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## 2019, UMaine News Press Releases

Division of Marketing and Communications

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## UMaine News Press Releases from Word Press XML export 2019

### **BDN quotes Lisnet in article about theatre company's new home in mall**

**23 Jan 2019**

The [Bangor Daily News](#) quoted Julie Lisnet, an instructor of theatre at the University of Maine and one of the founders of Ten Bucks Theatre Co., in an article about the theatre company's new home in the Bangor Mall. During its 19 years producing shows in the Bangor area, Ten Bucks has performed at Brewer Middle School, Next Generation Theatre in Brewer, Comins Hall in Eddington, and various outdoor venues in the summer. Across from U.S. Cellular and The Shoe Dept. on the side of the mall that formerly held Sears, the new space has been occupied by Ten Bucks since October 2018, though the search process for a new location began in summer 2017, the BDN reported. Ten Bucks found the perfect location in the former PacSun store, which happened to be just the right size with enough storage space to hold the entire costume and scene shop. The space can seat up to 100 people, with lots of versatility for different seating and stage arrangements, according to the BDN. "We'd love to do some theatre in the round, or try some other setups in here," Lisnet said. "I look around and I just see a ton of potential." The company will perform its first show in the new space, "The Complete Works of William Shakespeare (Abridged)," at 7 p.m. Jan. 25, 8 p.m. Jan. 26 and 2 p.m. Jan. 27. More information is [online](#).

### **Journal of Economic Entomology publishes blueberry maggot fly research**

**11 Dec 2019**

The [Journal of Economic Entomology](#) published the research article "Dispersal From Overwintering Sites, Action Thresholds for Blueberry Maggot Fly (Diptera: Tephritidae), and Factors That Can Influence Variation in Predicted Fruit Infestation Levels in Maine Wild Blueberry: Part I," authored by Francis Drummond and Judith Collins of the University of Maine School of Biology and Ecology. Drummond also is an Extension blueberry pollination specialist.

## UMaine News Press Releases from Word Press XML export 2019

### UMaine Extension strawberry school Jan. 17 in Augusta

02 Jan 2019

University of Maine Cooperative Extension will hold a strawberry school for commercial growers 10 a.m.–4:30 p.m. Jan. 17 at the Augusta Civic Center, during the 2019 Maine Agricultural Trades Show. Topics include basic site requirements, site preparation, plant selection, care of young plants, nutrient management, pest management and business management. The \$25 per person fee includes all materials; online registration is strongly advised before Jan. 11. Two recertification credits will be available for pesticide applicators. For more information or to request a reasonable accommodation, contact David Handley, 933.2100; [david.handley@maine.edu](mailto:david.handley@maine.edu). Information also is online.

### BDN publishes op-ed by journalism, political science student

02 Jan 2019

Elizabeth Theriault, a third-year journalism and political science student at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled, “Proposed campus sexual misconduct rules fail victims.” Theriault is the communications intern for the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members’ columns appear in the BDN every other week.

### Turner Publishing reports on first recipient of new Cohen Group internship

02 Jan 2019

[Turner Publishing](#) reported Adam Fortier-Brown has been selected as the first recipient of a new internship program for undergraduate students offered by the William S. Cohen Institute for Leadership & Public Service at the University of Maine. The internship will be with The Cohen Group in Washington, D.C. The Cohen Group was formed by former Secretary of Defense William S. Cohen to help enterprises large and small compete in the global marketplace. Fortier-Brown is a UMaine senior from Randolph, Maine, who is studying economics and political science and is a past UMaine Congressional Intern. [The Kennebec Journal and Morning Sentinel](#) also published a news release on the internship.

### Vekasi quoted in BDN editorial on foreign aid, immigration

02 Jan 2019

Kristin Vekasi, an assistant professor of political science and international affairs at the University of Maine, was quoted in the [Bangor Daily News](#) editorial, “Taking away foreign aid won’t stop immigration.” A key goal of foreign aid is to improve economic conditions in the countries that receive that aid, according to Vekasi. “It defies logic to think that [taking away foreign aid] would decrease the number of migrants” from these countries, Vekasi told the BDN.

### Eos quotes Nelson in report on winter weather whiplash

02 Jan 2019

Sarah Nelson, director of the Ecology and Environmental Sciences program and associate research professor in watershed biogeochemistry at the University of Maine, spoke with [Eos](#) for an article about winter weather whiplash, or unusual and unexpected changes in weather, like a false spring in the dead of winter. Whiplash events can affect ecosystems that are seasonally covered by snow — and the people living and working in these areas, according to the article. An interdisciplinary team of researchers, including UMaine’s Nelson and Mindy Crandall, assistant professor of forest landscape management and economics, is trying to define these events to understand the ways they affect natural and human ecosystems. They hope their work will inform preparations for future events, the article states. “Sometimes people have a built-in conception that climate change is all about warming, but variability is a huge part of climate change, and these events highlight that,” Nelson said. “Just because it snows in October doesn’t mean that warming isn’t happening; it’s just very up and down.”

### Isenhour discusses sustainability research, no-shopping concept in Press Herald article

02 Jan 2019

Cynthia Isenhour, a professor of anthropology and climate change at the University of Maine, spoke with the [Portland Press Herald](#) for an article about a Maine man who spent a year without shopping for anything other than basic necessities. Nearly a decade ago, Isenhour wrote her dissertation on Swedish consumers who tried to stop shopping. She was living in Sweden and vowed to buy nothing new except for toiletries and food and succeeded with just a few exceptions, according to the article. “Research suggests that if we are truly concerned about the environment and climate, reducing total consumption through the purchase of secondhand goods, or simply buying less can make a big impact,” said Isenhour, who also is a faculty associate in the Senator George J. Mitchell Center for Sustainability Solutions. But as she found with her study, global capitalism can make it hard for even informed, concerned people to swear off shopping, the Press Herald reported. “Folks who try this sort of thing rarely stick with it in the long term,” Isenhour said, “in part because it is socially non-normative.” As Isenhour wrote in a piece for Maine Policy Review, the reuse economy is an age-old concept in this state, and one whose power may be underestimated. “Maine is well-positioned to think more seriously about secondhand consumption as a means for environmental protection, waste reduction, community development and climate mitigation,” Isenhour said. “One of the key insights of anthropology is that programs are much more likely to work when they are consistent with already existing cultural norms and values.”

### AP quotes Breece in report on LePage’s time as governor

02 Jan 2019

James Breece, an associate professor of economics at the University of Maine, was quoted in the Associated Press article on Gov. Paul LePage. LePage leaves the state in better fiscal shape than he found it, but his wins were sometimes overshadowed by aggressive remarks, according to the article. The aging state’s economy has overall “greatly improved” since LePage took office and faced a state still reeling from the 2008 recession that shuttered paper mills, according to Breece. He said there’s no “clear way” to say how much of such growth is thanks to LePage’s policies alone. “I think governors can try to maneuver on the edges but basically we flow with the tide,” Breece said. [Fosters.com](#) and The News Tribune carried the AP report.

### Press Herald interviews Elias, Dill for Lyme disease article

02 Jan 2019

Susan Elias and Griffin Dill were sources for a [Portland Press Herald](#) piece about the 29 percent decrease in Lyme disease cases this year in Maine. The state recorded 1,310 Lyme cases through Dec. 27, 2018, down from 1,852 (an all-time high) in 2017, according to the Maine Center for Disease Control and Prevention. “The big challenge for tick survival may not be the winter, but may be the summer,” said Elias, a research associate at Maine Medical Center Research Institute and a University of Maine Ph.D. candidate whose dissertation is on Lyme disease and deer tick abundance in Maine, as related to climate, hosts, habitat and human behavior. “Ticks are like Goldilocks. It can’t be too hot or too cold or too dry. It has to be just right. But they are experts at finding the right microclimate for them, so if it’s too hot and dry, for instance, they will retreat under the leaf litter.” Dill, a University of Maine Cooperative Extension integrated pest management professional, said it’s difficult to tell whether 2017 was an aberration or if 2018 represents a one-year drop. Dill said there were 20 percent fewer tick identification submissions this year to the University of Maine Cooperative Extension Diagnostic and Research Laboratory. [Journal Tribune](#) carried the Press Herald report.

### Yerxa speaks with BDN about cooking classes to fight hunger

02 Jan 2019

Kathryn Yerxa, of the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for the article, “In Maine, cooking classes tackle the root causes of hunger.” Maine has developed a network of programs that provide nutrition education to low-

income Mainers who are at risk of food insecurity, according to the article. There are two primary federal programs funded through the U.S. Department of Agriculture that generally oversee nutrition education efforts in the state: the Expanded Food and Nutrition Education Program, or EFNEP, which is offered through UMaine Extension and focused on nutrition education for low-income families with children; and the Supplemental Nutrition Assistance Program Education, or SNAP-Ed, which provides nutrition education for low-income adults that qualify for federal assistance in general. “In Maine, we have a very small nutrition education landscape,” said Yexxa, state coordinator at EFNEP. “The reality is all of these programs are responding to a huge need in Maine.” The programs have been around for decades — EFNEP just celebrated its 50th anniversary, and SNAP-Ed started in the late 1980s — but their offerings adjust to meet the changing needs, the BDN reported. “There has been an increase in more convenience food, and an almost a loss of cooking skills because it is not taught or practiced in schools as it used to be,” Yexxa said. To address the need for basic cooking education, EFNEP and Maine SNAP-Ed partnered with the Good Shepherd Food Bank to offer classes through Cooking Matters starting in 2010. [Fiddlehead Focus](#) also published the BDN report.

#### **Developing agricultural leadership with UMaine Extension**

**03 Jan 2019**

Agriculture producers and service providers are invited to a free session noon–3 p.m. Jan. 17 at the Augusta Civic Center, Arnold Room, to discuss building agricultural leadership capacity in Maine during the 2019 Maine Agricultural Trades Show. The purpose of the initial meeting is to develop a framework that supports producers and service providers in advocating for the needs of the Maine agricultural industry. Future sessions will be based on the outcome of the first meeting. Online registration is requested. For more information or to request a reasonable accommodation, contact Kathy Hopkins, 474.9622; [khopkins@maine.edu](mailto:khopkins@maine.edu).

#### **Morning Ag Clips advances UMaine Extension session on agricultural leadership**

**03 Jan 2019**

[Morning Ag Clips](#) published a University of Maine Cooperative Extension news release announcing a half-day session for agriculture producers and service providers to discuss building agricultural leadership capacity in Maine. The meeting will be held noon–3 p.m. Jan. 17 at the Augusta Civic Center during the 2019 Maine Agricultural Trades Show. The purpose of the meeting is to develop a framework that supports producers and service providers in advocating for the needs of the Maine agricultural industry. Future sessions will be based on the outcome of the first meeting. The session is free; online registration is requested.

#### **Rubin featured in TR News**

**03 Jan 2019**

Jonathan Rubin, director of the Margaret Chase Smith Policy Center at the University of Maine, is profiled in the latest edition of [TR News](#), the bimonthly magazine of the Transportation Research Board (TRB), one of seven major programs of the National Academies of Sciences, Engineering, and Medicine. At TRB, Rubin chairs the Environment and Energy Section. He also has served as a member of project panels for the Airport Cooperative Research Program and National Cooperative Highway Research Program. In his research, Rubin focuses on the economics of cellulosic biofuels and the environmental impact of autonomous vehicles. His areas of interest include economics of transportation energy, climate change and alternative fuels.

#### **Media preview Maine Potato Conference**

**03 Jan 2019**

[Potato News Today](#) and [Fiddlehead Focus](#) reported the University of Maine Cooperative Extension will host the 34th annual Maine Potato Conference Jan. 23–24 at the Caribou Inn and Convention Center. The Central Aroostook Young Farmers Trade Show also will take place at the center, with informational booths. Events are planned from 8 a.m. to 4 p.m. each day. Experts will address such topics as powdery scab, fumigation practices, phosphorus study and conclusions, certification lab post-harvest testing, use of potatoes in beef feed, insect control studies and economic updates. Online registration is preferred by Jan. 19. More information is [online](#).

#### **BDN publishes article on Cooperative Extensions as homesteading resource, quotes Phelps**

**03 Jan 2019**

The [Bangor Daily News](#) mentioned the University of Maine Cooperative Extension in the article, “This homestead resource may sound too good to be true, but it’s just a call or click away.” Cooperative Extensions are part of each state’s land grant university, which were designated in the mid-1800s to focus on science, engineering and agriculture education, according to the article. The Cooperative Extension System was created in 1914 by the Smith-Lever Act to connect these institutions to the community to meet their needs, the article states. Cooperative Extensions can be a lifeline for new homesteaders, the BDN reported. “Because we do touch all the areas of the food system, we can help people get in touch with different agencies and resources that can help them,” said Lisa Phelps, interim director of UMaine Extension.

#### **UMaine accepting applications for after-school art program**

**04 Jan 2019**

The University of Maine Department of Art is accepting applications for the after-school ArtWorks! Program. The program for students in grades K–8 provides opportunities to explore art through hands-on experiences with a variety of visual media, as well as the history of art and viewing of artistic works. The five-week spring ArtWorks! sessions will be held on Fridays beginning Feb. 8 from 3:30–5 p.m. in Lord Hall on the UMaine campus. The program culminates with an exhibition of the children’s works on March 8. Classes are organized by grade level and taught by art education majors who are preparing to become art teachers. The program is supervised by Constance Albertson, an associate professor of art. A \$25 per-student fee covers the cost of materials; a limited number of scholarships are available. The application deadline is Jan. 31. To apply, contact Albertson, 581.3251; [constant@maine.edu](mailto:constant@maine.edu). More information also is available by calling the UMaine Department of Art, 581.3245.

#### **UMaine, Literacy Volunteers of Bangor offering conversation partner training, Penobscot Times reports**

**04 Jan 2019**

[The Penobscot Times](#) reported a free training for Conversation Partners provided by Literacy Volunteers of Bangor will be held at the University of Maine on Jan. 10. UMaine is host to more than 400 international students and scholars. Although English proficiency is required for study at UMaine, many students and scholars would benefit from additional practice with a trained Conversation Partner. The Conversation Partner program is a collaboration between Literacy Volunteers of Bangor and UMaine. The training will be held 10 a.m.–noon at UMaine’s Graduate School in Stodder Hall. After the training, each volunteer will be matched with an international student. They will meet for one to two hours a week to speak in English, The Penobscot Times reported.

#### **Student-athlete mentors children at Old Town-Orono YMCA, WABI reports**

**04 Jan 2019**

[WABI](#) (Channel 5) reported University of Maine football wide receiver Andre Miller helps out at the Old Town-Orono YMCA after-school program. Miller, who got involved at the YMCA about a year and a half ago, says working with the children is rewarding, and he plans to continue. “Working with the kids, it’s really a new thing every day,” he said. “You can’t really expect what is going to happen with them, so it’s kind of cool just to see how the kids grow up and move on to first grade, second grade, and they still know who you are.”

#### **Penobscot Times advances Dr. Martin Luther King Jr. Breakfast Celebration**

**04 Jan 2019**

[The Penobscot Times](#) reported the 2019 Dr. Martin Luther King Jr. Breakfast Celebration, co-sponsored by the Greater Bangor Area NAACP and the University of Maine Division of Student Life, will be held Jan. 21 at Wells Conference Center on campus. The family-friendly event will celebrate King’s life and legacy, inspiration, dedication to diversity and social commitment. The breakfast celebration will feature food and music, and recognition of the recipient of the Dorothy Clarke Wilson Peace Writing Prize. Amy

Sneirson, executive director of the Maine Human Rights Commission, will deliver the keynote address. Registration is [online](#).

#### Trostel quoted in Mainebiz article on hiring pressures, employee recruitment

04 Jan 2019

Philip Trostel, an economics and public policy professor at the University of Maine School of Economics and Margaret Chase Smith Policy Center, spoke with [Mainebiz](#) for the article, “Hiring pressures push companies to unprecedented lengths to find workers.” Maine’s unemployment rate in October was 3.4 percent, according to seasonally adjusted data from the Maine Department of Labor. October was the 35th consecutive month in which Maine recorded an unemployment rate below 4 percent, the longest such period since it began tracking the percentage, the article states. Trostel said he wonders how long Maine can sustain such a low jobless rate. “There is plenty of uncertainty and disagreement,” he said. “History over recent decades suggests that the current low unemployment rate is not sustainable. But the fact that there is still no strong evidence that wages are rising rapidly suggests the current rate is.” Maine’s part-time employees make up about a quarter of its workforce, which is higher than the U.S. ratio of 17.4 percent, according to federal government data for October. “Maine’s economy is seasonal, but the same is true elsewhere,” Trostel said. “Different states have different natural resources, different industries. But those differences aren’t so great as popular perception holds.”

#### Food science majors to engage in active learning to prepare for industry demands

04 Jan 2019

Balunkeswar (Balu) Nayak is leading a charge to strengthen food science majors’ understanding of science and engineering by replacing lecture-centered instruction with active-learning strategies. The University of Maine associate professor of food processing is directing a multi-university project to boost math knowledge and problem-solving skills of food science majors for careers in food processing, food engineering and food manufacturing. Nayak says critical objectives are to improve their knowledge about safety relating to food recalls; traceability issues due to globalization; new import and export regulations; and workforce preparedness. Food science students — the next-generation workforce in industry, regulatory and non-government agencies — “should understand the big picture of sustainability in food processing, preservation and distribution,” says Nayak. In the United States, more than 1.5 million people work at 26,000 food companies. The food and beverage industry faces complex demands — including consumers who want healthier foods, an increasing number of food safety regulations, and concern for socioeconomic and environmental impacts of food production and manufacturing. To meet these demands, food science majors need a solid STEM background and the ability to craft innovative ideas and solutions. To help make that happen, UMaine will utilize \$367,341 of a \$747,328 award from the U.S. Department of Agriculture—National Institute of Food and Agriculture Higher Education Challenge Program for a collaborative project that begins this summer and concludes in 2022. The team includes Susan McKay, founding director of the Maine Center for Research in STEM Education (RiSE Center) and professor of physics and astronomy at UMaine. It also involves professors at five other land grant universities. Nayak, McKay and the other co-directors will identify learners’ challenges, including those faced by first-generation college students, underrepresented populations and those in difficult financial situations. Students say common problems they face in food processing and food engineering courses include the rapid pace, heavy workload, lack of practice problems, and limited student-centered active engagement. Switching from traditional lecture-centered instruction to an active learning format is expected to address a number of these concerns, Nayak says. The team will develop a learning model that incorporates group discussions and teamwork among students — inside and outside the classroom — at six land grant universities. Students in different regions of the country will interact and share information about their local food systems and conditions, says Nayak. The model also will provide students with chances to intersect with the food industry to experience real-time emerging challenges, as well as to network globally and learn about career opportunities. A previous analysis of STEM disciplines found student performance improved by about 6 percent with active learning-based teaching. And, student failure rates in traditional lecture courses have been found to be 50 percent greater than those in courses that incorporate active learning. Other studies have found active-learning strategies improved all students’ achievement, especially traditionally underrepresented students. The root cause(s) of student underpreparedness also must be uncovered and addressed, says Nayak. For insight, project leaders will gather feedback from graduates and instructors of university food science programs, as well as employers of graduates. Nayak says UMaine will lead the active-learning instruction training for faculty at the participating universities, with the goal of improving student learning in food processing and engineering courses. The effectiveness of the project’s model will be assessed and knowledge gained will be used to improve courses at universities nationwide. In 2015, more than 40 institutions granted more than 2,000 food science degrees. Other project co-directors are Helen Joyner of the University of Idaho /Washington State University; Buddhi Lamsal of Iowa State University; Girish Ganjyal of Washington State University; Haibo Huang Balunkeswar (Balu) Nayak of Virginia Polytechnic Institute and State University; and Adedeji Akinbode of the University of Kentucky. Horizon Research Inc. — a private research firm located in North Carolina specializing in work related to STEM education — also is a partner. Kellogg Company and Nestle are industry supporters. Laura Millay, the RiSE Center research and evaluation coordinator and Erin Vinson, RiSE Center campus programs coordinator, also will be part of the project, titled “Enhancing Learning Outcomes in Food Engineering and Processing Courses for Non-Engineers Using Student-Centered Approaches.” Contact: Beth Staples, 207.581.3777

#### Maine corn growers stand out in national contest

07 Jan 2019

Maine corn grain growers saw their highest yields in the 2018 National Corn Growers Association [yield contest](#), according to University of Maine Cooperative Extension professor Rick Kersbergen, who supervises the contest with UMaine Extension associate professor Caragh Fitzgerald. “2018 proved to be an exceptional year for corn growers,” Kersbergen says. “With a long, warm season and a record-setting number of growing degree days, Maine growers did exceptionally well, with the highest yield that I have ever recorded in my history in Maine.” Ryan Crane and Crane Brothers Farm, Inc., in Exeter produced more than 278 bushels of corn per acre from a Livermore field to top the state yield in all categories. Other noteworthy yields were from Tyler Bartlett of New Gloucester and Jim Hilton of Norridgewock, conventional tillage and nonirrigated category; Alexander Hilton, Norridgewock, for no-till nonirrigated; Jon McCrum, Bethel, for no-till irrigated; and Jon McCrum and David Bell from Auburn, conventional tillage and irrigated division. The National Corn Growers Association organizes the annual contest and requires growers to follow strict guidelines with harvest and yield checks supervised by independent crop consultants such as Kersbergen and Fitzgerald. Winners in each category receive a seed company-sponsored trip to the National Corn Growers Commodity Classic conference, Feb. 28–March 2, in Orlando, Florida. Full results are available [online](#). More information on UMaine Extension agricultural resources also is available [online](#).

#### Scheele named interim chief of staff

07 Jan 2019



[caption id="attachment\_64895" align="alignright" width="223"] Kenda Scheele[caption] Kenda Scheele is serving as Interim Chief of Staff in the President’s Office, in addition to her duties as Assistant Vice President for Student Life and Senior Associate Dean of Students. Scheele has been a member of the UMaine community since 2001, and holds a Ph.D. and J.D. from the University of Nebraska. “We appreciate Kenda’s willingness to serve as Interim Chief of Staff during what is expected to be a particularly busy spring semester,” says President Joan Ferrini-Mundy. “Her experience as an attorney and as a leader in the Division of Student Life will be an asset to the President’s Office and Cabinet in the coming months.” Scheele can be reached in the President’s Office at 581.1512.

#### Mainebiz reports on startups selected for 2019 Top Gun program

07 Jan 2019

The Maine Center for Entrepreneurs announced 46 businesses have been selected for the Top Gun 2019 Class, [Mainebiz](#) reported. The announcement was made along with the center’s partners University of Maine, Lewiston Auburn Metropolitan Chamber of

Commerce, MaineStream Finance and Harold Alfond Institute for Business Innovation at Thomas College. The Top Gun program is entering its 10th year. Beginning in 2009, Top Gun has helped more than 200 Maine entrepreneurs launch and grow their companies, the article states. The program consists of hands-on training and group learning exercises taught by subject matter experts in finance, business law, marketing and other critical aspects of business development.

#### **AP quotes Kersbergen in report on corn harvest**

**07 Jan 2019**

The Associated Press quoted Richard Kersbergen, an extension professor of sustainable dairy and forage systems with University of Maine Cooperative Extension, in a report on the summer corn harvest. Maine corn grain growers saw the highest yields ever recorded in the 2018 National Corn Growers Association contest, according to Kersbergen, who said it was the highest yield he has ever seen in Maine. Ryan Crane and Crane Brothers Farm, Inc., in Exeter produced more than 278 bushels of corn per acre in a Livermore field to top the state yield in all categories, AP reported. [WABI](#) (Channel 5), [Sun Journal](#), [Morning Ag Clips](#) and The News Tribune of Tacoma, Washington carried the AP report.

#### **Nagy speaks with BDN about dangers of snow on roofs**

**07 Jan 2019**

Edwin Nagy, a lecturer in civil engineering at the University of Maine, was interviewed by the [Bangor Daily News](#) for the article, “Why the snow load on your roof should never be taken for granted.” Snow load is the downward force on a building’s roof caused by the weight of accumulated snow and ice, according to the article. “Modern buildings are designed with snow load in mind,” Nagy said. “How much snow load a building can take depends on engineering, how it was built and whether the roof is heated or unheated.” Regardless of design or structure, once that snow load is exceeded, the building is in danger of collapse, said Nagy, who explained ways to calculate the weight of snow load. “There are a lot of issues with snow on roofs,” he said. “It can create ice dams and cause leaks that then can create hidden structural damage in the upper parts of a building.” The most important factor in protecting a roof is to keep as much snow off of it as possible by shoveling or using a roof rake, said Nagy, who also recommends keeping a roof and supporting beams in good condition, and not waiting to make repairs. [Fiddlehead Focus](#) also published the BDN article.

#### **Yarborough quoted in AP report on blueberry industry turnaround**

**07 Jan 2019**

David Yarborough, a professor of horticulture and wild blueberry specialist with University of Maine Cooperative Extension, spoke with the Associated Press for a report on a possible turnaround for the recently suffering Maine wild blueberry industry. The Maine wild blueberry harvest in 2018 was about 57 million pounds, down almost 11 million pounds from 2017, and price per pound also has declined in recent years, Yarborough said. But he and other industry members believe two consecutive years of modest harvests will contribute to a turnaround in 2019, according to the report. “I think by the time we harvest next year, we’ll be seeing a drawdown of all that storage,” said Yarborough. “The question is always, what crop are we going to have next year?” Yarborough told AP the 2018 decline was a result of factors like weather and lower harvest effort after three straight years of huge crops reaching more than 100 million pounds, as well as competition with the wild blueberry market in Atlantic Canada. [The Washington Post](#), [Boston Globe](#), [Bangor Daily News](#), [Portland Press Herald](#), [Gloucester Daily Times](#), [Manufacturing.net](#), [Morning Ag Clips](#) and [The Maine Edge](#) carried the AP article, and [USA Today](#) included part of the report in a “50 States” roundup. [Finance Daily](#) also quoted Yarborough in a report on the wild blueberry industry, and cited a UMaine Extension [fact sheet](#) saying, “Researchers at the University of Maine will continue to investigate more efficient ways to produce, process and market wild blueberries. With all of these forces working together, a healthy future is in store for the wild blueberry industry.”

#### **BDN interviews Dill for article about keeping rodents out of vehicles**

**07 Jan 2019**

The [Bangor Daily News](#) interviewed Griffin Dill, an integrated pest management professional with University of Maine Cooperative Extension, for the article, “How to keep rodents from trashing your vehicle.” Vehicle owners who may not be using a certain vehicle for extended periods of time during the winter should take precautions to prevent rodents from nesting in the numerous small spaces within, where they can create problems. “They certainly tend to enter a car looking for shelter from snow and rain,” said Dill. “They like to nest in the winter, and cars and other vehicles offer ideal shelter for mice and small mammals because they have small spaces that provide shelter from the wind and protection from predators.” And if the car has recently been driven, rodents will be more attracted to its warmth. But they can chew through wires, clog air filters by building nests or storing food, and even chew through the hoses that distribute coolant and other liquids, the BDN reported. To prevent the mess and smell created by nesting rodents, Dill recommends parking vehicles “in a secure, mouse-proof garage” if possible, since parking them outside in the grass encourages visitors. “Once you place it in or near their natural habitat it becomes quite inviting,” he said. If rodents have already invaded, traps or toxic bait can be used to eradicate them, and vehicles — including boats, lawn mowers, snowmobiles and all-terrain vehicles — should be checked regularly, Dill told the BDN.

#### **Allan presents at higher education conference in Chile**

**07 Jan 2019**

Elizabeth Allan, professor of higher education, spoke at Summit Internacional de Educación held in Santiago, Chile, Jan. 7–11. Allan discussed building community and dialogue in universities at the conference, held at Pontificia Universidad Católica de Chile.

#### **International research team to study effects of ocean acidification on iron availability to phytoplankton in North Pacific**

**08 Jan 2019**

The effect of ocean acidification on iron availability to phytoplankton in the eastern North Pacific is the focus of a three-year, more than \$954,000 National Science Foundation collaborative research grant to the University of Maine, University of Washington and University of South Florida. UMaine School of Marine Sciences professor Mark Wells will lead the project, in collaboration with Charles Trick from Western University and Kristen Buck from the University of South Florida. Joining them will be Shigenobu Takeda of the University of Nagasaki, and graduate and undergraduate students from the four universities. The international collaboration also will feature educational outreach for the public, with Maine K–12 students and their teachers engaged in learning opportunities during and after the research cruise. Ocean acidification is caused by increasing atmospheric carbon dioxide from fossil fuel burning. Carbon dioxide dissolves from the atmosphere into the surface ocean and reacts with seawater to form acid, causing lower seawater pH. This acidification already can be measured, but it will be greatly magnified by the end of the century. One of the outcomes from ocean acidification will be changes in the availability of iron to marine phytoplankton, the grasses of the sea that support the marine food web and account for more than half the biomass of the oceans. Like humans, phytoplankton require iron to grow, but much of the iron dissolved in seawater is bound with organic molecules in ways that limit the ability of phytoplankton to access it. Much of the biological production in the global ocean is limited by this iron availability, and it is uncertain whether ocean acidification will lead to decreases in ocean productivity. The scientific teams will conduct a major research cruise in 2020, transecting the coastal waters off Washington state, the northern margin of the North Pacific subtropical gyre and the northeast subarctic Pacific. The researchers will collect samples of the surface waters, adjust the seawater pH to levels predicted for the end of the century, and measure how the phytoplankton respond at high and low light levels, a factor that changes the iron demand of phytoplankton. The goal is to develop proxies for quantifying iron availability under present and future ocean acidification conditions, and learn more about how ocean acidification-induced changes in iron chemistry affect phytoplankton production and the composition of the phytoplankton community — critical factors that will affect food webs and fisheries productivity, according to the researchers. Phytoplankton production also leads carbon transfer from the atmosphere into the deep ocean as cells grow, die and sink from the surface ocean, a process that has removed about one third of the human-released carbon dioxide from the atmosphere. But limited iron availability has restricted this removal in large regions of the oceans, including the subarctic Pacific. Changes in iron availability here will have important consequences to how rapidly carbon dioxide is removed from the atmosphere over the next several decades. “Understanding the effect of ocean acidification on the iron cycle is a critical unknown in global biogeochemical models, and their projections of climate change effects on the ocean system over the next century,” note the researchers. Contact: Margaret Nagle, 207.581.3745

#### **Applications sought for McGillicuddy Humanities Center fellowship**

**08 Jan 2019**

Applications are being accepted for the Clement and Linda McGillicuddy Humanities Center Undergraduate Fellows program at the University of Maine. The program offers junior and senior humanities students the support needed to concentrate on coursework, develop research and creative projects, work collaboratively with others, participate in interdisciplinary humanities programs, and gain professional skills. Fellows attend, help plan, and promote the center’s various programs, acting as student representatives of the center’s mission. Fellowships last two consecutive semesters. Beginning in January 2019, fellows will receive \$4,000 each per semester. In addition to attending McGillicuddy Humanities Center events and programs, fellows will participate in a biweekly meeting with a fellows coordinator to discuss their coursework and research, as well as the center’s programs. Fellows must give one live presentation to a campus audience on their research. Fellows are selectively permitted use of the center’s space in South Stevens Hall for study or other research-related purposes. Applications will be accepted until Jan. 18. Two fellows will be chosen to begin in spring 2019. Applications will be invited again in October and March. More about the program, including application information, is [online](#).

#### **Morning Ag Clips advances UMaine Extension maple syrup workshop**



**08 Jan 2019**

[Morning Ag Clips](#) advanced a free workshop on the process of making maple syrup from 9–11 a.m. Jan. 12 at the University of Maine Regional Learning Center in Falmouth. University of Maine Cooperative Extension and the Southern Maine Maple Sugarmakers Association will partner to teach participants about identifying and tapping trees, collecting and boiling sap, and filtering, grading and canning syrup, according to the report. If interested in attending, email [extension.rlreception@maine.edu](mailto:extension.rlreception@maine.edu).

#### **Maine Public reports on UMaine Center on Aging Senior Companion Program**

**08 Jan 2019**

[Maine Public](#) published a report about the UMaine Center on Aging Senior Companion Program, which matches volunteers with older individuals who are isolated and living in rural areas. Loneliness is considered by some health experts to be a serious public health issue, Maine Public reported. This program works to address the issue through volunteers who pay weekly visits to homebound or isolated seniors, who often lack the financial or physical means to leave their homes to connect with others, and may also be without friends or family in the area to keep them company. The program serves about 600 people across the state, with a waitlist of more than 300, and is always looking for more volunteers, according to the report. [NPR](#) carried the report.

#### **Explore weather-based crop management tools Jan. 17 in Augusta**

**09 Jan 2019**

Weather-based crop management tools are a strategy farmers can use to increase resilience to extreme weather. Farmers and service providers are invited to five sessions about using weather-based tools 9 a.m.–3 p.m. Jan. 17 at the Augusta Civic Center, Howard Room. The free sessions, to be held during the Maine Agricultural Trades Show, are sponsored by the Maine Climate and Agriculture Network, which is organized through UMaine. Sessions will focus on challenges and opportunities that changing weather in Maine present for agriculture, and a variety of tools to help adapt to weather risks. Individual session topics include Ag-Radar, a tool to inform pest management; efficient irrigation; and a rainfall index insurance program for grassland. Farmers also are invited to share their favorite weather tools during a show-and-tell session. Pesticide and certified crop adviser credits are available for select sessions. For more information or to request a reasonable accommodation, contact Erin Roche, 949.2490; [erin.roche@maine.edu](mailto:erin.roche@maine.edu).

#### **UMaine trail system mentioned in BDN article on skijoring**

**09 Jan 2019**

A [Bangor Daily News](#) article about skijoring, a Scandinavian sport that blends cross-country skiing with dog sledding, mentioned the University of Maine DeMeritt Forest recreational trail system. Dogs are allowed to ski on a leash or connected to their humans on UMaine's ski trails, according to the BDN.

#### **Morning Ag Clips previews Flowering in the North conference**

**09 Jan 2019**

[Morning Ag Clips](#) previewed Flowering in the North, a conference for flower growers, Jan. 28–30 at the University of Southern Maine Abromson Center in Portland. The conference is sponsored by the Maine Organic Farmers and Gardeners Association (MOFGA), University of Maine Cooperative Extension, Broadturn Farm and the Snell Family Farm. The event will focus on sharing knowledge about Zone 5 growing, wholesaling, retailing and designing with farm-fresh flowers, the report states. Registration is online.

#### **BDN features Newman Center in article on Catholic churches' efforts to draw UMaine students**

**09 Jan 2019**

The [Bangor Daily News](#) featured the Our Lady of Wisdom Newman Center, a campus ministry center at the University of Maine, in an article about efforts by local Catholic churches to attract more UMaine students. The Parish of the Resurrection of the Lord, which includes Catholic churches in Old Town, Bradley and Indian Island in addition to the Newman Center, has launched a \$3.5 million campaign to remodel and repair buildings. Renovations to the Newman Center would account for \$2.2 million of the campaign, with an end goal of addressing the building's lack of energy-efficient design and attracting more Catholic UMaine students to worship there, the BDN reported. The Newman Center was built in 1972 as a modern replacement for a log cabin where masses had been held previously, and has been the only Catholic church in Orono since the closure of St. Mary of the Assumption Catholic Church in 2009, according to the BDN. [WABI](#) (Channel 5) also reported on the center's campaign for the needed repairs.

#### **Moran speaks with AP for article on espalier pruning**

**09 Jan 2019**

Renee Moran, an associate professor of pomology and tree fruit specialist with University of Maine Cooperative Extension, spoke with the Associated Press for an article about espalier pruning. Espalier pruning is the practice of training and trimming fruit trees, vines or flowering shrubs to grow into artistic, two-dimensional forms, the article states. It can make the plants easier to mow and harvest, maximize sunlight and help trees fit into tight spaces. Fruit trees are one of the most common types used for espalier pruning, and are often used to boost yields in commercial orchards, AP reported. "Growing fruit trees as a fruiting wall is becoming common with commercial orchards because it takes less labor to prune and harvest," said Moran. "However, they do not have the look that a home-trained tree would have since commercial growers do not spend any time fussing with the tree's appearance. To a hobby grower, the formal shape of an espalier tree may be the primary reason for choosing the training system." [The Washington Post](#), [Sioux City Journal](#), [The Daily Courier](#), [Altoona Mirror](#), [The Lewiston Tribune](#) and [Southeast Missourian](#) carried the AP article.

#### **Call for proposals to support cultural events**

**10 Jan 2019**

The Cultural Affairs/Distinguished Lecture Series Committee is accepting grant applications from the University of Maine community. Grants support up to 50 percent of expenses associated with cultural events that enhance the artistic, cultural and intellectual life of UMaine. The CA/DLS committee accepts applications four times a year. The next application deadline is Jan. 28 for projects starting on or after Feb. 25. Proposals must be submitted online using the [CA/DLS Grant Application Form](#). Past awards have supported lectures, Culturefest, the International Dance Festival, exhibits, performances and guest artists. Grant application guidelines and more information about the Cultural Affairs and Distinguished Lecture Series are [online](#).

#### **Republican Journal reports UMaine hockey to provide free tickets to veterans Jan. 11**

**10 Jan 2019**

[The Republican Journal](#) reported the University of Maine men's hockey team will partner with Dead River Company to offer free tickets to military personnel, veterans and their families for the team's military appreciation game against Northeastern University at 7:30 p.m. Jan. 11. For more information or to reserve tickets, call 581.BEAR or visit the UMaine Athletics [website](#).

#### **BDN article notes Bangor's most expensive house has ties to UMaine men's hockey**

**10 Jan 2019**

A [Bangor Daily News](#) article about Bangor's most expensive house noted that it was the original home of the University of Maine men's hockey team. The house at 900 State St., also known as the Dr. William C. Peters House, was most recently home to Green Gem Holistic Healing Oasis, according to the article. Designed in arts and crafts style by architect Fred L. Savage, the building was a private residence for more than 100 years. A hockey rink was built in the backyard in the 1950s by the residents at the time, and it was used by hockey players from UMaine before the university had an official team, as well as players from Bangor's amateur team, the BDN reported. The rink was later demolished. The house's garden and landscaped grounds were designed by the Olmsted Brothers, sons of landscape architect Frederick Law Olmsted, who designed part of the UMaine campus, the article states.

## UMaine, UMM participating in Common Campus Tree Experiment

11 Jan 2019

The University of Maine and University of Maine at Machias are two of eight education campuses in Maine participating in the three-year Common Campus Tree Experiment to evaluate the growth of eastern North American coniferous and deciduous species in a changing climate. The three-year research project, led by forest ecologist Nicholas Fischelli of Schoodic Institute at Acadia National Park, will evaluate growth, survival and phenology of the tree species. Last spring, seedlings of 12 species were planted in “common gardens” at UMaine, UMM, University of Maine at Farmington, University of Maine at Fort Kent, University of New England, Colby College, Unity College and Schoodic Institute. At each site, nearly 300 seedlings represent species already growing in Maine and species from farther south that are projected to have suitable habitat in Maine in the future. Studying the seedling responses to a range of climate conditions statewide will contribute to our understanding of which will thrive and which may decline in warmer growing conditions in the future, potentially changing the composition of the Maine forest, according to the researchers. At UMaine, the project is a Forest Climate Change Initiative of the Center for Research on Sustainable Forests, led by YongJiang Zhang, assistant professor of plant physiology from the School of Biology and Ecology. Eric Jones, associate professor of plant biology, heads the UMM project.

## Turner Publishing announces UMaine Extension Master Gardener Volunteer program accepting applications

11 Jan 2019

[Turner Publishing](#) announced University of Maine Cooperative Extension is accepting applications for its Master Gardener Volunteers program in Androscoggin and Sagadahoc counties. The program will be held 4:45–8 p.m. Tuesdays April 2 through May 28, and will resume Aug. 24 to Oct. 15. Sessions will be held at the UMaine Extension office in Lisbon Falls. Participants will receive at least 40 hours of training in the art and science of horticulture, and will volunteer their time and expertise for related activities in their communities, such as gleanings at local farms during the harvest season, the article states. For more information or to request a reasonable accommodation, contact Lynne Holland, [lynne.holland@maine.edu](mailto:lynne.holland@maine.edu); 353.5550. More information and a full schedule also are [online](#).

## Scheick’s research reveals icebergs can help predict sea level rise, Eos reports

11 Jan 2019

[Eos](#) reported on research led by Jessica Scheick, conducted while a research assistant and Ph.D. student in the University of Maine School of Earth and Climate Sciences, about icebergs and their potential to help predict sea level rise. The future of sea level rise is affected in part by the contours of the seafloor. If hill-like sills are present, they can block warm water from reaching glaciers and triggering melting, the article states. Using high-resolution satellite imagery of stranded icebergs, which are usually grounded on the seafloor, Scheick and others made calculations to estimate water depth and seafloor topography around the icebergs. The team confirmed their estimates were largely consistent with sonar-derived measurements of water depth, according to Eos. “[Icebergs] did a really great job finding the actual water depth,” said Scheick. Their research was focused on icebergs that had broken off glaciers on the Greenland ice sheet, which Scheick said are the gatekeepers holding ice back from flowing into the sea, and if they rapidly melted it would be like “removing a dam.” Scheick said the next step in the research is to use the method in places like northern Greenland where there are no existing bathymetry maps.

## Penobscot Times publishes release on Maine Harvest for Hunger 2018

11 Jan 2019

[The Penobscot Times](#) published a University of Maine news release about UMaine Cooperative Extension’s 2018 Harvest for Hunger accomplishments. In 2018, volunteers in the program donated 231,752 pounds of produce directly to neighbors in need and to 187 sites including food pantries, soup kitchens and low-income senior centers, the article states. More than 500 people collectively volunteered 2,664 hours to grow, glean or transport donated food to distribution sites, and Maine Harvest for Hunger also has focused on educational programs in the past year, according to the article.

## WVII quotes Laatsch in report on Emera Astronomy Center’s free lunar eclipse viewing

11 Jan 2019

[WVII](#) (Channel 7) reported the Emera Astronomy Center at the University of Maine will host a free lunar eclipse viewing Jan. 20 and 21, and quoted Shawn Laatsch, director of the center, in the report. The eclipse will begin at 9:36 p.m. Jan. 20 and last until 2:48 a.m. the following day. The complete totality eclipse, when the moon is fully in shadow, will last from 11:41 p.m. to 12:43 a.m., the report states. “Basically during lunar eclipses, the moon turns reddish brown or a deep coppery color,” Laatsch said. “The moon is passing through the Earth’s shadow but some light is reaching the surface and the moon is basically refracting or bending light through the Earth atmosphere onto the surface of the moon and that gives it that reddish brown or coppery color.” This blood moon also is a super wolf moon, meaning the moon is closest to Earth and it is the first full moon of the year. The next lunar eclipse will not occur until 2022, according to WVII.

## Students volunteering in two states, DC with Alternative Breaks

11 Jan 2019

University of Maine students with Alternative Breaks, a student-led organization that promotes community involvement, are spending the winter and spring breaks volunteering throughout the United States. Since 1998, UMaine’s Black Bear Chapter of Alternative Breaks has organized trips for students to provide volunteer service to others. This year, the nonprofit is deploying five groups of 12 students. The students, along with faculty and graduate student advisers, will spend their winter and spring break vacations on volunteer service trips that focus on various social issues, such as affordable housing, disaster relief and food security. Throughout the academic year, students participate in service learning, fundraising and team-building activities and are engaged with the planning of their upcoming service trips. Each of the volunteer service trips is led by a team of undergraduate site co-leaders, many of whom have prior experience participating in Alternative Breaks trips. The groups will leave Jan. 12 and March 16 to travel to their respective project locations. Volunteer locations and service projects include:

- [Lynchburg Grows](#) in Lynchburg, Virginia, to help with nutrition and food systems programming that offers disadvantaged persons access to garden spaces and helps them enjoy the healthy benefits of gardening;
- [REACH](#) in Roanoke, Virginia, to help restore abandoned homes and serve meals to the local homeless population;
- [Renovation Alliance](#) in Roanoke, Virginia, to provide free home repairs, upgrades and maintenance to the residents of a low-income community;
- [Seeds of Service](#) in Brick, New Jersey, to work toward improving the town of Brick and its surrounding areas through rebuilding homes, farming, cleaning up the streets or coordinating community activities; and
- [Thrive DC and DC Central Kitchen](#) in Washington, D.C., to combat homelessness by providing people with services to help stabilize their lives, and to prepare and serve meals as part of the goal to use food as a tool to strengthen bodies, empower minds and build communities.

This year, Alternative Breaks has launched a crowdfunding campaign to help support their work. More information about Alternative Breaks, the 2019 service trips and their crowdfunding campaign is [online](#).

## Learn about traumatic brain injury healing, recovery at Feb. 1 workshop

14 Jan 2019

The Wilson Center at the University of Maine is offering a free lunch and learn lecture and experiential learning workshop focused on the traumatic brain injury (TBI) recovery and healing process from 11:30 a.m.–1:30 p.m. Feb. 1. Daryne Rockett, a clinical social worker and certified brain injury specialist at the Bangor Veterans Center, will provide her personal perspective on TBI and her recovery journey through her lecture, “‘A Circle of Hands’: The Impact of Gratitude and Art in the Healing Process from Traumatic Brain Injury.” After the lecture, Rockett will lead an experiential exercise with art-making and gratitude practices. Sarah Gaffney, a representative from the Maine Chapter of the Brain Injury Association of America, will be in attendance to provide information about resources available for TBI survivors and family members. Rockett also has an art exhibit at the Wilson Center featuring paintings and drawings she created as an expression of gratitude for the many people involved in her five-year recovery process. The exhibit will be on display until March. Participants are asked to bring their own lunch; beverages, dessert and a certificate of attendance will be provided. To RSVP, email [elaine.oleary@maine.edu](mailto:elaine.oleary@maine.edu) or call 581.2399 by Jan. 28. Snow date is Feb. 8.

## Republican Journal, Kennebec Journal and Morning Sentinel preview talk by Groden

14 Jan 2019



[The Republican Journal](#) and [Kennebec Journal and Morning Sentinel](#) previewed a talk by Eleanor Groden, a professor of entomology at the University of Maine. Groden will discuss the health hazards of browntail moths and recommended management strategies for dealing with them at 6:30 p.m. Jan. 24 at the Palermo Community Library. The event is free and open to the public. The library has an extendable tree pruner that it will allow patrons to borrow for removing browntail moth winter webs from their trees, the articles state.

#### **Sun Journal quotes Fried in article on ranked-choice voting**

**14 Jan 2019**

The [Sun Journal](#) quoted Amy Fried, a professor of political science at the University of Maine, in an article about possible efforts to overturn ranked-choice voting. Some leaders in the Maine Republican Party, including former Gov. Paul LePage, are looking for ways to repeal ranked-choice voting, according to the article. Fried said an effort to overturn ranked-choice voting would be costly and “seems quixotic,” since Maine voters already have shown their support for the system on two separate occasions. The [Portland Press Herald](#) carried the Sun Journal article.

#### **Media cite Lobster Institute statistics in report on calico lobster**

**14 Jan 2019**

The Associated Press, [The Baltimore Sun](#), [CNN](#), [Bethesda Magazine](#) and [Chesapeake Bay Magazine](#) cited a statistic from the University of Maine Lobster Institute in a report on a calico lobster found in a shipment last month from Maine to Ocean City Seafood in Silver Spring, Maryland. The lobster is being held in a special tank and might be relocated to an aquarium, the articles state. Calico lobsters occur about once in every 30 million, and are more rare than blue and live red lobsters, according to the Lobster Institute. But they are not as rare as split-colored lobsters, or albino lobsters, which are found once in 100 million, The Baltimore Sun and CNN reported, citing the Lobster Institute. The [Bangor Daily News](#), WABI (Channel 5), Seymour Tribune, [WTOP](#) in Washington, [Herald-Mail Media](#), [WHDH](#) (Channel 7 in Boston) and [WJZ-TV](#) (Channel 13 in Baltimore) carried the AP article. [WJW](#) (Channel 8 in Cleveland) carried the CNN article.

#### **UMaine, Naval ROTC announce new Pathways to Engineering program**

**14 Jan 2019**

The University of Maine and the Naval Reserve Officers Training Corps (NROTC) are collaborating to provide opportunities for students who might otherwise not be academically competitive for NROTC scholarships, including those from underserved populations, to pursue degrees in science, technology, engineering and mathematics (STEM) disciplines. Naval ROTC seeks high-quality STEM students, while recognizing that diversity and equality strengthen the U.S. Navy. Building on the excellent reputation of UMaine’s engineering programs, and the university’s commitment to diversity and inclusivity, students will be recruited to a program called [NJROTC Pathways to Engineering](#). This is one of several similar programs at universities nationwide in cooperation with their NROTC programs. In the pilot year beginning fall 2019, 10 students who graduated from high schools with Naval Junior ROTC programs will be selected by UMaine to start in its pre-engineering program. In their first year, the students will receive full scholarships, including room and board, provided by UMaine. On successful completion of their first year, and meeting all other requirements, they will receive NROTC scholarships for years two through five, culminating in commissions in the Navy. The program is expected to accept 10 students a year. UMaine Naval ROTC is an affiliated unit under the host NROTC unit at Maine Maritime Academy. In addition, beginning fall 2018, all four-year NROTC National Scholarship recipients at UMaine received full room and board provided by the university to augment the tuition and fees paid by the Navy.

#### **Pathogen research could aid prediction, response to anthrax and other epidemic diseases**

**14 Jan 2019**

Better prediction of the emergence, spread and evolution of the environmentally transmitted pathogen that causes anthrax is the focus of a National Science Foundation award to the University at Albany, State University of New York and the University of Maine. Wendy Turner, University at Albany assistant professor of biological sciences, is leading the research team on the four-year, nearly \$2.5 million project. Co-principal investigator is Pauline Kamath, UMaine assistant professor of animal health. They will be joined by scientists from the University of Pretoria, University of Namibia, University of Oslo and University of Hohenheim. Anthrax is a serious infectious disease caused by the bacteria *Bacillus anthracis*, according to the Centers for Disease Control and Prevention (CDC). The bacteria is an environmentally persistent pathogen that naturally occurs in soil, and can infect wild and domestic herbivore animals that inhale or ingest spores in soil, plants or water. The variation in anthrax outbreaks worldwide hinders successful prediction and response, according to the researchers. There is a lack of understanding of the factors driving geographic differences in the ecology of the pathogen, as well as the pattern of disease outbreaks. The scientists will conduct research in two national parks in southern Africa that differ in the timing and severity of anthrax outbreaks. They will investigate the roles of host, pathogen and environment to understand how the pathogen-host interaction evolves and contributes to the differences in anthrax occurrences in the two study areas. In Etosha National Park, Namibia, there are smaller outbreaks annually during wet seasons that primarily affect zebra. In Kruger National Park, South Africa, larger outbreaks tend to affect browsing kudu in dry seasons about every 10 years. The project will focus on host and environment processes to understand how tradeoffs in pathogen survival and transmission affect pathogen diversity, host resistance and disease incidence, and ultimately, how these processes may drive host-pathogen coevolution. The research, using genomics, and statistical and dynamic modeling, has implications for public health, agriculture and biosecurity. It also could add to the understanding of other epidemic and emerging diseases that similarly have a variety of transmission modes, high environmental survival and wide host range. Researchers will build models predicting anthrax transmission dynamics across ecosystems. The research will facilitate development of predictive tools to better manage public health and related policies for complex, multihost zoonotic diseases, such as anthrax. Humans can contract anthrax if they come in contact with infected animals or contaminated animal products, according to the CDC. In addition, people can develop the disease if the spores are inhaled, or enter the bloodstream through a wound, or by ingestion or injection. The CDC notes that an anthrax vaccine for animals developed in 1937 reduced the incidence of the disease in humans. More than a decade later, a human vaccine for the disease was developed. Throughout the 20th century, anthrax has been weaponized, including during wartime and, most recently, as a form of bioterrorism. A University at Albany news release about the research award is [online](#), and a [podcast](#) is available. Contact: Margaret Nagle, 207.581.3745

#### **UMaine MBA program named a 2019 Best Online Program by U.S. News & World Report**

**15 Jan 2019**

The University of Maine’s Online MBA has been named one of the top 100 [Best Online Programs](#) by U.S. News & World Report. [UMaine’s 2019 ranking](#) is 41 places higher than last year. “We are excited that our Online MBA has broken into the top 100 best programs. This is an incredible affirmation of the high-quality MBA that we deliver,” says J. Michael Weber, dean of UMaine’s Graduate School of Business. “We attribute this significant increase in our ranking to the efforts of our faculty, who excel at delivering industry-relevant content and experiential learning opportunities for our students,” says Weber, “and to our alumni, who have been more than willing to provide employment and outcome data regarding their success after graduation. The improved ranking was also influenced by significant increases in average GMAT scores, undergraduate GPAs and years of work experience for recent applicants.” The 30-credit program is offered 100 percent digitally through UMaineOnline, the University of Maine’s digital learning program. UMaineOnline collaborates with academic departments and UMaine Graduate School to provide online graduate professional education that addresses the need for innovative, relevant and high-quality programming of global impact and local relevance, preparing students for rewarding 21st-century careers. More information about UMaine’s Online MBA program is available [online](#) or by contacting UMaineOnline, 207.581.5858; [umaineonline@maine.edu](mailto:umaineonline@maine.edu).

#### **Summer University 2019 Kickoff to be held Jan. 31**

**15 Jan 2019**

The University of Maine campus community is invited to attend the Summer University 2019 Kickoff Jan. 31 in Wells Conference Center. The event, which will be held 8–9:30 a.m., will offer an opportunity to share information and learn how to best support students in the summer. Topics will include policies, procedures and student financial aid. Advisers and administrative staff are encouraged to attend. Giveaways and light refreshments will be provided. RSVPs are encouraged. Email [summeruniversity@maine.edu](mailto:summeruniversity@maine.edu) for the chance to win a door prize. Summer University 2019 registration begins Feb. 1. More information is [online](#).

#### **Media advance UMaine Extension beginner beekeeping school**

**15 Jan 2019**

The [Biddeford Journal Tribune](#), [Turner Publishing](#) and [Morning Ag Clips](#) advanced a five-week beginner bee school offered by University of Maine Cooperative Extension and the Maine State Beekeepers Association (MSBA). Sessions will be held 6–8:30 p.m. Thursdays from Feb. 7 through March 7 at the Springvale Public Library. Larry Peiffer, master beekeeper and former vice president of MSBA, will discuss topics including honeybee colonies, hive construction, pests and diseases, and honey production, the articles

state. Cost is \$95 per person or \$140 for two people who share materials, and includes a one-year membership to the York County Beekeepers Association. Register online by Jan. 30. For more information, call 800.287.1535 or 324.2814, visit the [website](#) or email [elizabeth.clock@maine.edu](mailto:elizabeth.clock@maine.edu).

#### **The Architect's Newspaper quotes Edgar in article on expansion of US mass timber industry**

**15 Jan 2019**

[The Architect's Newspaper](#) quoted Russell Edgar, senior lab operations and wood composites manager for the Advanced Structures and Composites Center at the University of Maine, in the article, "The U.S. mass timber industry is maturing while it branches out." The U.S. mass timber industry is expanding based on demand for wood buildings across the country. But European companies are beginning to move to the United States, driving a need for the U.S. market to become more competitive, including increasing cultural acceptance of mass timber and enlisting the support of investors, according to the article. In Maine, both the state and federal governments have funded research at UMaine to advance timber assemblies, the article states. Edgar said the ultimate goal of the work is to organize the state's supply chain to make Maine viable for mass timber companies looking to relocate. "People are talking a lot about South Carolina and Georgia since they grow trees like corn at such rapid rates. But in Maine, we have proximity to these huge markets in New York and Boston, so we're busy trying to find ways to get these companies here now," said Edgar.

#### **New York Times cites Agrawal's research in report on real estate funds**

**15 Jan 2019**

The [New York Times](#) cited research by Pankaj Agrawal, an associate professor of finance at the University of Maine, in the article, "Real Estate Funds Have Been a Balm in a Stinging Market." Real estate funds have recently edged ahead of the overall stock market by betting on old-fashioned assets like office buildings and warehouses, the article states. According to a 2013 research paper by Agrawal, adding real estate to a portfolio of stocks, bonds and gold both increased the return and damped the volatility. The New York Times reported Agrawal split the hypothetical portfolio equally between six asset classes: United States stocks, European stocks, emerging market stocks, United States bonds, gold and United States real estate.

#### **Fuller quoted in Press Herald article on local garlic**

**15 Jan 2019**

The [Portland Press Herald](#) quoted David Fuller, an agriculture and nontimber forest products professional with University of Maine Cooperative Extension, in an article about local garlic. Fuller said local garlic production is on the rise, even if evidence so far is only anecdotal. He led The Maine Garlic Project from 2010 to 2013 to encourage more in-state production of garlic, which is not native to Maine. Fuller told the Press Herald that about 100 farmers grew more than 70 varieties of garlic by 2014, the most recent year for which he has data. But he said that noticing more local garlic at markets in Maine is unofficial evidence of a growing supply. "It's safe to say there are many more folks growing garlic [in Maine] now," said Fuller. He has seen more interest in the classes he teaches on garlic as well, and UMaine Extension has established a seed garlic directory, the Press Herald reported.

#### **CJR quotes Socolow in article on hostility toward press**

**15 Jan 2019**

[Columbia Journalism Review](#) quoted Michael Socolow, an associate professor of communication and journalism at the University of Maine, in the article, "Condoned by Trump, press attacks hit local reporters hard." There appears to be a growing trend of hostility toward journalists, not just at the national level but increasingly at the local level as well, according to the article. While such incidents appear to be more common in the past year, they occurred before Donald Trump was elected president as well, the article states.

#### **College of Education and Human Development again makes U.S. News & World Report list of top online grad programs**

**15 Jan 2019**

U.S. News & World Report has again recognized the University of Maine College of Education and Human Development as having one of the [best online graduate programs](#) for education in the country. UMaine offers [graduate education degrees](#) at the certificate, master's, education specialist and doctoral level, with many online options. The graduate program in Curriculum, Assessment and Instruction recently was redesigned so students can complete a master's or educational specialist degree either entirely online or through a mix of online and on-campus classes. Other programs, such as the master's in special education, are entirely online. The U.S. News rankings are based on scores in five categories: Student engagement, student services and technology, admissions selectivity, faculty credentials and training, and peer reputation. For 2019, the College of Education and Human Development earned a score of 73, making it one of the top schools in New England and the highest-scoring school from Maine to make this year's list.

#### **Screening and discussion of new film on childfree choice Feb. 1**

**16 Jan 2019**

The University of Maine Department of Sociology will host a screening and discussion of a new documentary, "To Kid or Not to Kid: The Movie," at 3 p.m. Feb. 1 in Wells Conference Center. The event is free and open to the public. "To Kid or Not to Kid," from the award-winning director of the New York Times Critics' Pick "Musicwood," aims to dispel the myth that living childfree is weird, selfish or somehow wrong. In a world where women are threatened for speaking openly about living childfree, two women from different generations search for ways to support each other in making the decision to live without kids. The screening will be followed by a question-and-answer session and panel discussion with Maxine Trump, the filmmaker and director; Amy Blackstone, a UMaine professor of sociology and author of the forthcoming book "Childfree by Choice;" Andrea Irwin, executive director of the Mabel Wadsworth Center; and Jessica Wade, host of the popular Facebook page "The Childfree Choice." A reception with refreshments and a cash bar will follow. More information is [online](#).

#### **Morning Ag Clips previews UMaine Extension course on pruning woody landscape plants**

**16 Jan 2019**

[Morning Ag Clips](#) previewed a University of Maine Extension course on pruning woody landscape plants. The four-part course will be held 10:30 a.m.–2 p.m. March 21 and 28, and April 4 and 11 at the Penobscot County Extension Office in Bangor. Each session will include classroom instruction and hands-on practice. Participants will gain experience pruning ornamental trees and shrubs, fruit trees and small fruit plants, Morning Ag Clips reported. The program cost is \$55; a textbook will be provided. Space is limited, and registration is required [online](#).

#### **Medical XPress carries UMaine release on Kamath's pathogen research**

**16 Jan 2019**

[Medical XPress](#) carried a University of Maine news release about a National Science Foundation award to fund research co-led by Pauline Kamath, an assistant professor of animal health at UMaine. Kamath will work with Wendy Turner, an assistant professor of biological sciences at University at Albany, State University of New York, and others from the University of Pretoria, University of Namibia, University of Oslo and University of Hohenheim. The nearly \$2.5 million, four-year project will investigate ways to better predict the emergence, spread and evolution of the environmentally transmitted pathogen that causes anthrax. The research has implications for public health, agriculture and biosecurity, according to the release.

#### **Turner Publishing, Morning Ag Clips advance UMaine Extension bee workshop**

**16 Jan 2019**

[Turner Publishing](#) and [Morning Ag Clips](#) advanced a University of Maine Cooperative Extension workshop on native bees from 1–2 p.m. Feb. 13 at the UMaine Extension Oxford County Office in South Paris. Kalyn Bickerman-Martens, a Ph.D. candidate in ecology and environmental sciences at UMaine, will discuss Maine's native bees; bumblebee species and threats; and the Maine Bumble Bee Atlas, a citizen science project, the articles state. Registration is required online by Feb. 11 for the free workshop. For more information or to request a reasonable accommodation, call 743.6329 or email [extension.oxford@maine.edu](mailto:extension.oxford@maine.edu).

## **BDN mentions UMaine arts in roundup of winter events in Bangor**

**16 Jan 2019**

The [Bangor Daily News](#) mentioned the University of Maine Museum of Art and a University of Maine School of Performing Arts production in the article, “6 ways to survive this cold winter in Greater Bangor.” Two of the article’s recommendations for winter activities beyond watching TV while cooped up in your house are to visit an art museum or to see a local theatre show. Specifically, the BDN noted UMMA is free and open to the public from 10 a.m.—5 p.m. Tuesdays through Saturdays, and has three new shows opening Jan. 17. “Edging Forward” is an exhibit of works by Brunswick-based abstract artist Richard Keen, “Reversible Roles” is an exhibit of paintings by Rockland-based artist Meghan Brady, and “Big Rock Candy Mountain” is an exhibit of drawings and paintings by Zach Horn. Several of the museum’s newly acquired paintings also will be on display, according to the article. For those interested in the performing arts, UMaine SPA will present Stephen Sondheim’s musical “Into the Woods” at Hauck Auditorium March 1–3 and 7–10, the BDN reported.

## **Brzozowski recent guest on Maine Public’s ‘Maine Calling’**

**16 Jan 2019**

Richard Brzozowski, a food system program administrator with University of Maine Cooperative Extension, was a recent guest on Maine Public’s “Maine Calling” radio show. The show was broadcast from the annual State of Maine Agricultural Trades Show at the Augusta Civic Center, and focused on the important role agriculture plays in Maine’s economy and the issues facing farmers.

## **Applications open for UMaine I-Corps cohort**

**16 Jan 2019**

Applications are being accepted for the first cohort of UMaine I-Corps that will begin Feb. 8. In 2018, the National Science Foundation selected the University of Maine as the state’s first I-Corps Site. I-Corps helps foster innovation and entrepreneurship by providing faculty, staff and students with the tools and guidance needed to identify the market opportunity for their STEM-based research. Innovations in the humanities, business, social sciences and interdisciplinary fields also are eligible if there is a technology application. The six-week program is open to University of Maine System faculty, staff and students who want to explore the commercialization potential of their innovation regardless of whether they want to start a company. Stipends of up to \$3,000 per three-member team are available. Program dates for spring, summer and fall cohorts are Feb. 8, June 7 and Oct. 18. Applications are on the UMaine I-Corps [website](#) and will be reviewed beginning two weeks before the start of each cohort.

## **UMaine, UMM marine experts to present to legislative committee Jan. 17**

**16 Jan 2019**

University of Maine and University of Maine at Machias marine experts will give a 90-minute briefing to the 129th Legislature’s Joint Standing Committee on Marine Resources during its Jan. 17 meeting that begins at 1 p.m. The intent of the briefing is to provide an overview of the expertise and resources UMaine and UMM have in this important sector of Maine’s economy, and to serve as a resource to the committee as it develops public policy. Live audio of the meeting will be available [online](#). President Joan Ferrini-Mundy will open the presentation, focused on the research, economic development initiatives, community outreach and education that UMaine and UMM provide in marine sciences and aquaculture. Also offering remarks will be UMaine researchers Heather Leslie, director of UMaine’s Darling Marine Center, located in Walpole; Rick Wahle, director of UMaine’s Lobster Institute in Orono; Deborah Bouchard, director of UMaine’s Aquaculture Research Institute in Orono; Gayle Zydlewski, director of the Maine Sea Grant College Program, with offices along the coast; and Brian Beal, director of the University of Maine at Machias marine field station, located at the Downeast Institute in Beals.

## **Allen named assistant provost for institutional research and assessment**

**17 Jan 2019**

Debra Allen, associate director of the University of Maine Office of Institutional Research, has been named UMaine assistant provost for institutional research and assessment, effective Jan. 1. Allen has been a member of the UMaine community since 2002. She has worked in the Office of Institutional Research for the past eight years. Her interdisciplinary Ph.D. from UMaine focused on institutional research, higher education and public policy. As assistant provost for institutional research and assessment on the Academic Affairs leadership team, Allen is responsible for supporting data-informed strategic institutional planning and overseeing the merger of the offices of Institutional Research and Assessment, which became a single unit Jan. 1. “Combining institutional research and assessment will help leverage data to answer strategic questions regarding student success,” Allen says. “Given the growing institutional focus on assessment and access to data, a primary goal of the Office of Institutional Research and Assessment will be to expand access to data and tools in support of a more data-informed culture at UMaine. Toward that end, I look forward to leading the talented institutional research and assessment team, as well as collaborating with administrators, faculty, staff and other stakeholders on campus.”

## **February CCA performances to include prehistoric aquarium show, ‘Spamalot,’ ‘The Sound of Music’**

**17 Jan 2019**

February events at the University of Maine Collins Center for the Arts will include a prehistoric aquarium show, several musical theatre productions, a high-energy tap dance and live music fusion group, and a wind and piano ensemble, all part of the 2018–19 season. From the creators of Erth’s Dinosaur Zoo Live, the new Erth’s Prehistoric Aquarium Adventure will take the stage at 3 p.m. Feb. 2. Jump in and explore unknown ocean depths where prehistoric marine reptiles lived eons ago — and maybe still live today. At the forefront of family entertainment, Erth shows use actors, technology, puppets, science and imagination to create a visual experience that connects young audiences to the science of paleontology. The only “piano windtet” in the world, Ensemble 4.1, will perform in Minsky Recital Hall at 3 p.m. Feb. 3. In addition to masterpieces by Wolfgang Amadeus Mozart and Ludwig van Beethoven, the ensemble is dedicated to discovering rarely played compositions from the turn of the 19th to the 20th centuries. After many years, composers like Walter Gieseking, Theodor Verhey, Heinrich von Herzogenberg and David Stephen are again being performed for the public. The concert is a selection in the John I. and Elizabeth E. Patches Chamber Music Series; a reception for patrons and artists will follow. Mnozil Brass will bring a new show to CCA at 8 p.m. Feb. 8. In “Cirque,” the group will transform the stage into a musical flea circus, traveling the globe on a mission and with the firm intention of bringing their Elysian style of music and laughter to the rest of the world. The musical comedy “Spamalot,” based on the film classic “Monty Python and the Holy Grail,” will be at 7 p.m. Feb. 20. With music and lyrics by the Grammy Award-winning team of Eric Idle and John Du Prez, “Spamalot” tells the tale of King Arthur and his Knights of the Round Table as they embark on their quest for the Holy Grail. “The Greatest Pirate Story (N)ever Told!” will be performed at 7 p.m. Feb. 21. Flung into the future by a musical-loving sea witch, a crew of misfit pirates-turned-actors must now perform the greatest epic ever seen on stage. But when their script is partially obscured by a tragic squid accident, the crew must turn to the audience to fill in the missing pieces of the plot. Cast members weave the audience suggestions into scenes, songs and more. The swashbuckling musical is never the same show twice. Tap Dogs will return to the CCA stage with its trademark blend of live music and tap dance at 7 p.m. Feb. 27. Part theatre, part dance, part rock concert and part construction site, the show is packed with high-energy dance, theatrical performance and music delivered by the cast and live musicians. Whether in the water, upside-down or jumping through scaffolding, Tap Dogs have been performing to the beat of their own drum for more than 20 years. And finally, a new production of the classic “The Sound of Music” will be performed at 7 p.m. Feb. 28. The spirited, romantic and beloved story of Maria and the von Trapp family is inspired by “The Trapp Family Singers” by Maria Augusta Trapp, and features music by Richard Rogers and lyrics by Oscar Hammerstein II. To view the full season schedule, request a reasonable accommodation or purchase tickets, visit the CCA [website](#).

## **Annual breakfast celebration included in BDN roundup of Martin Luther King Jr. Day events**

**17 Jan 2019**

The [Bangor Daily News](#) included the annual Dr. Martin Luther King Jr. Breakfast Celebration at the University of Maine in a roundup of events in the state for Martin Luther King Jr. Day. Co-sponsored by the Greater Bangor Area NAACP and the UMaine Division of Student Life, the event will be held 8:30–10:30 a.m. Jan. 21 at Wells Conference Center. Doors will open at 8 a.m. The family-friendly event will celebrate King’s life and legacy, inspiration, dedication to diversity and social commitment, the article states. The event will include food and music, recognition of the recipient of the Dorothy Clarke Wilson Peace Writing Prize, and a keynote address by Amy Sneirson, executive director of the Maine Human Rights Commission. Tickets are \$20, \$15 for children age 12 or younger, or free for UMaine students with a MaineCard. Registration is available online; tickets also will be sold at the door until they are sold out, the BDN reported.

## **Maine Public’s ‘Speaking in Maine’ runs Dagher’s Mainebiz conference keynote**

**17 Jan 2019**

“Speaking in Maine,” a public affairs lecture series hosted by [Maine Public](#), ran a keynote address by Habib Dagher, executive director of the Advanced Structures and Composites Center at the University of Maine. Dagher’s address from the MaineBiz “Conference

on Maine Energy & How to Build an Economy Around the Energy Industry” discussed Maine’s potential to be a leader in the wind industry. Maine has the necessary deep-water ocean resources and plenty of wind within a 50-mile radius of the coastline, but wind alone couldn’t power the state, said Dagher, who compared Maine to Denmark and its partial use of wind power.

#### **The News & Advance reports UMaine students volunteer at Virginia urban farm**

17 Jan 2019

[The News & Advance](#) published a photo essay showing University of Maine students volunteering at Lynchburg Grows, an urban farm in Lynchburg, Virginia. Lynchburg Grows was founded in 2003 to help people with physical and mental disabilities enjoy the benefits of gardening, according to The News & Advance. UMaine students Hannah Burns, Hannah Welborn and Nicole Ashe were shown replanting Swiss chard in the farm’s greenhouse. The students are volunteering through the UMaine chapter of Alternative Breaks.

#### **Sierra magazine quotes Gill in article on effects of government shutdown**

17 Jan 2019

[Sierra](#) magazine quoted Jacquelyn Gill, an assistant professor of paleoecology and plant ecology at the University of Maine, in the article, “What the government shutdown means for food, farmers, and eaters.” The U.S. government shutdown is now in its 26th day, leaving nonessential discretionary programs in nine of the 15 departments closed, including the United States Department of Agriculture, the article states. Nearly 67 percent of USDA employees are considered noncritical and are furloughed, and those considered essential are working without pay. The shutdown is affecting the agricultural sector in several ways, including related research. “We can’t apply for the USDA permits we need to import soil and plant samples for my Ph.D. student’s research,” Gill tweeted. “I can’t apply to do the work we need to do at @BeringLandNPS. Both of these could jeopardize our field season and set back our work a year.”

#### **Media report on new School of Economics, Maine Brewers’ Guild study**

17 Jan 2019

The [Bangor Daily News](#), [Craft Brewing Business](#), [WABI](#) (Channel 5) and [Brewbound](#) reported on a new [study](#) released Jan. 16 by the Maine Brewers’ Guild and Andrew Crawley, an assistant professor in the University of Maine School of Economics. Breweries and related activities by their suppliers and employees contributed a total of \$260.4 million to the Maine economy in 2017, up from \$225 million in 2016, according to the study. The BDN broke down that number into \$1.5 million in excise taxes, \$168 million in beer sold, and 2,560 jobs with a total of \$54.8 million in wages. In 2017, the number of breweries grew 16 percent nationally compared to 34 percent in Maine, with 19 breweries opening between January 2017 and January 2018, according to the BDN. And Maine breweries saw 9.8 million tourists — one in five tourists to the state — stopping for a tour or tasting in 2017. While Cumberland County still has the most craft breweries with 47, each Maine county now has at least one craft brewery, according to the study. The study is based on poll responses from 36 percent of members in the Maine Brewers’ Guild, and is an update to a previous version of the study released in 2017. The Maine craft brewing industry is expected to continue to grow in the foreseeable future, with a 10 percent increase in output by the end of 2019 and a 15 percent increase by the end of 2020, according to Craft Brewing Business. [Maine Public](#) carried the BDN article and the [Portland Press Herald](#) also cited the study.

#### **Alum Scott Horey to hold free concert, percussion clinic Jan. 24**

18 Jan 2019

University of Maine alumnus Scott Horey ’07 will return to the School of Performing Arts to perform a solo concert at 7:30 p.m. Jan. 24 in Minsky Recital Hall. Horey performs nationally and internationally as a solo percussionist and drummer and recently returned from a tour in Poland, Denmark and Greece. The principal percussionist of the Mankato Symphony Orchestra in Mankato, Minnesota also is an assistant professor and lecturer of percussion at the University of Minnesota, Morris. [caption id="attachment\_65071"



align="alignright" width="223"] Scott Horey[/caption] Horey calls his time at UMaine a transformative experience. “The four years I spent at UMaine studying with Stuart Marrs was a big turning point in my life and key to my early development as an artist and teacher,” he says. “I feel so lucky to have had a very supportive program on an inspiring campus on which to learn, grow, cultivate and blossom.” Horey includes an eclectic mix of styles, composers and original compositions in his energetic percussion concerts. “The audience can expect captivating expressive gesture, variety, detail, brilliant colors, eccentricity, tenderness and power,” he says. In addition to the solo concert, Horey will conduct a percussion clinic at 2 p.m. Jan. 24 in Minsky Recital Hall. The concert and clinic are free and open to the public. For more information about Horey, visit his [website](#). For more about the clinic and concert, or to request a reasonable accommodation, email Alan Berry, [richard.berry@maine.edu](mailto:richard.berry@maine.edu).

#### **Founder of American Unagi LLC grew business at Darling Marine Center, BDN reports**

18 Jan 2019

The [Bangor Daily News](#) reported Sara Rademaker, the founder of elver-growing startup company American Unagi LLC, grew her business at the University of Maine’s Darling Marine Center in Walpole before taking the next step. The company buys elvers, or young eels, from local harvesters and grows them to market size using land-based aquaculture practices. Rademaker started the business in her basement before moving it to the DMC, where she could demonstrate the commercial viability of the product before scaling up operations, the BDN reported. “I grew eels at a small-scale commercial density, demonstrating the product could work in the U.S.,” said Rademaker, who is in the process of expanding her business to a new facility in Waldoboro.

#### **Student recent guest on Maine Public’s ‘Maine Calling’**

18 Jan 2019

Courtney Allen, a student at the University of Maine, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. The show’s topic was how babies and mothers with opioid addiction are affected and treated, and what lasting effects the phenomenon has on society. Allen is a mother of two, has been drug-free for three years, and helps others in recovery for addiction, according to Maine Public.

#### **WABI interviews Roche, Handley for report on Ag Trades Show**

18 Jan 2019

[WABI](#) (Channel 5) interviewed the University of Maine Cooperative Extension’s Erin Roche, a crop insurance education program manager, and David Handley, a vegetable and small fruit specialist, for a report on the 2019 Maine Agricultural Trades Show in Augusta. The report focused on a weather-based crop management tools event at the show. “What we’re really hoping by hosting this type of workshop is to shed some light on the different options that are available,” said Roche. “So there are both the higher-tech

newer kind of computer/smartphone-based tools that a farmer might consider, but then there are the tried and true soil thermometers, water sensors, rain gauges.” WABI also reported on a strawberry growing class at the show. “A lot of what strawberry farmers are doing now that’s becoming more high-tech is dealing with our climate, so we can now have our computers set up such that they can take readings in the field, determine if there’s an issue out there — ‘It’s too hot, it’s too cold, I’m too dry, I’m too wet’ — and the computer will say, this is important enough that the farmer needs to know about it,” said Handley. “We’ll call them on the phone.”

#### **Gill included in Grist feature on science communicators**

**18 Jan 2019**

Jacquelyn Gill, an assistant professor of paleoecology and plant ecology at the University of Maine, was included in the [Grist](#) article, “9 science geeks you need to know.” Gill is an ice age ecologist and host of the climate change podcast “Warm Regards.” One reason she studies the past is that it can inform the future — and studying woolly mammoths is an added bonus, the article states.

#### **BDN interviews Hopkins for article about growing saffron**

**18 Jan 2019**

The [Bangor Daily News](#) interviewed Kathryn Hopkins, an educator with University of Maine Cooperative Extension, for an article about growing saffron, the most expensive spice in the world. Made from hand-picked and dried stigmas of fall crocuses, saffron sells for about \$5,000 per pound, the BDN reported. It’s a fairly new crop for Maine, but could be a smart option for growers trying to diversify their crops. “Farms in New England have been under financial stress. Smaller farms are trying to find the right mix of diversification to make sure their bottom line comes out positive,” said Hopkins. “Saffron is a high-value crop; if it can be produced, that could be a way to bump up the farm’s profit.” Hopkins has experimented with growing saffron in a demonstration plot from 2017–2018. While it was not a formal research project, Hopkins said she learned a lot. Her crop did well the first year, but fewer bulbs survived the second year. Hopkins guessed rodents were responsible, according to the BDN. Growing saffron also is land- and labor-intensive — a pound of saffron requires 50,000 to 75,000 crocuses, limiting production to about four pounds of saffron per acre, and the stigmas can only be harvested by hand. “It’s just the threads that you’re harvesting and when you dry them down they weigh nothing,” Hopkins said. “It’s hard to get enough harvested to make it financially rewarding and worth selling. You can’t sell a tenth of an ounce very productively.” While the crop does not have large market potential for farms to make profits, they could find a local outlet for the product. “I think a lot of farms will do well if they can tap into the local food market. People who are able to grow and harvest local herbs and seasonings find that people want to buy those instead of buying bottled flavoring from who knows where,” she said.

#### **Capt. Kearns, Hecker speak to WVH about Pathways to Engineering program**

**18 Jan 2019**

Capt. Sean Kearns, an officer in the United States Navy, professor of naval science and commanding officer of Naval ROTC at the University of Maine; and Jeffrey Hecker, executive vice president for academic affairs at UMaine; spoke to [WVH](#) (Channel 7) about UMaine’s new Pathways to Engineering program. A collaboration between UMaine and NROTC, the program is designed to be a stepping stone for students who might not be ready to enter NROTC, WVH reported. “This prep program will help improve those academic and life skills so they can go on to succeed at the NROTC program at UMaine,” Kearns said. “We’ll be bringing 10 students from around the country,” Hecker added. “These are bright, highly motivated students from around the country coming to study engineering or another STEM discipline. We’re providing a very generous scholarship, including room and board, for these students to come to the University of Maine for year one.” The students in the program will receive full NROTC scholarships for years two through five, similar to programs in other areas of the country, WVH reported. “UMaine’s program has jumped side by side with them and it’s actually going to be a little larger in scope, with 10 students that have already been selected and they’ve already accepted the offers,” Kearns said.

#### **Klein, Bricknell to speak at Maine Science Festival Pop-up Events Jan. 31, Feb. 5**

**18 Jan 2019**

Sharon Klein, an associate professor in the University of Maine School of Economics, and Ian Bricknell, a professor of aquaculture biology at UMaine, will speak at upcoming Maine Science Festival Pop-up Events. Klein’s talk will be at 12:30 p.m. Jan. 31 at the Bangor Unitarian Universalist Church. She will discuss the science of window inserts and how they work to help reduce heat loss, modeled energy and emissions savings from research conducted at UMaine, and additional nonmonetary benefits of inserts and the community workshops that build them. Space is limited; registration is [online](#). WindowDressers, an organization that brings together volunteers to build affordable window inserts, will be onsite. Participants can sign up [online](#) to help with a build before or after Klein’s talk. Bricknell and Jennifer Fortier, outreach and development associate at land-based aquaculture company Whole Oceans, will discuss the science behind two new projects in Maine using recirculating aquaculture systems to grow Atlantic salmon at 7:30 p.m. Feb. 5 at the Bucksport Performing Arts Center. More information about MSF and related events is [online](#).

#### **Update on student move-in, MLK Jr. Breakfast Celebration for Jan. 20–21**

**18 Jan 2019**

University of Maine residence halls open Sunday, Jan. 20 at 10 a.m. Students are advised to travel to campus only when it is safe to do so in inclement weather. At this time, it is recommended that residential students move in on Monday, Jan. 21, when weather and road conditions are expected to improve. Spring semester move-in continues throughout the week. Campus food service for residential students opens Sunday. The Bookstore and MaineCard Office will be closed Jan. 20; open at 7:30 a.m. Jan. 21. Spring Orientation scheduled for Sunday, Jan. 20 has been canceled. To assist new students, an Orientation Help Desk will be available in the Memorial Union lobby 10 a.m.–2 p.m. Sunday, Jan. 20; and 8 a.m.–4 p.m. Monday and Tuesday, Jan. 21–22. The 2019 Dr. Martin Luther King Jr. Breakfast Celebration, co-sponsored by the Greater Bangor Area NAACP and UMaine’s Division of Student Life, has been canceled for Jan. 21. Organizers are working to reschedule the event for a later date. Ticket holders will receive refunds.

#### **UMaine to host 24-hour America East hackathon beginning March 2**

**22 Jan 2019**

Innovative, tech-savvy, entrepreneurial students will tackle challenges facing America’s farmers at the America East hackathon (Hack AE) March 2–3 at the University of Maine. Jeffrey Hecker, UMaine’s executive vice president for academic affairs and provost, said the university is honored to host the third annual 24-hour civic hackathon. “Hack AE 2019 will provide a unique opportunity to challenge undergraduate students to harness technology, innovation and collaboration to address the integration of the latest in technology with the agricultural industry,” Hecker says. “University of Maine’s Center for Innovation in Teaching and Learning (CITL) creates and manages the Hacker Space for students at UMaine and looks forward to welcoming hackers from across our America East membership to campus.” Last year, more than 120 students from America East schools collaborated in round-the-clock efforts to apply technology to address issues of local, regional, national or global significance. Several award-winning projects were created. Marsha Florio, executive director of the America East Academic Consortium (AEAC), said the group is eager to partner with UMaine and CITL. UMaine’s Center for Undergraduate Research (CUGR), Wireless Sensor Networks Lab (WiSe-Net Lab), and New Media/School of Computer and Information Sciences will contribute to the event. Enrolled undergraduates interested in Hack AE are encouraged to go [online](#). Hack AE organizers are recruiting mentors, judges and sponsors; those interested are invited to email [aeac@americaeast.com](mailto:aeac@americaeast.com). In addition to UMaine, America East schools include the University at Albany, State University of New York; Binghamton University; University of Hartford; University of Maryland, Baltimore County; University of Massachusetts Lowell; University of New Hampshire; Stony Brook University; and University of Vermont.

#### **UMaine Extension Franklin County groups benefit elementary schools, Daily Bulldog reports**

**22 Jan 2019**

The [Daily Bulldog](#) reported the University of Maine Cooperative Extension Franklin County Homemakers donated 300 boxes of facial tissues to local school districts. The group’s campaign included a donation kiosk at the local Hannaford supermarket and direct donations from six Franklin County Extension Homemaker groups, the article states. UMaine Extension Homemakers volunteer to support worthy community causes while developing leadership skills and promoting UMaine Extension educational programs, according to the article.

#### **Media preview UMaine Extension bee workshop**

**22 Jan 2019**



The Associated Press, [Turner Publishing](#) and [Morning Ag Clips](#) previewed a University of Maine Cooperative Extension workshop, “Native Bees: Habitats, Threats, and Citizen Science,” from 1–2 p.m. Feb. 13 at the UMaine Extension Oxford County Office in South Paris. Kalya Bickerman-Martens, a Ph.D. candidate in ecology and environmental sciences at UMaine, will discuss Maine’s native bees; bumblebee species and threats; and the Maine Bumble Bee Atlas, a citizen science project; the articles state. Registration is required online by Feb. 11 for the free workshop. For more information or to request a reasonable accommodation, call 743.6329 or email [extension.oxford@maine.edu](mailto:extension.oxford@maine.edu). [U.S. News & World Report](#) and [WABI](#) (Channel 5) carried the AP article, and [USA Today](#) included it in a “News from around our 50 States” roundup.

#### **Wiscasset Newspaper reports Maine Steiners perform for local students**

**22 Jan 2019**

[Wiscasset Newspaper](#) reported the Maine Steiners, the University of Maine’s premier male a cappella group, performed Jan. 16 at Wiscasset Middle High School and led a workshop for choral students in grades 4–12. The Steiners, who are mostly nonmusic majors, spoke about performing and demonstrated different techniques, then taught special parts to groups of choral students, who came together at the end of the workshop in a four-part harmony, according to the article. All the students attended the following concert, which included country, classical and pop songs. The mission of the Maine Steiners is to share a love of music and a passion for singing in the hopes of inspiring young people to pursue a lifelong commitment to musical learning and enjoyment, the article states.

#### **Press Herald interviews Wertheim about pros, cons of ice-melting salt**

**22 Jan 2019**

The [Portland Press Herald](#) interviewed Frank Wertheim, an associate extension professor of agriculture/horticulture with University of Maine Cooperative Extension, for an article about balancing the positives and negatives of using rock salt to melt ice. Rock salt can reduce the risk of slipping on icy roads and sidewalks, but also can corrode metal and damage lawns and other plants. “Road salt always has the potential to damage when there isn’t enough moisture to dilute the salt when plants break dormancy in the spring,” Wertheim said. If spring rains are heavy, they will dissolve the residual salt. But if rain is insufficient to remove the salt from soil, plants growing there could effectively experience a drought, according to the Press Herald. Wertheim recommended using a hose in spring to soak the areas where plows dumped the road salt during the winter. And while homeowners do not have control over salt used in public road management, they can control what they do to their own driveway. The article recommended using as little salt as possible, removing deep snow before salting, using a mix of sand and salt, or even leaving the ice alone and wearing cleats or grips over shoes to avoid slipping. UMaine Extension also offers a resource, the GardenPro Answer Book, which lists salt-tolerant plants that people planting a new garden could consider, according to the report. The [Kennebec Journal and Morning Sentinel](#) carried the Press Herald article.

#### **Media advance UMaine Extension wild blueberry conference Feb. 28**

**22 Jan 2019**

The Associated Press, [Republican Journal](#) and [Morning Ag Clips](#) advanced a free wild blueberry conference hosted by University of Maine Cooperative Extension 8:30 a.m.–3:30 p.m. Feb. 28 at the Black Bear Inn. Topics will include management updates on diseases, pollinators and weeds; ideas about precision agriculture, post-harvest quality and blueberry fertility; and insight into food safety requirements; the articles state. Pesticide credits will be available. Online registration is required. The snow date is March 4. For more information or to request a reasonable accommodation, contact Mary Michaud, 581.3175; [mary.j.michaud@maine.edu](mailto:mary.j.michaud@maine.edu). More information also is available by contacting Lily Calderwood, 581.3193; [lily.calderwood@maine.edu](mailto:lily.calderwood@maine.edu). [WABI](#) (Channel 5), [NECN](#), [Seacoast Online](#), [Foster’s Daily Democrat](#) and [U.S. News & World Report](#) carried the AP article, and [The Times Record](#), [Post Register](#) and [USA Today](#) included it in roundups.

#### **Study Abroad Fair to be held Jan. 31**

**23 Jan 2019**

The University of Maine International Programs’ Study Abroad Fair will be held 11 a.m.–2 p.m. Jan. 31 in the first-floor ballroom of Estabrooke Hall. The free event is held to inform UMaine students, faculty and staff about the programs available for all majors to study, intern, research or teach abroad. Information will be available on UMaine’s direct exchange and recommended programs, which are offered in the summer, by semester or throughout the academic year, as well as scholarships and financial aid. Attendees will be able to speak with several people including program provider agents, campus program representatives, UMaine students who have studied abroad, students currently visiting on exchange from partner universities, study abroad peer advisers and study abroad office staff. Some study abroad representatives also will be tabling in the first floor of the Memorial Union 11:30 a.m.–1 p.m. Jan. 30, and in the atrium of Donald P. Corbett Business Building 9–11:30 a.m. Feb. 1. Faculty interested in teaching abroad can attend a workshop at 3 p.m. Jan. 30 in the FFA Room of the Memorial Union. University Studies Abroad Consortium (USAC) representative Rochelle Seymour will provide information about teaching abroad through the organization, which is the most popular study abroad provider at UMaine. More about the Study Abroad Fair is on [Facebook](#). Information about UMaine’s study abroad programs is [online](#).

#### **Republican Journal reports UMaine Hutchinson Center spring 2019 registration open**

**23 Jan 2019**

[The Republican Journal](#) reported registration is open for spring 2019 classes at the University of Maine Hutchinson Center in Belfast. The center is offering more than 300 undergraduate and graduate courses, both live and via distance education (online, ITV and videoconferencing) for the spring semester Jan. 22–May 11, the report states. Students interested in registering for courses through the Hutchinson Center to begin, continue, or complete a degree can contact Nancy Bergerson, 338.8049; [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu). More information also is [online](#).

#### **Ms. Magazine publishes opinion piece co-written by Blackstone**

**23 Jan 2019**

[Ms. Magazine](#) published an opinion piece written by Amy Blackstone, a professor of sociology at the University of Maine and author of the forthcoming book “Childfree by Choice;” and Maxine Trump, filmmaker and director of the film “To Kid or Not To Kid.” The piece was titled, “What Choice Means to Childfree Women.” An upcoming free screening of the film and a discussion panel with Trump and Blackstone, to be held Feb. 1 on the UMaine campus, also was mentioned.

#### **UMaine, UNH establish genomic ecology program, Morning Ag Clips reports**

**23 Jan 2019**

[Morning Ag Clips](#) reported the University of Maine and University of New Hampshire are partnering to establish a research and training program, “Genomic Ecology of Coastal Organisms.” The program is fundamental for understanding links between genomes and phenomes in natural populations, especially in enabling tidal marsh birds to adapt and evolve in response to environmental change, the article states. Led by Adrienne Kovach, an assistant professor of natural resources and the environment at UNH; and Brian Olsen, an associate professor of biology and ecology at UMaine; the program also is designed to advance STEM education by training scientists in an interdisciplinary research approach. The program is a collaboration between researchers across Northern New England, including those from the UMaine School of Marine Sciences, Department of Molecular and Biomedical Science, School of Biology and Ecology, and Climate Change Institute, according to the article.

#### **BDN editorial mentions Climate Change Institute report**

**23 Jan 2019**

A [Bangor Daily News](#) editorial titled “Maine can change the debate on climate change” mentioned a report from the Climate Change Institute at the University of Maine. The report by Sean Birkel and Paul Mayewski analyzed historical climate trends and potential impacts of climate change on coastal Maine, especially the agriculture and fishing industries. The BDN has identified climate change as one of its four focus issues for 2019, based on reader input. The opinion piece noted with a new administration in place, already-tangible examples of climate change and members of the research and business communities engaged in the issue, Maine has an opportunity to dedicate time and energy to changing policies and practices related to climate change and its effects. Evidence from the CCI report and the expectation that the atmosphere and oceans will continue to warm reinforces the importance of preparation and action against climate change, the opinion piece stated.

#### **Study finds yogurt, other dairy foods associated with better cardiometabolic health**



**23 Jan 2019**

The consumption of yogurt and other dairy foods is associated with healthier dietary habits and cardiometabolic profile, according to a new study by University of Maine researchers. The study by Georgina Crichton, Olivia Bogucki and Merrill Elias published in the [International Dairy Journal](#) explored the relationships among yogurt and other dairy foods, and dietary patterns, physiological measurements (body mass index, waist circumference, blood pressure, fasting plasma glucose, cholesterol) and lifestyle habits (smoking, physical activity). Dairy foods, including yogurt, have been shown to have a beneficial impact on multiple markers of physical health. However, it is important to focus on overall dietary patterns to understand how eating habits affect health, according to the researchers. The study assessed the relationship between yogurt and other dairy products to the consumption of other foods, and the association between these dietary patterns and markers of cardiometabolic health. Crichton and colleagues found that participants who reported eating yogurt more regularly also ate more servings of fruit, vegetables, nuts and fish, and fewer servings of sweets, sugar-sweetened soda and alcohol. The data was used to calculate a yogurt-healthy-food eating score. Participants with higher yogurt-healthy food scores had lower fasting plasma glucose levels and smaller waist circumferences. They also smoked fewer cigarettes and engaged in more physical activity. In addition, these participants were less likely to have metabolic syndrome abdominal obesity. Causal relations cannot be inferred as the study was cross-sectional, but indicates that yogurt and other dairy foods, when consumed along with other heart-healthy foods, are associated with a more favorable cardiometabolic profile. The [Maine-Syracuse Longitudinal Study](#) (MSLS) provided the data for this research. Data collection was supported by grants from the National Heart, Lung, and Blood Institute (grants no: R01HL67358 and R01HL81290) and a research grant from the National Institute on Aging (grant no: R01AG03055). The content of the paper does not necessarily reflect the official views of the National Institutes of Health. The UMaine researchers on the project are Georgina Crichton, who is in private practice in Australia, and an adjunct research assistant professor in the Department of Psychology; Olivia Bogucki, a senior doctoral candidate in clinical psychology; and Merrill Elias, an emeritus professor of psychology and emeritus cooperating professor in the Graduate School of Biomedical Sciences and Engineering. Contact: Olivia Bogucki, [olivia.bogucki@maine.edu](mailto:olivia.bogucki@maine.edu) or Merrill Elias, [mfelias@maine.edu](mailto:mfelias@maine.edu)

#### **First three UMaineOnline graduate courses attain GOLD status**

**24 Jan 2019**

Three University of Maine courses are the first to attain UMaineGOLD status, according to the Graduate School and Division of Lifelong Learning. The three courses — SED 536 (Instructional Strategies for Students with Severe Disabilities) and SED 598 (Collaboration and Transitions), both core courses taught by Sarah Howorth in the M.Ed. program in special education; and SIE 507 (Information Systems Programming), a course taught by Nimesha Ranasinghe that is central to the bioinformatics program, as well as several other graduate options in computing and information science — have been developed through a collaborative effort with staff members in the Center for Innovation in Teaching and Learning. All courses meet content and delivery standards that are consistent with the most state-of-the-art online courses offered nationally. Both Howorth and Ranasinghe are new UMaine assistant professors. “We are very appreciative of Dr. Howorth’s and Dr. Ranasinghe’s commitment to high quality, and to creating an engaging environment and fostering a sense of community with their online students,” says Monique LaRocque, associate provost for lifelong learning. UMaineGOLD (Graduate Online Degrees) is an intensive collaboration between academic departments, the Graduate School, and the Division of Lifelong Learning that began in 2017. The goal of the initiative is to provide online graduate professional education that addresses the need for innovative, relevant and high-quality programming of global impact and local relevance, preparing students for rewarding 21st-century careers, says Kody Varahramyan, vice president for research and dean of the Graduate School. Successful UMaineGOLD programs must meet established standards in 15 areas of excellence that encompass marketing, recruitment, admissions, student advising and success, course design and curriculum planning, faculty development, and other key measures. Six online graduate programs were approved for development as UMaineGOLD programs in AY17–18 and seven additional programs have been approved this year. Of the six programs approved in the last academic year, an additional 25 to 30 courses are expected to be certified GOLD this year. More information about the UMaineGOLD program is [online](#).

#### **Call for submissions for student philosophy journal**

**24 Jan 2019**

The University of Maine Philosophy Club is accepting submissions for the second issue of the student philosophy journal “dwell.” Philosophical writings, poems, personal essays and short stories are all welcome. If interested in submitting a piece or becoming a part of the journal’s editing team, email [umainephilclub@gmail.com](mailto:umainephilclub@gmail.com) for more information.

#### **Summer University 2019 courses available for viewing, registration Feb. 1**

**24 Jan 2019**

Summer University 2019 courses are now available for viewing on MaineStreet. With early viewing, students can better plan their course schedules for spring and summer to ensure they meet their educational goals. Summer is a great time for students to continue their coursework and make progress toward completing their degree. Registration begins Feb. 1. Summer University is organized into two convenient time blocks made up of three- and six-week sessions. With a simplified summer course schedule and more than 800 course offerings on campus and online, students can fit in the courses they need for their success. Summer University 2019 will begin with a three-week May Session. This term, like the three-week Winter Session, provides additional opportunities for students to [Think 30](#) credits per year to stay on track to graduate in four years. More information, including a course listing and how to register, is [online](#).

#### **Kennebec Journal interviews Trostel for article about government shutdown effects**

**24 Jan 2019**

The [Kennebec Journal](#) interviewed Philip Trostel, a professor of economics and public policy at the University of Maine, for an article about local effects of the government shutdown. The U.S. government entered a partial shutdown Dec. 22, which has become the longest in history, now stretching beyond three weeks. About 800,000 federal employees are working without pay or are on furlough, the article states. “The real loss is the reduction in government services,” Trostel said. “We pay taxes for government safety, and those will be compromised the longer the shutdown goes on. The impact is that the morale of government employees must be suffering immensely.” Trostel also said “there’s a fair risk that if this goes on for a significant period of a time, this could trigger a recession.”

#### **Schwartz-Mette elected vice chair of American Psychological Association Ethics Committee**

**24 Jan 2019**

Rebecca Schwartz-Mette, assistant professor of psychology, has been elected vice chair of the American Psychological Association Ethics Committee for the 2019 term. She will serve as chair in 2020.

#### **MacAulay receives trial grant, fellowship award**

**24 Jan 2019**

Rebecca MacAulay, assistant professor of psychology, recently received the National Academy of Neuropsychology Clinical Research Trial Grant Award, as well as the 2019–2020 CLAS Pre-Tenure Faculty Research and Creative Activity Fellowship Award.

#### **UMaine Hutchinson Center and Lobster Institute to show award-winning documentary ‘Lobster War’**

**25 Jan 2019**

The University of Maine Hutchinson Center and the UMaine Lobster Institute will present the documentary “Lobster War” at 6 p.m. Feb. 27. The film showing is free and open to the public. “Lobster War” is an award-winning, feature-length documentary about a conflict between the United States and Canada over waters that both countries have claimed since the end of the Revolutionary War. The disputed 277 square miles of sea known as the Gray Zone were traditionally fished by U.S. lobstermen. But as the Gulf of Maine has warmed faster than nearly any other body of water on the planet, the area’s previously modest lobster population has surged. As a result, Canadians have begun to assert their sovereignty. “Lobster War” is directed by David Abel, a Pulitzer Prize-winning reporter at the Boston Globe, and Andy Laub, an award-winning documentarian. The pair also produced the acclaimed Discovery channel documentary “Sacred Cod,” a film about the collapse of the iconic cod fishery in New England. For more information or to request a reasonable accommodation, contact Nancy Bergerson, 338.8049; [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu).

#### **Bryant, Mahaleris named Maine Press Association Scholars**

**25 Jan 2019**

The Maine Press Association, in collaboration with the University of Maine, has awarded 2018–2019 Maine Press Association Scholarships to UMaine undergraduate students Hailey Bryant of Gorham, Maine, and Nina Mahaleris of Orono, Maine. Bryant and Mahaleris are journalism majors. Bryant writes for The Maine Campus, the school's independent student newspaper, and Mahaleris is completing an internship at the Bangor Daily News. Both look forward to pursuing careers in journalism. The Maine Press Association Scholarship is awarded to undergraduate students currently enrolled at a Maine college or university who plan to pursue a career in journalism. Applicants must meet minimum grade-point average requirements, be seniors and demonstrate financial need. To obtain an application for the 2019–2020 MPA Scholarship, email Michael Socolow, associate professor in the UMaine Department of Communication and Journalism, at [michael.socolow@maine.edu](mailto:michael.socolow@maine.edu). The MPA was founded in 1864 by a coalition of Maine newspaper proprietors. Since inception, it has been committed to the protection of freedom of the press in Maine and to the protection of Maine citizens' rights to access public information. The MPA's annual awards program has encouraged excellence in journalism in the state for more than a century. Visit the [MPA website](#) for more information, including its vital role in Maine's civic life.

#### **Medical Xpress publishes UMaine release on cardiometabolic health research**

**25 Jan 2019**

[Medical Xpress](#) published a University of Maine news release about a study on the association between consumption of yogurt and other dairy foods and a healthier cardiometabolic profile. The study was led by UMaine researchers Georgina Crichton, Olivia Bogucki and Merrill Elias. The researchers found that study participants who reported eating more yogurt regularly also ate more servings of fruit, vegetables, nuts and fish, and fewer servings of sweets, sugar-sweetened soda and alcohol, the release states. The data was converted into a score showing the relationship between eating yogurt and eating healthy food overall. Participants with higher scores had lower fasting plasma glucose levels and smaller waist circumferences, smoked fewer cigarettes and engaged in more physical activity, and were less likely to have metabolic syndrome abdominal obesity, according to the release. The study's results show consumption of yogurt and other dairy foods, along with other heart-healthy foods, is associated with a more favorable cardiometabolic profile.

#### **Penobscot Times previews February shows at Emera Astronomy Center**

**25 Jan 2019**

The [Penobscot Times](#) previewed February shows at the University of Maine's Emera Astronomy Center. Shows include "Faster Than Light" at 7 p.m. Feb. 1, 8, 15 and 22; "Earth, Moon & Sun" at 2 p.m. Feb. 3, 10, 17 and 24; "Cosmic Recipe" at 10 a.m. Feb. 5; "Polaris: Mystery of the Night" at 2 p.m. Feb. 19; "Expedition Reef" at 2 p.m. Feb. 20; "Cosmic Colors" at 2 p.m. Feb. 21; "Harnessing the power of the ocean currents," a science lecture with Lauren Ross at 7 p.m. Feb. 21; and "Cell! Cell! Cell!" at 2 p.m. Feb. 22. More information about the programs is [online](#). Tickets for all programs are \$6 for adults; \$5 for UMaine students, veterans and senior citizens; and \$4 for children under 12. Tickets are available [online](#), by calling 581.1341, or at the box office prior to the show.

#### **Abedi recent guest on Maine Public's 'Maine Calling'**

**25 Jan 2019**

Ali Abedi, assistant vice president for research and director of the Center for Undergraduate Research at the University of Maine and professor of electrical and computer engineering, was a recent guest on [Maine Public's](#) "Maine Calling" radio show. The show's topic was new, space-focused businesses in Maine and the state's role in space innovation, as well as the latest news in space exploration.

#### **Socolow speaks on 'Downtown with Rich Kimball'**

**25 Jan 2019**

Michael Socolow, an associate professor of communication and journalism at the University of Maine, was a recent guest on the "[Downtown with Rich Kimball](#)" radio show that airs on WZON. Socolow spoke about a variety of subjects, including Elizabeth Warren and former NFL player Bob Kuechenberg.

#### **Maine Public quotes Strout in report on lack of school nurses**

**25 Jan 2019**

[Maine Public](#) quoted Kelley Strout, an assistant professor of nursing at the University of Maine, in the report, "More Maine students have serious health needs, and there often aren't enough school nurses to help." More than 10 percent of students in Maine public schools have a chronic health condition such as asthma, Type 1 diabetes or seizure disorders. This can present challenges in small, rural school districts that may not have a full-time school nurse, according to Maine Public. Strout, who has researched student-nurse ratios in Maine schools, told Maine Public that more affluent school districts tend to provide more nurses per child than some poorer districts, like those in Washington County. "What we see is that those schools are strapped for more resources. And they don't get the health resources that the affluent schools have, that are doing well," Strout said.

#### **Student proposals for Bangor Humanities Day extended to Feb. 1**

**28 Jan 2019**

The Clement and Linda McGillicuddy Humanities Center has extended its deadline to Feb. 1 for poster, panel and performance proposals for Bangor Humanities Day on March 2. Humanities students are invited to showcase their work among professionals at the annual multidisciplinary collaboration and celebration of the study of what makes us human, says Amy Holt, humanities professional with the center. Proposals may be submitted to [mhc@maine.edu](mailto:mhc@maine.edu) and questions sent to [lukens@maine.edu](mailto:lukens@maine.edu). For more information and a schedule of events, visit the McGillicuddy Humanities Center [website](#).

#### **Kelly receives Arthur A. Comstock Professional Service Award**

**28 Jan 2019**

The Bangor Region Chamber of Commerce (BRCC) presented Renee Kelly, University of Maine assistant vice president for innovation and economic development, with the Arthur A. Comstock Professional Service Award on Jan. 25 at its Annual Awards Dinner.



[caption id="attachment\_65174" align="alignright" width="223"] Renee Kelly[caption] The award embodies Comstock's generous spirit for donating expertise over an extended period of time to the chamber and the community. Kelly has been a BRCC board member for 12 years, and has been integral to its growth and prosperity. She has served in several roles for the chamber, including chair-elect, chair and immediate past chair. Her guidance and vision have been crucial for the chamber

to become a statewide leader in business advancement. At UMaine, Kelly is a liaison to the state's economic development community and identifies opportunities for the university to partner with national, state, regional and local organizations to improve the state's economy. She oversees the Foster Center for Student Innovation, an incubator where young professionals nurture ideas and gain insights into solving problems. By connecting enterprising minds with resources, she empowers innovators of the region. "Building an entrepreneurial ecosystem, or support network, throughout the region and state is critical to our success," Kelly wrote in the BRCC awards brochure. "By creating and fostering these connections, we are able to offer diversity and opportunity." A BRCC video announcing the award is [online](#).

#### **BDN article on Bangor Region Chamber of Commerce dinner mentions Kelly's award**

**28 Jan 2019**

The [Bangor Daily News](#) reported on the Bangor Region Chamber of Commerce Annual Awards Dinner, and mentioned an award given to Renee Kelly, University of Maine assistant vice president for innovation and economic development. Kelly received the Arthur A. Comstock Professional Service Award, according to the article.

#### **Republican Journal, Sun Journal report on Bachelor of University Studies program**

**28 Jan 2019**

[The Republican Journal](#) and [Sun Journal](#) reported on the Bachelor of University Studies (B.U.S.), the University of Maine's degree completion program for adults with some higher education but no bachelor's degree. The program encompasses the student's interests, maximizes existing transfer credits and also is available in part-time and online formats to accommodate the needs of working adults who cannot commit to full-time studies, according to the articles. The program has multiple track options, and courses are available in formats including online, video conferencing, and blended and live classes to meet the needs of adult learners. "Students in this degree program come from all walks of life — business, military, social services and education, to name a few," said Barbara Howard, director of the program. "It is never too late to pursue your educational goals," said Nancy Bergerson, coordinator of student services and community education at the UMaine Hutchinson Center, an outreach center where some courses and services are offered. More information about the B.U.S. program is available [online](#) or by contacting Bergerson, 338.8049 or [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu).

#### **AP cites Climate Reanalyzer in report on cold snap**

**28 Jan 2019**

The Associated Press cited the University of Maine's Climate Reanalyzer in an article about a deep freeze in the Upper Midwest. Schools closed and warming centers opened across the Midwest when temperatures plummeted Jan. 25, according to the article. Even colder weather was expected for the following week. Temporary harsh cold does not disprove global warming; according to the Climate Reanalyzer, the globe was 1.08 degrees warmer than the 1979–2000 average for Jan. 25. [The Washington Post](#), [NBC, USA Today](#), [Madison.com](#), [Sioux City Journal](#) and [The Denver Post](#) carried the AP article.

#### **Jones' art featured in Portland gallery, Press Herald reports**

**28 Jan 2019**

The [Portland Press Herald](#) reported Samantha Jones, an assistant professor of art at the University of Maine, has work on display as part of "The Way Life Is: Maine Working Families and Communities," an exhibit at the Union of Maine Visual Artists Gallery at Portland Media Center. The exhibit, which includes works by 38 Maine artists, is free and open to the public, and will be on display Feb. 1–22, according to the Press Herald. Jones' installation of three bundles of balsam fir tips arranged on totem-like sapling poles is titled "Tipping," and references the wreath-making industry and the seasonal brush-gathering, or tipping, required to sustain it, the article states. Jones, who spent the early part of her working life in seasonal employment, said tipping is "a seemingly superfluous endeavor that could make or break a family's survival." Her bundles are decorated with survey tape to reference the tension between private landowners and Maine's underground brush-gatherers, according to the article. "These will be very foreign objects to most people, and that speaks to how under-the-table this stuff is," Jones said.

#### **Noblet, McGreavy interviewed for BDN article about 'NIMBY' phrase**

**28 Jan 2019**

University of Maine faculty members Caroline Noblet, an assistant professor in the School of Economics, and Bridie McGreavy, an assistant professor of environmental communication, were interviewed for a [Bangor Daily News](#) article about the use of the phrase "Not in my backyard," or "NIMBY." The concept is a focus in localized debates in Greater Belfast over development proposals, when residents oppose projects for a variety of reasons that can lead back to the common idea of not wanting the area to change, according to the article. But not everyone agrees the term correctly characterizes these disagreements. "I know it's a term that people are familiar with," said Noblet. "I think people are making choices not just about themselves, but also their community, and sometimes with NIMBYism, it understates that complexity." Noblet prefers the term "sense of place" instead. "[People worry] if my place is changing, does that change me? People are afraid of change, research has shown. It's the devil you know, versus the devil you don't know," she said. McGreavy told the BDN that people's opinions of development are related to the proposal process — whether conversations took place that were inclusive, fair and considered how people view their communities. And a power imbalance between those proposing the development and those living in the community can amplify feelings of frustration, the article states. "I think people will think that dissenters want to determine the outcome," McGreavy said. "That can be the case. But oftentimes they want to see how their comments were incorporated, evaluated, and have some kind of influence on the decision. It speaks to transparency in the process." To facilitate this, she said respected people in the community who are open to hearing different perspectives could serve as ambassadors to those who are more polarized. "You start with listening and move forward to brainstorming. What might be possible here," said McGreavy. "Otherwise, you get stuck in these feedback loops, where everybody feels like they're spinning their wheels and saying the same thing over and over again. The conflict just gets more entrenched."

#### **Gilbert named dean of MBS Undergraduate School of Business**

**29 Jan 2019**

Faye Gilbert, dean of the College of Business and Economic Development and a professor of marketing at the University of Southern Mississippi, has been named dean of the Undergraduate School of Business in the Maine Business School, effective March 1. She



joins J. Michael Weber, dean of the Graduate School of Business, who is based in Portland in the Maine Center for Graduate Professional Studies. [caption id="attachment\_65205" align="alignright" width="223"] Faye Gilbert [caption] "Having been dean of business programs in Georgia, Virginia and Mississippi, Dr. Gilbert brings a depth of experience that will benefit our students, faculty, community partners, and the state," says Jeffrey Hecker, executive vice president for academic affairs and provost. "Her focus on student engagement, research and consultative leadership will tangibly advance the Maine Business School." "It is an honor to be joining the team at the University of Maine," Gilbert says. "I am so impressed with the faculty and staff members in business, and appreciate their engagement and commitment to excellence. It is a special time to be part of this university and the Maine Business School, and I appreciate this opportunity." Gilbert has been a dean at the University of

Southern Mississippi since 2013. She also served as business dean at Radford University and at Georgia College. At the University of Mississippi from 1989–2003, her academic career included promotion to full professor and service as associate dean of the MBA program. In addition to the teaching awards she has garnered, in 2016 Gilbert received the inaugural Dean of the Year Award from Beta Gamma Sigma, the international business honor society. She holds a Ph.D. in marketing with an emphasis in applied statistics from the University of North Texas, and an MBA from the University of Southern Mississippi.

## **UMaine named 2019–20 Military Friendly School**

**29 Jan 2019**

For the eighth year in a row, the University of Maine has been included on a list of “military friendly” colleges, universities and educational institutions that offer noteworthy services, opportunities and support for veterans of the United States military service. Qualification for the Military Friendly Schools list is based on research from public data sources, input from student veterans and survey responses from participating institutions. The Military Friendly Schools list is compiled each year by VIQTORY, a service-disabled, veteran-owned small business that connects the military community to civilian employment, educational and entrepreneurial opportunities. The full list is [online](#).

## **UMaine to observe Black History Month with films, workshops, panels**

**29 Jan 2019**

The University of Maine will observe Black History Month with a series of on-campus events throughout February. The activities will kick off at noon Feb. 1 with a flag raising in front of the Memorial Union, adjacent to Fogler Library. The ceremony will be followed by a reception and catered lunch in the Bangor Room of the Memorial Union. Throughout February, the UMaine Black Student Union and Office of Multicultural Student Life will host Lunch and Learn presentations, Friday Socials and a Soul Food Festival. A variety of films, workshops and panels also will be offered throughout the month. Lunch and Learn events will be held at noon Feb. 6 and 20 in the Office of Multicultural Student Life, Room 302, Memorial Union. The discussions will give students the opportunity to engage with successful individuals of color from Maine and the region. Other scheduled activities include:

- Reading of Dr. King’s “Letter from a Birmingham Jail,” 6 p.m. Jan. 29 at the Wilson Center
- Wilson Center dinner, “Dr. King’s Vision of Community Today: The ‘Poor People’s Campaign’ in 2019,” 6 p.m. Feb. 6 at the Wilson Center
- Kickin’ Flicks, “BlacKkKlansman,” 8 p.m. Feb. 6 and 9; “Creed II,” 8 p.m. Feb. 20 and 23, Bangor Room, Memorial Union
- Workshop on “Grit and Resilience as an Emerging Leader,” 12:30 p.m. Feb. 7, Bangor Room, Memorial Union
- LGBT Tea Party, 2 p.m. Feb. 7 and 21, Rainbow Resource Center, Room 224, Memorial Union
- Friday Social, featuring food and music, noon Feb. 8, 15 and 22, Office of Multicultural Student Life
- Soul Food Festival, 5 p.m. Feb. 9, Bangor Room, Memorial Union
- Pop-up panel on “Microaggressions,” noon Feb. 12, Bangor Room, Memorial Union
- Marsh Island Common Ground event featuring comedian Arvin Mitchell, 7 p.m. Feb. 22, North Pod, Memorial Union
- “Student Leadership and Action at UMaine” workshop, 10 a.m.–3 p.m. Feb. 23, Memorial Union
- Black History Month Trivia, 7 p.m. Feb. 28 in North Pod, Memorial Union

Black History Month at UMaine is presented by the Office of Multicultural Student Life and Black Student Union and is supported in part by the Cultural Affairs/Distinguished Lecture Series Fund. All events are free and open to the public with the exception of trivia, which is \$10 per team. More information about Black History Month, including a complete schedule, is [online](#). For additional information, email David Patrick, [david.g.patrick@maine.edu](mailto:david.g.patrick@maine.edu).

## **Morning Ag Clips, Turner Publishing preview UMaine Extension beef nutrition workshop**

**29 Jan 2019**

[Morning Ag Clips](#) and [Turner Publishing](#) previewed a University of Maine Cooperative Extension workshop on beef cattle nutrition 11 a.m.–2 p.m. Feb. 20 at the UMaine Extension Oxford County Office in South Paris. Colt Knight, assistant professor and livestock specialist with UMaine Extension, will discuss the basics of corn- and grass-fed beef cattle nutrition. Topics will include digestive anatomy, rumen development, and Body Condition Scoring, according to the articles. Participants will become Beef Quality Assurance certified. The cost is \$5 per person and includes a pizza lunch; financial assistance is available. Participants should register online by Feb. 18. For more information or to request a reasonable accommodation, call 743.6329 or email [extension.oxford@maine.edu](mailto:extension.oxford@maine.edu).

## **KJ reports map created by UMaine students focus of Maine-Wabanaki REACH presentation**

**29 Jan 2019**

The [Kennebec Journal](#) reported a large cloth map of Maine made by University of Maine students in an art education class was the focus of a Maine-Wabanaki REACH interactive presentation in Augusta on Jan. 26. Using the map, the organization presented the history of European colonization in Maine and its impact on the local indigenous people. The map depicts plants and animals native to the land, and is separated into pieces with cuts representing major waterways, the article states. The [Portland Press Herald](#) carried the KJ article.

## **Slate publishes opinion piece by Socolow on Willie Miller**

**29 Jan 2019**

[Slate](#) published an opinion piece by Michael Socolow, an associate professor of communication and journalism at the University of Maine, about the story of former NFL star and Vietnam War veteran Willie Miller. The piece, titled “Why has Los Angeles Rams wide receiver and Vietnam veteran Willie Miller been forgotten by the NFL?”, explored how Miller’s story embodies complex issues of race, trauma of combat, and the relationship between patriotism, sports and social justice, as well as perspectives on communication and true heroics.

## **News Center Maine interviews Hess for report on radon testing at home**

**29 Jan 2019**

[News Center Maine](#) interviewed C. Thomas Hess, a professor of physics at the University of Maine, for a report on new recommendations for radon testing in Maine homes. According to the U.S. Environmental Protection Agency, radon — an odorless, invisible, naturally occurring, radioactive gas — is responsible for about 21,000 lung cancer deaths every year. Maine CDC officials recommend residents of Maine, where 12 of the 16 counties are considered “high air radon areas,” test their home’s air and water for radon every three to five years. “You can’t say, ‘Well this was caused by some mistake.’ The only mistake is we live over soil which has radon in it,” said Hess, who has been researching radon since the 1970s. “Radon in air is going to come in through a couple of different ways. Building materials, through the basement, cracks in the floor; and it can come in through water,” said Hess. Homeowners can use inexpensive test kits, or they can hire a professional to determine whether there are dangerous levels of radon. Aeration systems or activated carbon filters can help with radon in water, and opening windows or using an air-to-air heat exchanger can help with radon in the air.

## **GMRI produces video on Golet’s bluefin tuna research**

**29 Jan 2019**

The [Gulf of Maine Research Institute](#) produced a video about bluefin tuna research by Walter Golet, who is jointly appointed as an assistant research professor with the School of Marine Sciences at the University of Maine and a research scientist with the Gulf of Maine Research Institute. Golet, who studies the populations and life histories of fish, focuses on bluefin tuna, which he said are fascinating because they are large in size, warm-blooded and have a mysterious life history. He noted the term “bluefin” actually refers to three different species — Pacific, Southern and Atlantic bluefin. “One of the best parts about my job is the interconnectedness that I have with management, with assessment and with the actual fishing communities, be they recreational or commercial,” said Golet. “And it’s really a partnership between all of those different facets that makes our research program run. It’s the samples we collect from the industry, it’s the feedback we get from the assessment and management groups as to what they need and where the holes in life history actually exist, and take that information, incorporate it and move forward towards the sustainability of tuna populations in the Atlantic.”

## Kim Crowley: Humanities fellowship recipient finds therapy in poetry

29 Jan 2019

Kim Crowley is an inaugural recipient of the Clement and Linda McGillicuddy Humanities Center (MHC) Undergraduate Fellowship at the University of Maine. The fellowship provides financial support so the senior English major can concentrate on coursework, develop her research project, work collaboratively with peers, participate in interdisciplinary humanities programs, and gain professional skills. The Newport, Oregon native has lived in Maine for four years after moving east with her family to be closer to her eldest sister. “My family ended up going back to the West Coast, but I loved Maine and wanted to stay,” she says. Crowley, who has a focus in professional writing and a minor in marketing, plans to work in communication and development in the nonprofit sector. For her MHC Fellowship project, Crowley melds her experiences with her love of language, research and service. “My Fellowship project is my Honors thesis, ‘The Personal is Poetic: A Case for Poetry Therapy,’” she says. “Essentially, it’s a synthesis of a research-oriented and a creative thesis, creating a holistic view of poetry therapy.” The project was kindled by personal experience. Crowley has written poetry since middle school, using it as a way to “process emotions and get through difficult situations.” “Since I never knew why I was drawn to poetry over other artistic expressions, I wanted to research its clinical uses and compare them to my own, to use it to better understand my experience and vice versa,” she says. “It’s valuable because it feels very personal but at the same time, it could be beneficial to other people.” Crowley credits UMaine’s inclusive, service-oriented culture as an important factor in discovering her career path. “There are so many communities here and such diverse populations among the students; everyone has a place to explore, to develop their own passions — that’s how I found mine,” she says. “It’s a very open and accepting environment.” UMaine’s Honors College was one community that she found especially welcoming. “I love it,” she says. “So many of the opportunities and relationships I’ve built here are thanks to the Honors College. Associate Dean Melissa Ladenheim has been like my college mom, encouraging me to try so many different things. Without her encouragement, I wouldn’t have done nearly as much as I have.” Crowley studied abroad in Ireland and had “the opportunity to read Irish literature in the country where it was written, out in the world connecting texts and place.” And in Orono, she served as the social media intern for the Mandela Washington Fellowship at UMaine. “That summer with the Mandela program was the best summer of my life — I got to travel around Maine with young professionals from different African countries.” The mission of the McGillicuddy Humanities Center is to promote intellectual curiosity and critical reflection, as well as advance teaching, research and public knowledge of the humanities. Crowley says the humanities can provide comfort. “Everything moves so quickly — we’re overloaded with information, going through crises on a daily basis, but having these spaces where you can sit, think and engage in discourse surrounding your interests really grounds you and brings you back to the things that matter,” she says. “It is what makes us human, after all.”

## Nick Rotter-Weller: Californian flourishes in UMaine's climate

29 Jan 2019

Nick Rotter-Weller is an inaugural recipient of the Clement and Linda McGillicuddy Humanities Center (MHC) Undergraduate Fellowship at the University of Maine. The fellowship provides financial support so the senior English major can concentrate on coursework, develop his research project, work collaboratively with peers, participate in interdisciplinary humanities programs, and gain professional skills. Rotter-Weller has a concentration in analytical writing and a minor in political science. He enjoys playing guitar, listening to music and watching soccer, as well as reading, writing and talking politics. Talking politics is what led him to his capstone and MHC Fellowship project — an interpretation of Arthur Miller’s play “A View from the Bridge” that seeks to escape the 20th-century ideological binary of capitalism versus communism. “The idea was a culmination of years of research into political ideology and the Cold War as it relates to drama,” he says. Rotter-Weller has applied to graduate school at UMaine to earn a master’s in English and he plans to teach English at the college level, focusing on the ideological sphere as it intersects with literature. “UMaine has definitely guided me toward my choices,” he says. “I’ve experienced nothing but encouragement for the work I’m doing, and longer, more-sustained projects like this one really prepare me for the work I want to do.” He credits English 170, Introduction to Narrative for solidifying his choice to be an English major. “Plus,” he adds, “[associate professor of English] Dave Kress was just fantastic.” Rotter-Weller also has worked closely with his adviser Richard Brucher, an associate professor of English. “It’s been so helpful, working in a sustained way with someone,” he says. “The academic atmosphere here is open ended in a supportive way. My professors and my adviser trust me and give me the freedom to explore my interests. I’m really grateful for that.” Several years ago, the Palos Verdes Estates, California native was intrigued by the East Coast weather, culture and community, and took a chance and moved to Maine — despite having never experienced a “real” winter. “Everything is different — the culture, the people, the landscape. The weather. That I actually liked the weather surprised me,” he says. For Rotter-Weller, UMaine’s climate has been a welcoming one. “I was worried when I arrived,” he says. “I didn’t know anyone within 100 miles — I had no idea what I’d do for Thanksgiving, but by the time it rolled around, I had three offers.” The mission of the McGillicuddy Humanities Center is to promote intellectual curiosity and critical reflection, as well as advance teaching, research and public knowledge of the humanities. Rotter-Weller appreciates this emphasis on the humanities. “The humanities are what you’re drawn to after your material and physical needs are met,” he says. “The name is apt — it’s a uniquely human thing. It’s valuable and people gravitate toward it.”

## Maine 4-H Foundation purchases Greenland Point Center in Princeton

29 Jan 2019

With the help of numerous donations, Maine 4-H Foundation has purchased the 64-acre Greenland Point Center in Princeton, Maine. The center, located on a peninsula in Long Lake in Washington County, was a children’s camp for many years. With some facility upgrades and new educational and recreational equipment, the property is expected to open next spring as a youth camp, focused on outdoor education, ecology and conservation. “We are very excited about the property and want to thank all of our wonderful donors



that helped make this purchase happen,” says Carla Lafayette, Maine 4-H Foundation board president.

Donors on the project who helped raise the initial \$350,000 to purchase the property include the estate of Jay Stager, the Bolger Foundation, Quimby Family Foundation, John T. Gorman Foundation, Maine Community Foundation through a donor-directed fund, the estate of Harold H. Brown, First National Bank, Machias Savings Bank, Bangor Savings Bank and many individual contributors, including a generous anonymous donor. USDA Rural Development funding also provided a generous grant toward the project. Maine 4-H Foundation is now working on raising an additional \$350,000 for the necessary facility upgrades, including utilities and septic system, and the purchase of new educational and outdoor equipment and supplies. Fundraising for this project is part of the University of Maine’s \$200 million Vision for Tomorrow comprehensive campaign. The new facility has recently been approved by the University of Maine System Board of Trustees to become the new University of Maine 4-H Camp and Learning Center at Greenland Point. The camp will join three other UMaine 4-H Camp and Learning Centers at Blueberry Cove, Bryant Pond and Tanglewood. To learn more about the Greenland Point project, contact Susan Jennings, Maine 4-H Foundation executive director, 207.615.7300, [susan.jennings@maine.edu](mailto:susan.jennings@maine.edu); Ryder Scott, director of 4-H Camp and Learning Centers, 207.665.2068, [ryder.scott@maine.edu](mailto:ryder.scott@maine.edu); or Jen Lobley, Extension professor, Washington County, 207.255.3345, [jennifer.lobley@maine.edu](mailto:jennifer.lobley@maine.edu). Contact: Margaret Nagle, 207.581.3745

## Annual UMaine Career Fair to be held Feb. 6

30 Jan 2019

The University of Maine Career Center will host the annual UMaine Career Fair 10 a.m.–3 p.m. Feb. 6 at the New Balance Student Recreation Center on campus. The fair will host 170 employers from Maine and around the country with job and internship opportunities. Several graduate and professional schools, as well as branches of the military, also will be represented. Students attending the fair are advised to dress professionally, bring resumes, prepare a 30-second introductory pitch and research the companies they plan to speak with before attending. Those attending the fair are encouraged to download the “Jobs and Careers by Symplicity” app available on Apple’s App Store and Google Play. The app allows students to filter participating employers by available positions and preferred majors. Students also should bring their MaineCard to sign in at the fair; a manual sign-in system will be available for nonstudents. Also available at the Career Fair will be the spring 2019 Maine Employer Hiring Guide, compiled by the University of Maine System. The [first edition](#) of the guide was available last fall. A news release about the guide is [online](#). The UMaine Career Fair is the largest career fair in the state. The event is held each year for UMaine and University of Maine at Machias students and alumni of all majors. It is open to the public, and students from colleges and universities around the state are welcome to attend. About 1,000 students are expected at this year’s event. The fair is underwritten by Bangor Savings Bank, Camden National Bank and Emera Maine, with additional support from several area sponsors. More information, including a [list](#) of participating employers and Career Fair [tips](#), is available [online](#) or by contacting Crisanne Blackie at [cblackie@maine.edu](mailto:cblackie@maine.edu) or 581.1355. The snow date for the event is Feb. 13.

## Republican Journal reports Koehler to speak Feb. 16

30 Jan 2019



[The Republican Journal](#) reported Glen Koehler, associate scientist of integrated pest management with University of Maine Cooperative Extension, will give a talk on “Farm Response to Changing Weather” at the annual winter potluck of the Waldo County Extension Association on Feb. 16 at United Farmers Market of Maine in Belfast. All area farmers and growers are invited to the potluck, which will begin at 4 p.m. with Koehler’s presentation beginning at 5 p.m., according to the article. Snow date is Feb. 23. For more information or to request a reasonable accommodation, contact Rick Kersbergen, 342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

#### **Media cite Climate Reanalyzer in reports on polar vortex**

**30 Jan 2019**

The Associated Press, [USA Today](#), [The Weather Channel](#), [Forbes](#), [Brisbane Times](#), [The Irish Times](#), [The New Zealand Herald](#), [Belfast Telegraph](#) and [Bangor Daily News](#) cited the University of Maine’s Climate Reanalyzer in reports on weather events in the United States linked to the polar vortex. Recent winter storms and extreme cold do not disprove climate change, the reports state. The world as a whole was 0.7 degrees warmer on Jan. 28 and 0.5 degrees warmer on Jan. 29 than the 1979–2000 average, according to the Climate Reanalyzer. [Rapid City Journal](#), [Scottsbluff Star Herald](#) and [The Florida Times-Union](#) carried the AP report.

#### **Times Record previews bicentennial talk by Riordan Feb. 8**

**30 Jan 2019**

[The Times Record](#) previewed a free Feb. 8 presentation by Liam Riordan, a professor of history at the University of Maine, on the roots of statehood in advance of Maine’s bicentennial in 2020. Riordan will speak at 6:30 p.m. at the Unitarian Universalist Church in Brunswick. According to the article, “Bicentennial Beginnings: Setting the Stage for Statehood” will explore four issues that affected the separation of Maine from Massachusetts in 1820 and Maine’s history since: sharp partisan conflict and the “two Maines”; race, slavery and the Maine-Missouri crisis; Wabanaki sovereignty; and the international border between Maine and Canada. The talk is co-sponsored by the Pejepscot Historical Society and the Longfellow Days program, a monthlong event series in Brunswick honoring Henry Wadsworth Longfellow, whose family had close ties to the origins of Maine statehood. Riordan helped create UMaine’s McGillicuddy Humanities Center in 2010 and was instrumental in bringing Maine National History Day to the UMaine campus, the article states. He currently is organizing a public conference to commemorate the bicentennial May 31–June 1 at UMaine; more information about the conference is [online](#). [The Forecaster](#) also mentioned Riordan’s talk in an article about Brunswick’s Longfellow Days.

#### **Community reminder: Take steps to prevent the flu**

**30 Jan 2019**

[Influenza](#) has been confirmed in all 16 counties in Maine, according to the Maine Center for Disease Control and Prevention (Maine CDC). Members of the University of Maine community are reminded that it is not too late to get vaccinated. Vaccination can reduce illness and prevent hospitalization and death. Influenza vaccination is strongly encouraged throughout the season and is still widely available. Maine CDC recommends the following preventative measures:

- Wash your hands frequently to prevent transmission of influenza.
- Cover your cough: Use tissues, or cough into your sleeve.
- Stay home when you are sick: Symptomatic individuals should remain home until 24 hours after fever resolves without the use of medications.
- Get vaccinated: Maine CDC recommends vaccination for everyone aged 6 months and older, especially for those people who are at high risk of serious complications from the flu. Influenza vaccine is provided at no cost by the state of Maine for children under the age of 19 years. The vaccine, which offers protection in 14 days, is still available through school-sponsored clinics, health care providers, and many local pharmacies.

#### **Dagher to give update on floating offshore wind project Feb. 6**

**31 Jan 2019**

Habib Dagher, executive director of the Advanced Structures and Composites Center at the University of Maine, will provide an update Feb. 6 to the UMaine community on a floating offshore wind project aimed at developing a clean, renewable energy source off Maine’s coast. Dagher, the principal investigator of the Aqua Ventus offshore wind program, will present “Powering up: Maine’s opportunity to lead on clean energy jobs and climate change,” at 2:30 p.m. in Neville Hall, Room 101. His talk will be followed by a question-and-answer session. Offshore wind energy represents Maine’s largest untapped renewable energy resource. For more than 10 years, UMaine has developed and patented the VoltturnUS floating concrete hull technology that can support wind turbines in water depths of 150 feet or more. UMaine’s Advanced Structures and Composites Center was awarded a \$40 million milestones-based grant from the United States Department of Energy to deploy two 6 MW floating turbines 14 miles off the Maine coast.

#### **Rosenbaum recent guest on Maine Public’s ‘Maine Calling’**

**31 Jan 2019**

Judith Rosenbaum, an assistant professor of communication and journalism at the University of Maine, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. The show’s topic was the pros and cons of using Facebook, including issues of privacy and election interference, and the platform’s future.

#### **Crandall speaks with WVH about University of Maine Day at Statehouse**

**31 Jan 2019**

Mindy Crandall, an assistant professor of forest landscape management and economics at the University of Maine, spoke with [WVH](#) (Channel 7) about University of Maine Day at the Maine Statehouse in Augusta Jan. 29. Students, faculty and staff from UMaine, including some from the institution’s College of Natural Sciences, Forestry, and Agriculture and Cooperative Extension, spent the day talking with lawmakers, according to the report. “It’s our job to serve the needs of this state and the best way that we figure out what the state needs [is] by going and meeting with people,” Crandall said. “These are the people who know what their constituents’ issues are, so it’s a great way for us to interface with them, to get information about what the state is thinking its needs are and how we can help.”

#### **BDN, MaineBiz report Maine 4-H Foundation purchases land for new camp in Princeton**

**31 Jan 2019**

The [Bangor Daily News](#) and [MaineBiz](#) reported the Maine 4-H Foundation has purchased the 64-acre Greenland Point Center in Princeton. The foundation plans to convert the land, which previously was a children’s camp for many years, into a new camp for University of Maine Cooperative Extension 4-H, according to the articles. Located on a peninsula in Long Lake, the camp will be one of four UMaine 4-H Camp and Learning Centers, joining existing locations at Blueberry Cove in St. George, Bryant Pond in Woodstock and Tanglewood in Lincolnville. According to MaineBiz, the property is expected to open next spring as the University of Maine 4-H Camp and Learning Center at Greenland Point, a youth camp focused on outdoor education, ecology and conservation. The initial \$350,000 purchase was supported by donors and a USDA Rural Development Grant. As part of UMaine’s \$200 million Vision for Tomorrow campaign, fundraising is ongoing for an additional \$350,000 to support necessary facility upgrades and the purchase of new educational and outdoor equipment and supplies, MaineBiz reported.

#### **Sandweiss co-writes monograph, delivers talks in Georgia, Denmark**

**31 Jan 2019**

Dan Sandweiss, professor of anthropology and climate studies, co-wrote a short monograph on the analysis of animal remains and climate change from Siches, an early-to-middle Holocene fishing site he excavated in northern Peru. [“Fishing on the Frontier: Vertebrate Remains from Amotape, Siches, and Honda Phase Occupations at Sitio Siches \(Pv 7-19\), Perú,”](#) is in the Florida Museum of Natural History Bulletin 56(4):109-181. Authors are Elizabeth J.Reitz, Sandweiss and Nicole R. Cannarozzi. In mid-January, Sandweiss gave an invited lecture at the University of Georgia titled “Climate, Catastrophe, Collapse? Using Climatic and Cultural History to Understand El Niño’s Role in Ancient Peru.” And in October, he was an invited participant at a workshop on Catastrophes



in Context in Aarhus, Denmark. He spoke about “El Niño as Catastrophe on the Peruvian Coast.”

#### University of Maine announces fall 2018 Dean’s List

31 Jan 2019

The University of Maine recognized 2,388 students for achieving Dean’s List honors in the fall 2018 semester. Of the students who made the Dean’s List, 1,666 are from Maine, 669 are from 34 other states and 53 are from 25 countries other than the U.S. Listed below are students who received Dean’s List honors for fall 2018, completing 12 or more credit hours in the semester and earning a grade point average of 3.5 or higher. [Also available is a breakdown of the Dean’s List by Maine counties.](#) *Note that some students have requested that their information not be released; therefore, their names are not included.*

Last name	First name	City	State	Country
Abbott	Marshall	Portland	ME	
Abendroth	Till	Recklinghausen		Germany
Aberle	Tanner	Springfield	VT	
Acharya	Arnav	Biratnagar		Nepal
Acheson	Erin	Arundel	ME	
Acheson	Julianna	Andover	MA	
Ackley	Matt	Rockport	ME	
Adams	Mary	Gorham	ME	
Adams	Molly	Caribou	ME	
Adams	Oliver	Cumberland Center	ME	
Adams	Tom	Falmouth	ME	
Adaschik	Allie	Salem	NH	
Agneta	Dominic	Windham	ME	
Agor	Gwen	Surry	VA	
Aiken	Cam	Falmouth	MA	
Aiken	Chloe	Westford	MA	
Aiken	Kara	Westford	MA	
Al Qahtani	Nasser	Al-Hofuf		Saudi Arabia
Albanese	Joelle	Frenchtown	NJ	
Alboum	Steve	Hillsborough	NJ	
Aldrich	Matthew	Windham	ME	
Alexander	Jared	Gardiner	ME	
Allie	Carigan	Scarborough	ME	
Almarzooq	Hussain	Saihat		Saudi Arabia
Alqahtani	Bandar	Orono	ME	
Alqahtani	Mashari	Orono	ME	
Altwater	Nolan	Old Town	ME	
Alvarez	Nick	South Portland	ME	

Amato	Anthony	Westford	MA	
Amico	Megan	Framingham	MA	
Andersen	Emilie	Orono	ME	
Anderson	Charlotte	Smallwood		United Kingdom
Anderson	Greta	Jeffersonville	VT	
Anderson	Gus	Phippsburg	ME	
Anderson	Jessie	Merrimac	MA	
Andrade	Meghan	Sutton	MA	
Angelo	Edward	Troy	ME	
Annis	Abigail	Rockport	ME	
Anzures Uroza	Eduardo	South Portland	ME	
Archambault	Griffin	Wayland	MA	
Archer	Rebecca	Gray	ME	
Ardans	Christine	Calhan	CO	
Armistead	Dawson	Bangor	ME	
Armstrong	Francesca	Easton	ME	
Arnold	Corbett	Lincoln	ME	
Arnold	Devan	Old Town	ME	
Arsenault	Andrew	Rumford	ME	
Arsenault	Ray	Amesbury	MA	
Arthur	Danielle	Canton	MA	
Artkop	Mikayla	Searsmont	ME	
Arya	Nishchay	Bangor	ME	
Asche	Romaan	Orono	ME	
Ashe	Nicole	Williamstown	VT	
Asher	Jonah	Chester	NH	
Ashey	Noah	Bangor	ME	
Ashley	Bethany	Buxton	ME	
Aubut	Katlyn	Pembroke	MA	
Auffant	Jason	Chebeague Island	ME	
Austin	Kaleb	Skowhegan	ME	
Austin	Sierra	Norwich	CT	
Avena	Sydney	East Lyme	CT	

Averill	Collin	Brewer	ME	
Ayotte	Stephanie	Saco	ME	
Babbidge	Ellen	Bangor	ME	
Baber	Makenzie	Veazie	ME	
Backstrom	Sadie	Middleton	MA	
Bacon	Paige	Hermon	ME	
Baert	Nate	North Waterboro	ME	
Baez	Alan	Waterville	ME	
Bagley	Cedar	Milford	ME	
Bagley	Grace	Belfast	ME	
Bailey	Maddy	Holden	ME	
Bailey	Nicole	Nepean	ON	Canada
Baker	Erin	Viroqua	WI	
Baker	Sarah	Glenburn	ME	
Baldwin	Connor	Hollis Center	ME	
Ball	Rileah	West Glover	VT	
Ballard	Brianna	Veazie	ME	
Ballesteros	Samantha	Brewer	ME	
Balsley	Kayla	Summit	NJ	
Bangs	Madi	South Paris	ME	
Banker	Mary	Old Town	ME	
Banks	Nicolas	Parempuyre		France
Baratta	Sydney	Elbridge	NY	
Barbour	Julia	Rockland	ME	
Bard	Logan	Bangor	ME	
Barker	Ashley	Levant	ME	
Barnes	Ridge	Old Town	ME	
Barnett	Emily	North Monmouth	ME	
Barra	Kira	Dillingen		Germany
Barry	Kyle	Hampden	ME	
Barry	Trevor	Pepperell	MA	
Bart	Juliana	Portland	ME	

Bartash	Bailee	Lincoln	ME	
Basile	Matthew	Saco	ME	
Bastidas	Eric	Blairstown	NJ	
Bates	Silas	Brooksville	ME	
Batron	Rebecca	Exeter	ME	
Bauer	Chris	Merrimac	MA	
Baumann	Elizabeth	Bucksport	ME	
Baxter	Silvia	Cumberland Center	ME	
Bayer	Molly	Tolland	CT	
Beal	Sierra	Tenants Harbor	ME	
Beals	Allie	Chelmsford	MA	
Beaudoin	Samuel	Acton	ME	
Beaulieu	Caitlyn	Gorham	ME	
Beccia	Willow	Northborough	MA	
Becker	Samuel	Saint Paul	MN	
Beckshaw	Marie	Haverhill	MA	
Beckwith	Andrew	Winslow	ME	
Beebe	Connor	Reading	PA	
Begic	David	Zadar		Croatia
Begin	Noah	Damariscotta	ME	
Behan	Jamie	Seekonk	MA	
Belair	Brianna	Bow	NH	
Beland	Jillian	Readfield	ME	
Belanger	Ciera	Lewiston	ME	
Belanger	Ethan	Sanford	ME	
Belanger	Kirstie	Skowhegan	ME	
Belanger	Marissa	Milford	NH	
Belanger	Paige	Fairfield	ME	
Bell	Katie	Newport	ME	
Bellefleur	Alexis	Auburn	ME	
Belleville	Hannah	Salem	CT	
Beltz	Alexandra	Sleepy Eye	MN	
Belvin	Morgan	Rochelle Park	NJ	

Bender	Ally	Seal Harbor	ME	
Bendo	Klei	Tirana		Albania
Benedix	Logan	Mexico	ME	
Beneduci	Zach	Troy	NY	
Beneski	Jessica	Revere	MA	
Bennett	Abigail	Brewer	ME	
Bennett	Dalena	Westbrook	ME	
Bennett	Drew	Brewer	ME	
Bennett	Eliza	Windham	ME	
Bennett	Kayla	Somers	CT	
Bennett	Madison	Hampden	ME	
Bennett	Molly	Falmouth	ME	
Benning	Montana	Waterloo	WI	
Bennoch	Connor	West Bath	ME	
Bennotti	Chris	Medfield	MA	
Benoit	Dylan	Southbury	CT	
Benson	Brawley	Greenbush	ME	
Benttinen	Hunter	Pittsfield	ME	
Beressi	Cam	Portland	ME	
Bergdoll	Abi	Burnham	ME	
Bergeron	Haley	Parkman	ME	
Bergeron	Jess	Old Town	ME	
Berghoff	Sonia	Easthampton	MA	
Berimbau	Samantha	Woburn	MA	
Bernheim	Lilja	South China	ME	
Bernier	Abby	Pittsfield	ME	
Bernier	Al	Waterville	ME	
Bernier	Kyle	Sidney	ME	
Bernier	Tyler	Westbrook	ME	
Bertin	Ryan	Gorham	ME	
Bertrand	Marshal	Hubbardston	MA	
Berube	Peter	Andover	MA	
Bess	Evan	Madison	ME	

Besette	Wendy	Mystic	CT	
Besette	William	Feeding Hills	MA	
Biagini	Claudia	North Weymouth	MA	
Bickford	Will	Belfast	ME	
Biela	Kimberly	Southington	CT	
Bierman	Madeline	Sorrento	ME	
Bilodeau	Andrew	Lewiston	ME	
Bilodeau	Cam	Arundel	ME	
Binette	Maliyan	Milford	ME	
Birden	Christopher	Fort Kent	ME	
Bishop	Jenna	Bangor	ME	
Bista	Bivek	Damak		Nepal
Biswas	Oisin	Brewer	ME	
Blackdeer	Emma	Madison	WI	
Blaine	Steven	York	ME	
Blanchard	Dawsin	Gray	ME	
Blanchette	Jonny	New Canada	ME	
Blanke	Brianna	Glenburn	ME	
Blankenship	Forrest	Brunswick	ME	
Blatt	Tobyn	Brunswick	ME	
Blood	Ben	Orono	ME	
Bloom	Jacob	Scarborough	ME	
Bloomer	Tim	Hopkinton	MA	
Blouin	Ian	Etna	ME	
Boardman	Peter	Madison	ME	
Bock	Gabrielle	New Boston	NH	
Boisvert	Noah	Cumberland Center	ME	
Bolduc	Andrew	Oakland	ME	
Bolduc	Connor	Bowdoin	ME	
Bolduc	Kellie	Waterville	ME	
Bolduc	Samantha	Lisbon Falls	ME	
Bolender	Dan	East Waterboro	ME	
Bonarrigo	Lili	Rockland	ME	



Bonner	Matthew	Haverhill	MA	
Bonneville	Lucie	Belfast	ME	
Bonney	Rachel	Oxford	MA	
Boomer	Rebekah	Hampden	ME	
Boomer	Sarah	Hampden	ME	
Boone	Christian	Glenburn	ME	
Boone	Lucy	Beaumont	TX	
Boos	Meghan	Naples	ME	
Borges	Lindsey	Franklin	NH	
Bosquet	Randy	Otisfield	ME	
Bosworth	Daria	Naples	ME	
Boudreau	Dylan	Old Orchard Beach	ME	
Boudreau	Jacob	South China	ME	
Bouffard	Connor	Biddeford	ME	
Bourassa	Elise	Westbrook	ME	
Bourgeois	Evan	Williston	VT	
Bourque	Ashlyn	Biddeford	ME	
Boutaugh	Caryn	Millinocket	ME	
Boutot	Hunter	Old Orchard Beach	ME	
Bowden	Emma	West Chatham	MA	
Bowen	C.J.	Plaistow	NH	
Bowen	Cagney	Orono	ME	
Bowen	Hunter	Windham	ME	
Bower	Nicholas	Orrington	ME	
Bowie	Jordan	Windsor	ME	
Bowie	Tom	Orono	ME	
Bowker	Jaycob	Eddington	ME	
Bowman	Christina	Woolwich	ME	
Boynton	Cassidy	Thomaston	ME	
Bozzelli	Racquel	Dover-Foxcroft	ME	
Brace	Kayla	Lewis Lake	NS	Canada
Bradbury	Clark	Bridgewater	ME	

Bradenday	Finn	Peaks Island	ME	
Bradshaw	Jacob	Berwick	ME	
Bradstreet	Erin	Brunswick	ME	
Bradstreet	Olivia	Palermo	ME	
Braga	Sam	Rehoboth	MA	
Bragg	Lily	Jefferson	ME	
Braley	Taylor	Alton	ME	
Brann	Autumn	Augusta	ME	
Brann	Kaylee	Benton	ME	
Bray	Ryan	Cumberland Center	ME	
Bresnahan	Andrea	Maynard	MA	
Brett	Courtney	Portland	ME	
Brewer	Erin	Poland	ME	
Brewer	Matthew	Corinth	ME	
Brickman	Lily	Fort Kent	ME	
Bridges	Tyler	Baring Plantation	ME	
Brinn	Declan	Searsmont	ME	
Brittingham	Bobby	Portland	ME	
Britton	Alex	Falmouth	ME	
Britton	Jack	Falmouth	ME	
Broden	William	Lunenburg	MA	
Brodt	Alison	Oak Brook	IL	
Bromley	Alex	Voorhees	NJ	
Brooks	Drew	Lyman	ME	
Brooks	Kelsey	Cushing	ME	
Brooks	Rachel	Clifton	ME	
Brown	Caden	Manchester	ME	
Brown	Erin	Bangor	ME	
Brown	Justin	Ellsworth	ME	
Brown	Kendall	Allison Park	PA	
Brown	Molly	Bar Harbor	ME	
Brown	Zoe	South Portland	ME	

Brunton	Chris	Old Town	ME	
Bryant	Cole	Topsham	ME	
Bryant	Nathan	Cumberland Center	ME	
Buchanan	Morgan	Orono	ME	
Buckley	David	Greene	ME	
Buckley	Nica	Ballston Spa	NY	
Budway	Emma	Scarborough	ME	
Bullard	Danny	Alfred	ME	
Bullard	Tim	Wells	ME	
Bunker	Danny	Bucksport	ME	
Burby	Sarah	Winterport	ME	
Burch	Madison	Bath	ME	
Burgason	Johanna	Old Town	ME	
Burgess	Samuel	Lexington	KY	
Burgess	Sydney	North Berwick	ME	
Burkard	Alyssa	Searsport	ME	
Burkard	Jay	Orono	ME	
Burke	Christopher	Norwell	MA	
Burke	Jeffrey	Bangor	ME	
Burke	Nathaniel	North Chelmsford	MA	
Burke-Monsanto	Kiana	Nahant	MA	
Burnell	Jack	Windham	ME	
Burnham	Ashley	Farmington	ME	
Burns	Delaney	Gorham	ME	
Burns	Emily	Hermon	ME	
Burris	Amber	Orrington	ME	
Burtis	Max	Brunswick	ME	
Bush	Caroline	Holden	ME	
Bushey	Marty	Biddeford	ME	
Bussiere	Chantal	Norwood	MA	
Butler	Cole	Orono	ME	
Butler	Kendall	Harwinton	CT	
Butler	Yonas	Watertown	MA	

Buttarazzi	Jake	Arundel	ME	
Buzby	Noa	Southampton	PA	
Buzzell	Rae	Brunswick	ME	
Buzzell	Shannon	Monmouth	ME	
Buzzelli	Angelina	Charleston	ME	
Byers	Ryan	Hermon	ME	
Byram	Samantha	Old Orchard Beach	ME	
Byrne	Emilia	Kittery	ME	
Byron	Christopher	North Yarmouth	ME	
Cadran	Emma	New Gloucester	ME	
Cadran	Haley	New Gloucester	ME	
Cahill	Sean	Yarmouth	ME	
Cahoon	Skye	Wrentham	MA	
Campbell	Brody	Mariaville	ME	
Campbell	Haley	Winslow	ME	
Campbell	Madison	Dedham	ME	
Campion	Ryan	Kittery	ME	
Car	Noah	Hobe Sound	FL	
Carlson	Aidan	Wiscasset	ME	
Carlson	Lydia	Kittery	ME	
Carlson	Maeve	Wiscasset	ME	
Carney	Lara	Bangor	ME	
Caron	Lydia	Glenburn	ME	
Caron	Vanessa	Sanford	ME	
Carrier	Grant	Harpwell	ME	
Carroll	Cassandra	Enfield	CT	
Carroll	Maeve	Oakton	VA	
Carroll	Nathan	Millville	MA	
Carter	Amanda	Bucksport	ME	
Carter	Bailey	Fairfield	ME	
Cartonio	Sophia	Westbrook	ME	

Caruso	Alyssa	Kenduskeag	ME	
Caruso	Kendra	Hudson	ME	
Casey	Julia	Brunswick	ME	
Casey	Liam	Dover-Foxcroft	ME	
Cashman	Andrew	Scarborough	ME	
Cashman	Sean	Old Town	ME	
Cass	Kevin	Cumberland Foreside	ME	
Cassidy	Matt	Milford	CT	
Castro	Dante	New Gloucester	ME	
Caswell	Annabelle	Norwich	CT	
Cateon	Aleah	Westport	MA	
Cedor	Hailey	North Kingstown	RI	
Cekada	Samuel	West Bath	ME	
Cha	SooZin	Little Deer Isle	ME	
Chagnon	Simone	Eliot	ME	
Chamard	Sara	Falmouth	ME	
Chamberland	Kevin	Winthrop	ME	
Champagne	Lizzy	Poland	ME	
Chapman	Adam	Gorham	ME	
Chapman	Carroll	Embden	ME	
Chapman	Sophia	San Jose	CA	
Charlebois	Caleigh	Orono	ME	
Charpentier	Lily	Naples	ME	
Charrier	Megan	Sanford	ME	
Chase	Jordan	Topsham	ME	
Chasse	Benjamin	Hampden	ME	
Chasse	Nicole	East Millinocket	ME	
Chen	Rita	Port Jefferson	NY	
Chen	Yixuan	Guangzhou		China
Cheng	Peng	Ashland	ME	
Chick	Kaitlyn	Readfield	ME	
Chiles	Jamie Leigh	Windham	ME	

Chin	Jade	Madison	CT	
Chouinard	Nic	Bucksport	ME	
Christiansen	Catherine	Naples	ME	
Christianson	Devin	Bangor	ME	
Ciaffaglione	Aiden	Southington	CT	
Ciance	Michael	Contoocook	NH	
Cianchette	Erin	Falmouth	ME	
Ciesielski	Kate	Duxbury	MA	
Cilfone	Gabrielle	Torrington	CT	
Clachar	Ariel	Strafford	NH	
Clark	Emma	Saco	ME	
Clark	Jacob	Old Town	ME	
Clark	John	Windham	ME	
Clark	Josh	Brunswick	ME	
Clark	Taylor	Glenburn	ME	
Clark Bonsant	Ally	Vassalboro	ME	
Clarke	Emily	Acton	ME	
Clasby	Michael	Canton	MA	
Claus	Kyle	South Berwick	ME	
Clavette	Renee	South Berwick	ME	
Clayboss	Allie	Austin	TX	
Cleary	Julia	Wakefield	MA	
Cleary	Spencer	Marstons Mills	MA	
Clemens	Jen	Bar Harbor	ME	
Clement	Andy	Falmouth	ME	
Clement	Cassidy	Skowhegan	ME	
Clement	Evie	Falmouth	ME	
Cleworth	Calvin	Schenectady	NY	
Clifford	Jaimi	Augusta	ME	
Cline	Hunter	Gilead	ME	
Closson	Christina	Bernard	ME	
Cloutier	Averie	Greene	ME	
Cloutier	Troy	Waterboro	ME	



Cmar	Leeanna	Bow	NH	
Cobotic	Sam	Douglaston	NY	
Cogley	Peter	Roxbury	ME	
Cohen	Sophie	Warren	ME	
Colby	Marybeth	Gloucester	MA	
Cole	Kelsey	York	ME	
Coleman	Aiden	Wakefield	MA	
Collier	Caroline	Charlestown	MA	
Collins	Claire	Enfield	CT	
Collins	Olivia	Billerica	MA	
Colter	Emily	Hampden	ME	
Comeau-Waite	Lily	Leeds	ME	
Comfort	Hannah	Winslow	ME	
Comrie	Michael	Wallingford	CT	
Comtois	Abigail	Warwick	RI	
Conant	Jack	Orono	ME	
Conant	Jenna	Rockland	ME	
Conant	Jill	Canton	ME	
Conant	MacKenzie	Old Town	ME	
Conley	James	Standish	ME	
Connelly	Joe	Vassalboro	ME	
Connelly	Katie	Cape Elizabeth	ME	
Connolly	Iris	Agoura Hills	CA	
Connolly	Roger	South Berwick	ME	
Connor	Mackenzie	Cotuit	MA	
Conroy	Ashley	Franklin	MA	
Conti	Michael	Norfolk	MA	
Conway	Maia	Rutland	VT	
Conway	Ryan	Cornville	ME	
Cook	Jacquelyn	Lancaster	PA	
Coombs	Samantha	Cornville	ME	
Cooper	Ally	Orono	ME	
Cooper	Jocelyn	Boxford	MA	

Cooper	Karissa	Torrington	CT	
Cooper	Mackenzie	Acton	MA	
Corey	Taylor	Plainville	MA	
Corless	Bailey	Wallingford	CT	
Cormier	Maria	Sullivan	ME	
Cornish	Carly	Topsham	ME	
Correale	Jessica	Bangor	ME	
Cosgrove	Sydni	Bangor	ME	
Cossette	Emma	Quebec	QC	Canada
Costigan	Julie	Cold Spring	NY	
Costin	Shea	South Berwick	ME	
Cote	Alexis	Madawaska	ME	
Cote	Cam	Sanford	ME	
Cote	Jacob	Brewer	ME	
Cote	Sam	Pawtucket	RI	
Cotnoir	Courtney	Brewer	ME	
Cotton	Ben	Glenburn	ME	
Cotton	Jared	Framingham	MA	
Cotton	Katie	Glenburn	ME	
Coulombe	Daniel	Saint Agatha	ME	
Courser	Madi	Warner	NH	
Couture	Brian	South Berwick	ME	
Cowan	Grace	New Portland	ME	
Cox	Chessie	Boston	MA	
Cox	Gabriella	Orono	ME	
Cox	Matthew	Bar Harbor	ME	
Cox	Shana	Bristol	CT	
Cox	Tom	Orono	ME	
Coyle	Cormac	Lebanon	NH	
Coyne	Emily	North Yarmouth	ME	
Craig	Gabrielle	Old Town	ME	
Craig	Jovon	Brewer	ME	
Craig	Lucas	Ashland	ME	

Cramer	Charles	West Palm Beach	FL	
Cramer	James	Bangor	ME	
Crane	Christian	Linneus	ME	
Crawford	Loreli	Orono	ME	
Creamer	Mac	Chelsea	ME	
Cressey	Anna	Kennebunk	ME	
Crinnion	Ben	Madison	CT	
Crispin	Rose	Wilmington	MA	
Croce	Allison	Orono	ME	
Crockett	Dylan	Smyrna Mills	ME	
Crockett-Current	Sophia	Saco	ME	
Croft	Austin	Old Town	ME	
Cronin	Garrett	York	ME	
Cronin	Hanna	Methuen	MA	
Cross	Aska	Bangor	ME	
Crouse	Bryan	Westbrook	ME	
Crowley	Jamie	Orono	ME	
Crowley	Kim	Old Town	ME	
Crucianelli	Paula	Westbrook	ME	
Crumrine	Katie	Oakland	ME	
Cullinane	Grace	Enfield	NH	
Cummings	Caid	Brewer	ME	
Cummings	Claudia	Indian Island	ME	
Cummings	Julia	Brewer	ME	
Curley	Aidan	Rowley	MA	
Curtice	Mackenzie	West Barnstable	MA	
Curtis	Brooke	Skowhegan	ME	
Curtis	Hunter	Richmond	ME	
Curtis	Victoria	Belfast	ME	
Cushman	Jaycee	Mercer	ME	
Cushman	Russ	Bryant Pond	ME	
Cushman	Rylee	Hermon	ME	

Cyr	Alec	Caribou	ME	
Cyr	Gabriela	Saint Agatha	ME	
Cyr	Harrison	Brunswick	ME	
Cyr	Jake	East Waterboro	ME	
Cyr	Jameson	Brunswick	ME	
Cyr	Kallie	Westbrook	ME	
Cyr	Shaylyn	Glenburn	ME	
Dagher	Anna	Veazie	ME	
Dagher	Joseph	Veazie	ME	
Daigle	Alex	Madawaska	ME	
Daigle	Courtney	Madawaska	ME	
Daley	Kirsten	Biddeford	ME	
Dallman	Aaron	Bangor	ME	
Dalton	Elizabeth	Lamoine	ME	
Daly	Courtney	Scarborough	ME	
Damboise	Oliviah	Old Town	ME	
Damon	Bri	Sumner	ME	
Damuck	Ellie	Stockton Springs	ME	
Danforth	Abbey	Gray	ME	
Danforth	Christopher	West Warwick	RI	
Daniels	Liam	Veazie	ME	
Danner	Alex	Waterville	ME	
Dapprich	Susanna	Lawrence Township	NJ	
Darling	Cailin	Yarmouth	ME	
Darragh	Jade	Bucksport	ME	
Dassow	Tim	Bangor	ME	
Daub	Elyse	Hampden	ME	
Dauphinee	Sam	Bradley	ME	
Davan	Kiley	Freeport	ME	
Davee	Molly	Rockport	ME	
Davey	Erin	Bath		United Kingdom
Davies	Kristin	Groveland	MA	
Davis	Daniel	Dedham	ME	

Davis	Elizabeth	Gray	ME	
Davis	Emily	Bangor	ME	
Davis	Hana	Delta	BC	Canada
Davis	Hayley	Waterville	ME	
Davis	Kelsey	Pittsburgh	PA	
Davis	Mariah	Danville	NH	
Davis	Simon	Bar Harbor	ME	
Davis	Taylor	South Portland	ME	
Davis	Troy	Warner	NH	
Davis	Zach	Groton	CT	
Day	Gracie	Glenburn	ME	
Daye	Faith	Auburn	ME	
Deans	Zoe	Belmont	ME	
DeBenedetto	Jess	Manchester	NH	
Decker	Chris	Westbrook	ME	
Decker	Maddie	Jamison	PA	
Degnan	Ozzy	Orrington	ME	
DeGone	Anthony	Turner	ME	
DeHaas	Abby	Carmel	ME	
Delaney	Amber	Livermore	ME	
Delaney	Jamie	Hollis Center	ME	
Delano	Sarah	Houlton	ME	
Delgado	Hebert	Bangor	ME	
DeLisle	Lilly	Rome	ME	
Delpino	Daniela	Old Town	ME	
DeMello	Ben	Raynham	MA	
Demers	Megan	Gorham	ME	
Demmons	Connor	Boothbay Harbor	ME	
DeMoranville	Madeleine	Exeter	ME	
Denico	Sadie	Standish	ME	
Dennen	Kirsten	Scarborough	ME	
Densmore	Siobhan	Portland	ME	

Dent	Frances	Waukesha	WI	
DePippo	Dominique	Bath	ME	
Derrick	Alyssa	Coventry	RI	
Deschene	Eric	Fort Kent	ME	
Deschenes	Hannah	Brentwood	NH	
Deschenes	Jeffrey	Amesbury	MA	
Deschenes	Tim	Madawaska	ME	
Desgrosseilliers	Michael	Newburg	MD	
Desmond	Evan	Stockholm	ME	
Despres	Abigail	Fayette	ME	
Detwiler	Sean	Arrowsic	ME	
Devoe	Marcus	Naples	ME	
DeWolfe	Jared	North Yarmouth	ME	
Dezii	Paul	Haddon Township	NJ	
Dias	Becky	Old Town	ME	
Dickson	Beth	Bangor	ME	
Dietrich	Lexi	Freeport	ME	
DiFilippo	Ally	Essex Fells	NJ	
DiGirolamo	Jack	Belgrade	ME	
DiLeo	Annalisa	Brookfield	CT	
Dillingham	Julia	Turner	ME	
Dillon	Seth	Madison	ME	
DiMatteo-LePape	Asha	Brattleboro	VT	
DiMinno	David	Brewster	NY	
Dimock	Nate	Madison	ME	
Dinardo	Courtney	Berwick	ME	
Dineen	Maeve	Beverly	MA	
DiSalvatore	Ben	Bangor	ME	
DiSpirito	Dominique	Woonsocket	RI	
Dixon	PhilAnn	Wallingford	PA	
Doak	Sarah	Orrington	ME	
Dodge	Lauren	Orono	ME	
Dodge	Morgan	Orono	ME	

Doe	Stewart	Kennebunkport	ME	
Doherty	Anthony	Marshfield	MA	
Dolan	Kat	Eliot	ME	
Domagala	Mitchell	Ellsworth	ME	
Donahoe	John	Cumberland Foreside	ME	
Donaldson	Allie	Etna	ME	
Dong	Bingying	Belfast	ME	
Donnelly	Ian	Windham	ME	
Donnelly	Jon	Brewer	ME	
Donovan	Emma	Quebec	QC	Canada
Donovan	Zoe	Brunswick	ME	
Dorr	Maddy	McLean	VA	
Dorransoro	Vanessa	Walpole	MA	
Doucette	Olivia	Hampden	ME	
Douglas	Erin	Old Town	ME	
Dow	Delaney	Ellsworth	ME	
Dowd	Shannon	Mendon	MA	
Dowling	Kate	Saco	ME	
Downes	Lena	Sangerville	ME	
Downes	Nick	Old Orchard Beach	ME	
Downey	Declan	Dedham	MA	
Doyle	Abby	South Berwick	ME	
Doyle	D.J.	Andover	CT	
Doyle	Jillian	Wilmington	MA	
Doyle	Kellen	Orono	ME	
Doyon	Eedy	Portland	ME	
Drews	Kelby	Hollywood	FL	
Drinkwater	Nicholas	North Billerica	MA	
Driscoll	Anna	Scarborough	ME	
Driscoll	Megan	Chelmsford	MA	
Driscoll	Sean	Haverhill	MA	
Drown	Susannah	Orono	ME	

Dubay	Cam	Orono	ME	
Dube	Katie	Arundel	ME	
Dube	Meagan	Caribou	ME	
Dubuc	Hannah	Taunton	MA	
Duff	Samm	Saratoga Springs	NY	
Duffin	Sarah	Pawtucket	RI	
Duffy	Nick	South Portland	ME	
Duffy	Shannah	Brunswick	ME	
Dufour	Ryan	Glenburn	ME	
Dugas	Josh	Windham	ME	
Dumas	Adam	Gray	ME	
Dunham	Nick	Sunset	ME	
Dunn	Nigel	Falmouth	ME	
Dunson-Todd	Malcolm	Belfast	ME	
Duplissie	Aubrey	Brewer	ME	
Duplissie	Mason	Milford	ME	
Dupont	Taylor	North Berwick	ME	
Dupuis	Katherine	Lyman	ME	
Duranko	Jessie	Westport	CT	
Durkee	Olivia	Oakland	ME	
Durocher	Carl	North Berwick	ME	
Dustin	Aaron	Bowdoin	ME	
Dustin	Zane	Hebron	ME	
Dwelley	Mikala	Bowdoin	ME	
Dye	Jarod	Hallowell	ME	
Dyer	Hannah	Hermon	ME	
Dyer	Rachael	Westbrook	ME	
Dyer	Zach	South Portland	ME	
Earl-Johnson	Dylan	Topsham	ME	
East	Aly	Calais	ME	
Eaton	Kristy	Lamoine	ME	
Eaton	Miles	Kennebunkport	ME	
Eckles	Riley	Peabody	MA	



Edgar	William	South Portland	ME	
Edgecomb	Hannah	Mount Desert	ME	
Edwards	Marissa	Scarborough	ME	
Egbert	Summer	Brick	NJ	
Elkin	Daeghan	Sidney	ME	
Elkins	Abby	Hampden	ME	
Elliot	Alixandra	Pembroke	MA	
Elliott	Abby	Bangor	ME	
Elliott	Avery	Waterford	ME	
Elliott	Sam	Blue Hill	ME	
Ellis	Micaela	Brooks	ME	
Elsemore	Brian	South Portland	ME	
Elwell	Lydia	Hartland	ME	
Emerich	Rachel	Old Town	ME	
Emerson	Brandon	Augusta	ME	
Emerson	Thomas	Topsham	ME	
Emery	Josh	Newport	ME	
Emery	Lauren	East Poland	ME	
Emmons	Cameron	Richmond	ME	
Engholm	Jack	York	ME	
Enrico	Blake	Freeport	ME	
Eramian	Jonathan	Boonton	NJ	
Eramian	Matthew	Boonton	NJ	
Erlandson	Tatum	Old Town	ME	
Escobedo	Nick	Biddeford	ME	
Eskilson	Mitch	Raymond	ME	
Espinosa	Vianca	Portland	ME	
Esposito	Joe	Portland	ME	
Esty	Colby	Skowhegan	ME	
Ettinger	Andrew	Hollis Center	ME	
Evangelista	Danika	Old Orchard Beach	ME	
Evans	Katie	Essex	CT	
Everitt	Julia	Newport	RI	

Ewing	Adam	Old Town	ME	
Fabel	Catherine	Eden Prairie	MN	
Fahey	Maggie	Hampstead	NH	
Fair	Isaac	Orono	ME	
Falkie	Hanna	Orono	ME	
Falkner	Noah	Ashland	OR	
Fandel	Olivia	Orono	ME	
Farina	Ashley	Westbrook	CT	
Farragher-Gemma	Laura	Millis	MA	
Farrell	Erin	Saco	ME	
Farrell	Kenzie	Framingham	MA	
Farrington	Adam	Brewer	ME	
Farrington	Grace	Orono	ME	
Farrington	Koby	Lincoln	ME	
Farrington	Shawn	Brewer	ME	
Fasth	Gregory	Bangor	ME	
Feenstra	Rachel	Ellington	CT	
Feeny	Chloe	Cochranville	PA	
Feero	Keegan	Old Town	ME	
Feero	Nick	Old Town	ME	
Ferguson	Connor	Veazie	ME	
Fernald	Ian	Phippsburg	ME	
Ferrara	Jack	Stratford	CT	
Ferraro	Jocelyn	Wilmington	MA	
Ferrauolo	Nick	Wallingford	CT	
Ferri	Cassie	Springfield	MA	
Ferris	Brooke	Brookfield	CT	
Fiandaca	Zoe	Palmyra	ME	
Fickett	Josh	Orono	ME	
Figueria	Levi	Springfield	MO	
Filiault	Mike	Kittery	ME	
Fine	Ryan	Slatington	PA	
Finnemore	Kate	Caribou	ME	

Fitzpatrick	Julianne	Wells	ME	
Fitzpatrick	Kevin	Bristol	ME	
Flaherty	Joseph	Attleboro Falls	MA	
Flaherty	Matthew	Jamaica Plain	MA	
Flanders	Ashley	Belfast	ME	
Flannery	Alex	Hampden	ME	
Flannery	Michael	Concord	MA	
Flannery	Miranda	Presque Isle	ME	
Flannery	Zachary	Hampden	ME	
Flessen	Ivy	Oswego	IL	
Flubacher	Liam	Winter Harbor	ME	
Fluet	Zoe	Cumberland Center	ME	
Flynn	Bridget	Quincy	MA	
Flynn	Jillian	Caribou	ME	
Flynn	Liam	Raymond	ME	
Fogarty	Kelly	Walpole	MA	
Fogg	Kate	Dedham	ME	
Foley	Tara	Pembroke	MA	
Folger	Claudia	South Berwick	ME	
Follansbee	Kate	Scarborough	ME	
Fong	Tristan	Hope	ME	
Fonger	Sierra	Jackson	ME	
Ford	Katelyn	Presque Isle	ME	
Fortier-Brown	Adam	Randolph	ME	
Fortunato	Sophie	Wethersfield	CT	
Foss	Jacob	Livermore	ME	
Fossier	Mitchell	Alpharetta	GA	
Foster	Mackenzie	Poland	ME	
Fournier	Andrew	Bangor	ME	
Fournier	Jordan	Buxton	ME	
Fournier	Noah	Carrabassett Valley	ME	
Fox	Jacob	Enfield	NH	

Fox	Jette	Glen Allen	VA	
Frank	Samantha	Windham	ME	
Fraser	Caiden	West Bath	ME	
Fraser	Caitlin	Brewer	ME	
Fraser	Jesse	Rockport	ME	
Fratzke	Emily	Murrieta	CA	
Frechette	Amren	Windham	ME	
Freedman	Jami	Eddington	ME	
Freeman	Emma	Scarborough	ME	
Freeman	Kristen	Old Town	ME	
French	Rebecca	Topsham	ME	
Freudenberger	Laura	Palmyra	ME	
Frisard	Meghan	Worcester	MA	
Fudge	Cameron	Farmingdale	ME	
Furrow	Trudy	Bangor	ME	
Gaboury	Danielle	Cranston	RI	
Gagne	Emily	Raymond	ME	
Gagne	Hailey	South Berwick	ME	
Gaines	Susannah	Lexington	MA	
Gallagher	Colleen	Attleboro	MA	
Gallagher	Gary	Brewer	ME	
Gallant	Austin	Gray	ME	
Gallati	Mika	Cumberland Center	ME	
Galli	Michael	South Hamilton	MA	
Gallons	Nesey	Orono	ME	
Gallop	Emma	Houlton	ME	
Gamache	Gabrielle	Colchester	CT	
Ganzel	Tabetha	Linneus	ME	
Garand	Melissa	Manchester	ME	
Gardner	Andrew	New Sharon	ME	
Gardner	Christianna	Easthampton	MA	
Gardner	Hope	Walpole	NH	
Gardner	Ryan	Brewer	ME	

Garfield	Jeffrey	Lowell	ME	
Garland	Roy	Scarborough	ME	
Garner	Emma	Sandown	NH	
Gartley	Jared	South China	ME	
Garvey	Eimile	Middletown	RI	
Gautrau	Margaret	Old Town	ME	
Gayton	Dominic	Calais	ME	
Gebhart	Jake	Cranston	RI	
Geiser	Bre	Dedham	ME	
Genenbacher	Lauren	Old Town	ME	
Genthner	Brianna	Damariscotta	ME	
Geoffrion	Henry	Georgetown	ME	
Gerakaris	Ax	Caribou	ME	
Gerencer	Alex	North Yarmouth	ME	
Gernhard	Maddy	Spring	TX	
Gervais	Mikki	Sabattus	ME	
Gessner	Bridget	Huntingdon Valley	PA	
Getchell	Dylan	Mount Vernon	ME	
Ghikas	Olivia	North Andover	MA	
Giffault	Paige	Stonington	CT	
Giglio	Mary	Falmouth	ME	
Giguere	Arianna	Westbrook	ME	
Gilbert	Matt	Hollis Center	ME	
Gilbert	Trevor	Newington	CT	
Gilboe	Austin	Orono	ME	
Gillert	Nick	Orono	ME	
Gilmore	Drew	Hampden	ME	
Gilmore	Emily	Holden	ME	
Gilson	Matilda	Audubon	NJ	
Girgis	Jacob	Madison	ME	
Giroux	Anna	Westbrook	ME	
Giroux	Chris	Topsham	ME	

Gisler	Sarah	Lansing	NY	
Glatter	Ella	Houlton	ME	
Glatter	Sarah	Orono	ME	
Glatter	Tim	Orono	ME	
Gleason	Devon	Winslow	ME	
Gleason	Kyle	Sidney	ME	
Gleeson	Thomas	Cape Elizabeth	ME	
Glick	Joshua	Longmeadow	MA	
Godbout	Nathan	Hebron	ME	
Godin	Melodie	Orono	ME	
Godin	Michael	Simsbury	CT	
Goff	Brandon	Monmouth	ME	
Gogan	David	Littleton	ME	
Goldsmith	Josh	Phillipsburg	NJ	
Goldsmith	Matt	Phillipsburg	NJ	
Gonyar	Ally	Bangor	ME	
Gonyea	Keely	Hermon	ME	
Good	Elyse	Walpole	MA	
Goodale	Kyle	Wells	ME	
Goodall	Kelly	Beverly	MA	
Goodenough	Bryant	Eliot	ME	
Goodine	Devanne	Warwick	RI	
Goos	Ariel	Concord	MA	
Gorney	Emily	Sanbornville	NH	
Gosselin	Brandon	Augusta	ME	
Gottwalt	Catherine	Mound	MN	
Goulding	Jennifer	Groton	MA	
Goulet	Sadie	Wales	ME	
Goulette	Spencer	York	ME	
Govoni	David	Skowhegan	ME	
Graham	Duncan	Franklin	MA	
Graham	Elly	North Yarmouth	ME	
Graham	Grace	Cary Plantation	ME	

Graham	Josh	Windham	NH	
Graham	Rachel	Walpole	MA	
Graham	Vanessa	Bangor	ME	
Gramour	Dakota	Houlton	ME	
Gramse	Matthew	Falmouth	ME	
Gramse	Mike	Falmouth	ME	
Granderath	David	Wülfrath		Germany
Grant	Izzie	Gorham	ME	
Grant	Loren	Moscow	ME	
Graviss	Victor	Gray	ME	
Gray	Anthony	Orono	ME	
Greaney	Emily	Mercer	ME	
Greaves	Fiona	Norfolk	MA	
Greco	Cliff	Greene	ME	
Green	Adam	Bangor	ME	
Green	Adam	Winslow	ME	
Green	Kendra	Old Town	ME	
Green	Lyndsey	South Portland	ME	
Greenlee	Aidan	Cumberland Center	ME	
Greenlee	Liam	Cumberland Center	ME	
Greenwood	Luke	Livermore	ME	
Gregory	Jordan	Minot	ME	
Grey	Lauren	Cape Elizabeth	ME	
Grice	Samantha	Gardner	MA	
Griffin	Brenda	Wells	ME	
Griffin	Hanna	Windham	ME	
Griffin	Joe	Middleton	MA	
Griffin	Liam	North Berwick	ME	
Griffin	Morgan	Berwick	ME	
Griffin	Sara	Parlin	NJ	
Griffith	Matthew	Parkman	ME	
Griffiths	Sarah	Newton	NJ	

Grindle	Ila	Bucksport	ME	
Grindle	Kaylee	Bucksport	ME	
Grindle	Megan	Old Town	ME	
Grogan	Leann	New Hartford	CT	
Gross	Aubrie	Mapleton	ME	
Grove	Colin	Cumberland Center	ME	
Gu	Tony	Shanghai		China
Guarnieri	Lucy	Belgrade	ME	
Guimond	Andrew	Orono	ME	
Guimond	Dominic	Portland	ME	
Guinn	Maizy	Acton	MA	
Gundermann	Sara	Palmyra	PA	
Gurschick	Karl	Bangor	ME	
Gutheinz	Izzy	Camden	ME	
Guy	Brianna	Orono	ME	
Guzzi	Melissa	Medford	NJ	
Haas	Derek	Old Town	ME	
Haded	Rebecca	Burlington	MA	
Hadley	Bruce	North Easton	MA	
Hagaman	Mykayla	Melbourne	FL	
Hagarman	Sydney	Bangor	ME	
Hakala	Jared	Keene	NH	
Haley	Alyson	Hudson	MA	
Haley	Casco	Amherst	ME	
Hall	R.J.	Cushing	ME	
Halliday	Jason	Topsham	ME	
Hallowell	Sydney	Cape Elizabeth	ME	
Hamilton	Jared	Ellsworth	ME	
Hamilton	Jess	Worcester	MA	
Hamilton	Josh	Alton	ME	
Hammes	Tess	Millersville	PA	
Hammond	Brooke	Frankfort	ME	
Hammond	Mary	Harrington	ME	



Hammond	Sarah	Auburn	ME	
Hanafin	Thomas	Burlington	MA	
Hancock	Ryan	Moyock	NC	
Handlon	Ryan	Lewiston	ME	
Hanks	Lily	Hopkinton	MA	
Hanlon	Madeline	North Smithfield	RI	
Hannigan	Jim	Portland	ME	
Hanning	Lily	Houlton	ME	
Hansen	Darria	Orono	ME	
Hansen	Jens	Augusta	ME	
Hanson	Kyle	Brunswick	ME	
Hanson	Tim	Wrentham	MA	
Harakles	Lila	Lyman	ME	
Harding	Marcus	Wells	ME	
Hardy	Brielle	Scarborough	ME	
Hargreaves	Abby	Concord	CA	
Hargrove	Hannah	Sidney	ME	
Harlan	Brendan	Old Orchard Beach	ME	
Harling	Mitchell	Durham	NH	
Harmon	Ashley	Fayette	ME	
Harmon	Natalie	Fayette	ME	
Harmon	Sierra	Winslow	ME	
Haroldsen	Kaleigh	Kennebunk	ME	
Harper	Josie	Maxfield	ME	
Harriman	Emily	Belfast	ME	
Harriman	Jw	Orrington	ME	
Harrington	Raegan	Old Town	ME	
Harris	Bryan	Lake Hopatcong	NJ	
Harris	Dorothy	Sinclair	ME	
Harris	Justin	Bangor	ME	
Harris	Justin	South China	ME	
Harris	Sophia	Fort Mill	SC	

Harrison	Leah	Freeport	ME	
Hartin	Mataya	Crystal	ME	
Hartwell	Abigail	Orono	ME	
Harvey	Brandin	Westminster	MA	
Harvey	Ryan	Cape Elizabeth	ME	
Hase	Niklas	Buxton	ME	
Hashmi	Fazeel	Veazie	ME	
Haskell	Shelby	Hartland	ME	
Hatch	Pete	Acton	MA	
Hathaway	Caitlin	Bangor	ME	
Hatton	Courtney	Molunkus Township	ME	
Haverly-Johndro	Brody	Newport	ME	
Havey	Heather	Franklin	ME	
Haviland	Luck	Norway	ME	
Hawthorne	Liam	South Berwick	ME	
Hayden	Jessica	Milford	ME	
Hayes	Emily	Auburn	ME	
Hayes	Kaylee	North Waterboro	ME	
Haynes	Juliana	Rockport	ME	
Hayward	Kayla	Old Town	ME	
Hazlewood	Jaclyn	Westbrook	ME	
Heard	Daniel	Albion	ME	
Heaton	Ainsleigh	Mansfield	MA	
Hebert	Ben	Madawaska	ME	
Hebert	Bobby	Scituate	MA	
Hebert	Evan	Madawaska	ME	
Hebert	Katharynne	Chepachet	RI	
Heffernan	Courtney	Biddeford	ME	
Hegarty	David	Limington	ME	
Helinski	Mina	Whitinsville	MA	
Helman	Emma	Wilton	CT	
Henderson	Jessup	Old Town	ME	

Hepburn	Annie	Eliot	ME	
Hepler	Irja	Orono	ME	
Herboldsheimer	Joe	Portland	ME	
Herlihy	Tanna	Livermore Falls	ME	
Herman	Isaac	Old Town	ME	
Herner	Oliver	Budapest		Hungary
Hersey	Sydney	Scarborough	ME	
Herzig	Elizabeth	Colrain	MA	
Hess	Katie	Danville	PA	
Heyden	Debbie	Carmel	ME	
Hickey	Lauren	Westbrook	CT	
Hicks	Dan	Summit	NJ	
Higgins	Warren	Sullivan	ME	
Hill	Alexandria	Millis	MA	
Hill	Cassidy	Searsmont	ME	
Hill	Connor	New Haven	VT	
Hill	Ethan	Old Town	ME	
Hillery	Caitlin	Glenburn	ME	
Hills	Alison	Searsmont	ME	
Hilt	Alexia	Friendship	ME	
Hilton	Jason	Mercer	ME	
Hindle	Emily	Orono	ME	
Hodge	Emma	East Hampstead	NH	
Hodgkins	Anna	Hallowell	ME	
Hofacker	Nicole	Greene	ME	
Hoffman	Amanda	Stoughton	MA	
Hoffman	Colleen	Jim Thorpe	PA	
Holbrook	Jacob	Southington	CT	
Holland	Sunni	Salem	NH	
Hollstein	J.J.	Old Town	ME	
Holman	Zack	Mount Vernon	ME	
Holmberg	David	Orono	ME	
Holmes	Kailey	Eddington	ME	

Holmes	Kaya	Sykesville	MD	
Holz	Jessica	Orono	ME	
Homack	Heather	Winslow	ME	
Hooper	Megan	Mercer	ME	
Hornsby	Jamie	North Attleboro	MA	
Horovitz	Jane	Washington	ME	
Horr	Ellie	Brewer	ME	
Horton	Camilla	North Yarmouth	ME	
Horton	Illia	Frankfort	ME	
Hoskins	Devin	Topsham	ME	
Hotaling	Jake	Wilbraham	MA	
Houp	Ashley	Saco	ME	
Houp	Lindsay	Brewer	ME	
Houp	Megan	Hampden	ME	
Howe	Abigail	Southwick	MA	
Howe	David	Stow	MA	
Howell	Megan	Mount Desert	ME	
Howell	Sydney	Ludlow	ME	
Howes	Andrew	Bangor	ME	
Howes	Lanie	Orono	ME	
Howes	Megan	Hermon	ME	
Howland	Jill	Houlton	ME	
Howland	Michael	Bangor	ME	
Hoyt	Devon	Wilton	ME	
Hubbard	Arthur	Augusta	ME	
Hubby	Claire	Chanhassen	MN	
Hudock	Alexy	North Berwick	ME	
Huff	Jim	Sullivan	ME	
Hughes	Bronwyn	Portland	ME	
Hughes	Chelsea	Scarborough	ME	
Hughes	Mariah	Dexter	ME	
Hughes	Marissa	Deep River	CT	
Hulme	Shalimar	Tewksbury	MA	

Hunt	Kimberly	Corea	ME	
Hunter	Michael	Caribou	ME	
Huo	Emily	Biddeford	ME	
Hurley	Pat	Medford	NJ	
Hussey	Chase	Longmeadow	MA	
Hussey	Karah	Hudson	ME	
Hussey	Kaylee	South Berwick	ME	
Huston	Ben	Hampden	ME	
Hutchins	Andrew	Alna	ME	
Hutchins	Dakota	Fairfield	ME	
Hutchins	Kaine	Dixfield	ME	
Hutchinson	Jessica	Canterbury	NH	
Hutchinson	Jessie	Wilton	ME	
Hyde	Courtney	Veazie	ME	
Iasenytska	Iaryna	Kyiv		Ukraine
Ickes-Coon	Nellie	Topsham	ME	
Idelkope	David	Chesterfield	NH	
Igiraneza	Coralyn	Portland	ME	
Ingalls	Colin	Bowdoin	ME	
Ingalls	Rachel	Hermon	ME	
Ingram	Matt	Winthrop	ME	
Ip	Brandon	Pembroke	MA	
Ireland	Lex	Indian Island	ME	
Ireland	Rachel	Corinth	ME	
Ismail	Lauren	Glenburn	ME	
Jackson	Carly	Amherst	NS	Canada
Jackson	Emily	Casco	ME	
Jackson	Maddy	Old Town	ME	
Jackson	Samantha	Milford	ME	
Jackson	Sydney	Upland	CA	
Jackson	Taylor	Simsbury	CT	
Jacques	Jessica	North Reading	MA	
Jacques	Kyle	Norridgewock	ME	

Jacques	Miranda	Manchester	NH	
Jakins	Jordin	Newport	ME	
James	Matthew	South Weymouth	MA	
Jameson	Mitchell	Bangor	ME	
Jamison	Caitlyn	Villas	NJ	
Jammeh	Mandy	Brewer	ME	
Jandreau	Emma	Caribou	ME	
Jarosz	Adam	Brunswick	ME	
Jasenski	Jessica	Tolland	CT	
Jaszay	Ciarra	Howland	ME	
Jenkins	Andrew	Wayland	MA	
Jenkins	Jordan	Greenville	RI	
Jennings	Leah	Holden	ME	
Jermyn	Justin	New York	NY	
Jerome	Eva	Orono	ME	
Jiang	Evan	Orono	ME	
Jiang	Qikai	Shanghai		China
Jimenez	Alicia	Medfield	MA	
Jipson	Kaylee	Auburn	ME	
Jobe	Devon	Frederick	MD	
Jodoin	Kaitlyn	Gorham	ME	
Johnson	Alexandra	Milwaukee	WI	
Johnson	Ben	Bridgton	ME	
Johnson	Ben	Stoneham	MA	
Johnson	Chris	Veazie	ME	
Johnson	Claudia	Islesboro	ME	
Johnson	Dean	Springvale	ME	
Johnson	Ethan	Gray	ME	
Johnson	Michael	Orono	ME	
Johnson	Morgan	Bowdoinham	ME	
Johnson	Rachel	South Thomaston	ME	
Johnson	Sam	Mount Desert	ME	
Johnston	Olivia	Dixfield	ME	

Johnstone	Brandon	North Waterboro	ME	
Jolliffe	Emily	Searsmont	ME	
Jones	Maria	East Machias	ME	
Jones	Todd	Orono	ME	
Jones	Vic	Old Town	ME	
Jordan	Abe	Scarborough	ME	
Jordan	Jacob	Ellsworth	ME	
Jordan	Nate	Scarborough	ME	
Jordan	Nicholas	Waltham	ME	
Jordan	Noah	Damariscotta	ME	
Joseph	Sophie	Kennebunk	ME	
Joslin	Amanda	Simsbury	CT	
Josselyn	Courtney	Mechanicsburg	PA	
Jourdain	Emma	Becket	MA	
Joy	Jarrold	Brewer	ME	
Joyce	Reilley	Westbrook	ME	
Judkins	Jordyn	Deer Isle	ME	
Jurlina	Antonio	Old Town	ME	
Kaczynski	Gabbi	Bloomsbury	NJ	
Kaiser	Alexandra	Cinnaminson	NJ	
Kalmus	Jordan	Brookfield	CT	
Kanagy	Victoria	Old Town	ME	
Kane	Ian	Fairport	NY	
Kane	Kat	Falmouth	ME	
Kane	Kevin	Falmouth	ME	
Kaplan	Julia	Hull	MA	
Kaplan	Stephen	South Berwick	ME	
Karam	Abram	Bangor	ME	
Karam	Gabriel	Bangor	ME	
Karlins	Alyssa	South Windsor	CT	
Karparis	Dan	Plympton	MA	
Karpman	Zoe	Landing	NJ	

Karris	Xander	Hampden	ME	
Karunasiri	Chathu	Caribou	ME	
Kauppila	Wesley	Newburgh	ME	
Keaton	Joanna	North Reading	MA	
Keefe	Aislinn	Jericho	VT	
Keegan	Colleen	Kennebunk	ME	
Keene	Paisley	Poland	ME	
Keim	Sierra	Dixfield	ME	
Keisman	Lauren	South Paris	ME	
Kelleher	Chris	Weymouth	MA	
Keller	Hannah	Avon	CO	
Kelley	Brian	Windham	ME	
Kelley	Grace	Winfield	IL	
Kelley	Sara	Shapleigh	ME	
Kemble	Peter	Bangor	ME	
Kenison	Matt	Topsham	ME	
Kennedy	Evan	Morrill	ME	
Kennedy	Kelli	Milbridge	ME	
Kennedy	Nicole	Greenbush	ME	
Kerrigan	Hannah	Veazie	ME	
Kershner	Noah	Newport	ME	
Ketch	Jacob	Bradley	ME	
Keur	Nina	Naarden		Netherlands
Keydel	Oscar	South Burlington	VT	
Khan	Omar	Brewer	ME	
Kiely	Danielle	Averill Park	NY	
Kientz	Jake	Williamstown	NJ	
Kiernan	Jenny	Arlington	VT	
Kieu	Khoa	Da Nang		Vietnam
Kilgour	Alyssa	Orrington	ME	
Kimble	Maddie	Avon	OH	
King	Brittany	Eliot	ME	
King	Brittany	Milford	ME	



King	Courtney	Augusta	ME	
King	Dylan	Uxbridge	MA	
King	Sam	Fairfield	ME	
Kirbach	Anastasia	Bangor	ME	
Kirk	Katherine	Scarborough	ME	
Klebon	Kat	Newark	DE	
Klein	Eric	Amherst	MA	
Klein	Zachary	Hampden	ME	
Kleinhouse	Tal	Nir Moshe		Israel
Klier	Klarissa	Methuen	MA	
Klingner	Lukas	Farmington	CT	
Klose	Rachael	Bethlehem	PA	
Knapp	Andrea	Sullivan	ME	
Knarr	Derek	Old Town	ME	
Knight	Dustin	Berwick	ME	
Knowles	Joseph	Topsham	ME	
Koehler	Hannah	Alburtis	PA	
Kohler	Katie	York	ME	
Kohtala	Hope	Mechanic Falls	ME	
Koller	Angus	Monmouth	ME	
Kollman	Reggie	Bangor	ME	
Kontio	Emily	Hermon	ME	
Kornsey	Danny	Waterville	ME	
Kosmin	Stephanie	North Chelmsford	MA	
Kowash	Michael	Saco	ME	
Krause	Danielle	Bangor	ME	
Krause	Thomas	Fort Fairfield	ME	
Krull	Jacob	Westbrook	ME	
Kucera	Brittany	Toronto	ON	Canada
Kucia	Jackie	Rehoboth	MA	
Kugell	Dominic	Oxford	ME	
Kuhlka	Birgit	Northfield	MA	
Kukk	Kora	Brookfield	CT	

Kulickowski	Kyle	Old Town	ME	
Kulinski	Anna	Monmouth	ME	
Kurmin	Andrew	Marshfield	MA	
Kutzinski	Kira	Buende		Germany
Kuusela	Branden	Gorham	ME	
L'Heureux	Allison	Springvale	ME	
Labbe	Desiree	Old Town	ME	
Labelle	Makayla	Bangor	ME	
Labun	Mike	Hampden	ME	
Lachapelle	Andrew	Leeds	ME	
Ladstatter	Kate	Saunderstown	RI	
Lafleur	Nicholas	Stonington	CT	
LaFrance	Joanna	Alfred	ME	
LaFrance	Sophia	Alfred	ME	
Lagerstrom	Emily	Presque Isle	ME	
Lagerstrom	Lindsey	Presque Isle	ME	
LaGross	Ryan	Palmyra	ME	
LaMagna	Peter	Freeport	ME	
LaMarca	Charles	North Andover	MA	
Lamb	Jada	Poland	ME	
Lamb	Jasmine	Poland	ME	
Lambert	Parker	Orono	ME	
Lambrecht	Mark	Kittery Point	ME	
Lamkins	Jordan	Southington	CT	
Lammers Lisnet	Natalie	Bangor	ME	
Lamonica	Bria	Blackwood	NJ	
Lamoureux	Briana	Kittery	ME	
Lamphear	Wes	Inlet	NY	
Lander	Meg	Orrington	ME	
Landry	Alex	Auburn	ME	
Landry	Laura	Hampden	ME	
Lane	Anna	York	ME	
Lang	Lauren	Old Town	ME	

Langlois	Connor	Scarborough	ME	
Laperle	John	Berlin	VT	
LaPiere	Teagan	Bangor	ME	
Laplante	Erica	Scarborough	ME	
LaPlante	Noah	Milford	ME	
LaPointe	Evan	Minot	ME	
Lappin	Olivia	Scarborough	ME	
Larence	Ciara	Northbridge	MA	
LaRochelle	Haley	Brooks	ME	
Larosa	Nadia	Longwood	FL	
Laskey	Sarah	Southington	CT	
Latario	Sarah	Groton	MA	
Latendresse	Colette	Winslow	ME	
Laurita	Henry	Hope	ME	
LaValley	Elizabeth	Greenfield	MA	
Laverdiere	Lexi	South Paris	ME	
Lavigueur	Beatrix	Newport	RI	
Lavoie	Lydia	Winthrop	ME	
Lavoie	Matthew	Wells	ME	
Lavway	Ryan	Mapleton	ME	
Lawler	Marshall	Pittsfield	ME	
Lawrence	Haley	Ellsworth	ME	
Lawrence	Matt	Topsham	ME	
Lawrence	Rochelle	Hampden	ME	
Le	Jasmin	Lisbon	ME	
Le	Kaylin	Lisbon	ME	
Leach	Madison	Easton	ME	
Leake	Joshua	Folsom	PA	
Leary	Benjamin	Saco	ME	
Leavitt	Samuel	Brunswick	ME	
Leber	Lauren	Orono	ME	
Legere	Eli	Islesboro	ME	
Legere	Jenna	Milford	ME	

Leighton	Arthur	Stockton Springs	ME	
Lelievre	Jake	Lebanon	ME	
Lemoine	Owen	Saco	ME	
Lenentine	Taylor	Sidney	ME	
Lenfest	Eben	Smithfield	ME	
Lenfest	Lucas	Smithfield	ME	
Lengyel	Maddison	South Portland	ME	
Leonard	Ethan	Mount Desert	ME	
LePage	Zach	Morrisonville	NY	
Letourneau	Kiana	Fairfield	ME	
Letourneau	Mitchel	Gorham	ME	
Levasseur	Rebecca	Auburn	ME	
Levesque	Christine	Brewer	ME	
Levy	Ethan	Saco	ME	
Lewis	Alex	Raymond	ME	
Lewis	Alyssa	Scarborough	ME	
Lewis	Chelsea	Bozrah	CT	
Lewis	Lenora	Portland	ME	
Lewis	Lindsey	Washington	ME	
Leydon	Connor	Kingston	MA	
Li	Guang	Bangor	ME	
Libby	Alyssa	Buxton	ME	
Libby	Sadie	Skowhegan	ME	
Libby	Tom	Camden	ME	
Libby	Zac	Milford	ME	
Liebler-Bendix	Ailin	Jamesville	NY	
Liedtka	Claire	San Antonio	TX	
Lilley	Tessa	Hampden	ME	
Lilly	Chloe	Orono	ME	
Lima	Kyle	Ellsworth	ME	
Limewood	Alexyss	Bonaire	GA	
Lin	Hua	Portland	ME	
Lindsay	Ryan	West Enfield	ME	

Lindsley	Spencer	Bath	ME	
Lindsley	Tessa	Bath	ME	
Liu	Cailian	Qingdao		China
Livingston	Kayla	Billerica	MA	
Logan	Abby	Buxton	ME	
Logan	Maddy	Buxton	ME	
Loiselle	Sara	Windham	ME	
Long	Jordyn	Limington	ME	
Looker	Robert	Ellsworth	ME	
Looney	Alanna	Walpole	MA	
Looney	Brody	Vienna	ME	
Loper	Kelton	Norway	ME	
Lorbeski	Jennifer	Richmond	ME	
Lord	Rebecca	Gorham	ME	
Lord	Thomas	Yarmouth	ME	
Lovejoy	Noah	Orono	ME	
Loveless	Noah	Cumberland Center	ME	
Lovely	Emma	Lebanon	ME	
Lovering	Alyssa	North Yarmouth	ME	
Lowe	JaHann	Whitefield	ME	
Lowell	Ethan	Scarborough	ME	
Lowry	Heather	Alstead	NH	
Luc	Rachel	Bangor	ME	
Lucas	Karissa	Readfield	ME	
Lucier	Ellen	Milford	MA	
Lueders	Emma	Canton	ME	
Lueders	Luke	Canton	ME	
Lufkin	Adam	Clifton	ME	
Lund	Emily	Cherry Hill	NJ	
Lunn	Nick	Old Town	ME	
Lunt	Chloe	Greenfield	MA	
Luopa	Lindsay	Saco	ME	

Lust	Thomas	New Providence	NJ	
Lynch	Danielle	Burlington	MA	
Lynch-Greenberg	Kevin	Marblehead	MA	
Lynes	Brady	Westbrook	ME	
Lynn	Josh	Wilbraham	MA	
Macauley	Madeleine	Mount Desert	ME	
MacBurnie	Amanda	Toms River	NJ	
MacFarlane	Olivia	Plymouth	MA	
MacGregor	Molly	Peabody	MA	
Machesney	Leala	Portland	ME	
Machia	Evalyn	Brookfield	CT	
Macolini	Kate	Wells	ME	
Madden	Kayla	Greenbush	ME	
Madden	Patrick	Washington	ME	
Maddix	Hannah	Saco	ME	
Madore	Paige	Bridgewater	MA	
Magnan	Maria	Enosburg Falls	VT	
Magnano	Sal	Southington	CT	
Mahaleris	Nina	Orono	ME	
Mahoney	Erin	Portland	ME	
Mallet	Mitchell	Shrewsbury	MA	
Mallett	Samuel	Lee	ME	
Maltby	Megan	Chatham	NJ	
Malvin	Jenna	Blue Hill	ME	
Manahan	Aidan	Newcastle	ME	
Manfredonia	Madeline	Southbury	CT	
Manley	Eric	Manchester	ME	
Mann	Courtney	Greenville	ME	
Mann	Rick	Bowdoinham	ME	
Manson	Hillary	Corinna	ME	
Marcellino	Allison	Wakefield	RI	
Marcotte	Jack	Bangor	ME	
Marcotte	Sarah	Bangor	ME	

Marcoux	Leah	Bangor	ME	
Marin	Trevor	Benton	ME	
Markevich	Colton	Bangor	ME	
Marotto	Zoe	Brunswick	ME	
Marsh	Hannah	Rowley	MA	
Marshall	Charles	White Hall	MD	
Marshall	Ennis	Little Deer Isle	ME	
Marshall	Evan	Bangor	ME	
Marston	Caleb	South Portland	ME	
Martel	Andy	Steep Falls	ME	
Martel	Marissa	Cumberland Center	ME	
Martin	Alex	Arrowsic	ME	
Martin	Brea	Winslow	ME	
Martin	Dexter	Orono	ME	
Martin	Josh	Farmington	CT	
Martin	Lauren	Bradley	ME	
Martin	McKenna	Midlothian	IL	
Martin	Rachel	Bradley	ME	
Martin	Sarah	Sidney	ME	
Martin	Seth	Windham	ME	
Martin	Tenny	Bangor	ME	
Mascarenhas	Cassandra	Mississauga	ON	Canada
Mason	Asher	Orono	ME	
Mason	Ashley	New Harbor	ME	
Mason	Clayton	Rutland	MA	
Masse	Libbey	Brunswick	ME	
Mathews	Mae	Old Town	ME	
Mathieu	Alissa	Orono	ME	
Mathieu	Ethan	Sanford	ME	
Mathisen	Sam	Elmore	VT	
Matson	Kate	Englewood	CO	
Matson	Sam	Needham Heights	MA	

Mattas	Laura	Schenectady	NY	
Matteucci	Samantha	East Helena	MT	
Matula	Kensi	Albion	ME	
Maurer	Jon	Old Town	ME	
Maxsimic	Katie	Kingfield	ME	
McAlary	Hannah	Saco	ME	
McAllister	Justin	Carmel	ME	
McCallister	Sarah	Stratham	NH	
McCann	Lauren	Somerdale	NJ	
McCarthy	Sam	Nashua	NH	
McCaslin	Hunter	Winslow	ME	
McCluskey	Leah	Seymour	CT	
McCoy	Evan	Hermon	ME	
McCurdy	Anna	Lawrence	KS	
McDermet	Tim	Mount Laurel	NJ	
McDermott	Grace	Groton	MA	
McDermott	Sydney	Lake Stevens	WA	
McDonald	Catherine	Jonesport	ME	
McDonald	Meghan	Beverly	MA	
McDonough	Bryson	Bangor	ME	
McDonough	Katie	Groveland	MA	
McDuffee	Liz	Winthrop	MA	
McElman	Brooke	Woolwich	ME	
McFadden	Katelynn	Bensalem	PA	
McGill	Eli	Windham	ME	
McGillivray	Megan	Regina	SK	Canada
McGilvery	Reilly	North Berwick	ME	
McGinty	Ryan	Cumberland Center	ME	
McGlaulin	Parker	Edinburg	ME	
McGlynn	Alyssa	Westwood	NJ	
McGlynn	Erin	Cape Elizabeth	ME	
McGouldrick	Grace	Gorham	ME	
McGowan	Natasha	Gray	ME	



McGrath	Liz	East Weymouth	MA	
McGrath	Nicole	Old Town	ME	
McGrew	Lily	Warren	CT	
McGuire	Caitlin	Shelton	CT	
McInnis	Drew	Portland	ME	
McInnis	Tim	Portland	ME	
Mcintyre	Duncan	Lincoln	ME	
McKendry	Elise	Long Pond Township	ME	
McKeon	Daniel	Searsport	ME	
McLaughlin	Ben	Manchester	ME	
McLaughlin	Jillian	Franklin	MA	
McLaughlin	Kacie	Millinocket	ME	
McLaughlin	Kalee	Old Town	ME	
McLaughlin	Mark	Manchester	ME	
McLaughlin	Marshall	Augusta	ME	
McLeod	Kasey	Swanville	ME	
McLeod	Ryann	Rutland	VT	
McMillan	Anna	Brunswick	ME	
McNally II	Jeff	Gorham	ME	
McNamara	Luke	Eliot	ME	
McNutt	Nate	Norway	ME	
McWalter	Aleia	Bedford	MA	
Meade	Julia	Skowhegan	ME	
Meadar	Sydney	Boothbay Harbor	ME	
Mehrhoff	Isabelle	Mercer	ME	
Mehuren	Sadee	Searsmont	ME	
Meidahl	Hannah	Clinton	ME	
Mellors	Evie	Ware		United Kingdom
Menard	Mackenzie	South Attleboro	MA	
Menter	Maggie	Berwick	ME	
Mercado	Isabella	Brimfield	MA	
Merchant	Erin	Windham	ME	

Merchant	Hunter	Northport	ME	
Merchant	Taylor	Franklin	ME	
Mercier	Katie	Sidney	ME	
Mercier	Lauren	Sidney	ME	
Merriam	Nick	Brooks	ME	
Merrifield	Hilary	Rockport	ME	
Merrill	Kaelie	Norridgewock	ME	
Merrow	Kevan	South Portland	ME	
Meserve	Grant	Madison	NH	
Messer	Charlotte	Rockport	ME	
Mette	Laina	Orono	ME	
Meuse	Zach	Atkinson	NH	
Meyer-Waldo	Sarah	West Bath	ME	
Michaud	Kris	Caribou	ME	
Michaud	Paige	Northborough	MA	
Michaud	Sawyer	Belgrade	ME	
Michienzi	Haley	New Vineyard	ME	
Mickiewicz	Jackman	South Portland	ME	
Miers	Jennifer	Ellsworth	ME	
Mihaiu	Matt	Westborough	MA	
Mildrum	Kali	Falmouth	ME	
Miller	Cassie	Pittsfield	ME	
Miller	Dylan	Auburn	ME	
Miller	Makayla	Bangor	ME	
Miller	Nicole	Hudson	MA	
Miller	Shane	Orono	ME	
Mills	Robbie	Bangor	ME	
Milner	Carrie	Lincolntonville	ME	
Miner	Jordan	East Baldwin	ME	
Mininni	Anna	Biddeford	ME	
Minskoff	Natasha	Palo Alto	CA	
Mitchell	Emily	Hollis	NH	
Mitchell	Maddie	Gorham	ME	

Mitevaska	Simona	Skopje		Macedonia, Former Yugoslav Republic of
Mitman	Ivy	Strong	ME	
Mix	Marlana	Dimondale	MI	
Mogul	Jules	Holden	ME	
Mohr	Jacob	Plantsville	CT	
Molt	Logan	Orono	ME	
Monk	Reid	Bangor	ME	
Monroe	Mabel	South Thomaston	ME	
Monto	Noah	Sanford	ME	
Montuori	Isabella	Northborough	MA	
Moody	Elizabeth	Chelmsford	MA	
Mooers	Patric	Lincolnville	ME	
Mooney	Emily	Portland	ME	
Moore	Ben	Westford	MA	
Moore	Hadley	Old Town	ME	
Moore	Sammi	Brunswick	ME	
Morales	Brittany	Levant	ME	
Moran	Andrew	Randolph	ME	
Moran	Katie	Glenmont	NY	
Morgan	Abbey	Bowdoin	ME	
Morin	Allison	Parkman	ME	
Morin	Blaine	Sanford	ME	
Morin	Chad	Turner	ME	
Morin	Charis	Parkman	ME	
Morin	Cody	Orono	ME	
Morin	Mikayla	Gray	ME	
Morin	Trevor	Scarborough	ME	
Morneault	Maddy	Winslow	ME	
Morneault	Sarah	Mapleton	ME	
Morrill	Aidan	Kittery	ME	
Morrill	Coulter	Gainesville	VA	
Morrill	Haley	Rangeley	ME	
Morrill	Jason	Saco	ME	

Morrison	Kara	Blue Hill	ME	
Morrison	Sydney	Lincoln	ME	
Morrison	Tian	Springvale	ME	
Morrissey	Liam	New Boston	NH	
Morse	Michael	Old Town	ME	
Morton	Kacleigh	Yarmouth	ME	
Moseley	Kody	North Berwick	ME	
Moulton	Emma	Ipswich	MA	
Moyer	Ryan	Freeport	ME	
Muchemore-Allen	Steele	West Newfield	ME	
Muehlbauer	Keith	Apple Valley	MN	
Muir	Mark	Hudson	ME	
Mulligan	Abigail	Thunder Bay	ON	Canada
Mulvey	Chris	Wappingers Falls	NY	
Munding	Stephen	Smithtown	NY	
Munro-Ludders	Eli	Bath	ME	
Munson	Jennifer	Springfield	ME	
Murdaugh	Kayla	Old Town	ME	
Murdaugh	Shaina	East Machias	ME	
Murdock	Nicole	Montville	ME	
Murphy	Cassidy	Willow Grove	PA	
Murphy	Gabrielle	Rigaud	QC	Canada
Murphy	Joey	Norwalk	CT	
Murphy	Judy	Cork		Ireland
Murphy	Lauren	Scarborough	ME	
Murphy	Olivia	Hudson	NH	
Murphy	Rachael	Old Town	ME	
Murphy	Sean	Wallingford	CT	
Murray	Emma	Danvers	MA	
Murray	Lydia	Orono	ME	
Murray	Michaela	Orono	ME	
Murray	Sarah	Dexter	ME	

Murray	Theresa	Burlington	MA	
Muscat	Abigail	Bass Harbor	ME	
Myers	Claire	Airmont	NY	
Myers	Estella	Orono	ME	
Myers	Kyle	Mendon	MA	
Nadeau	Andrew	Alfred	ME	
Nadeau	Hannah	Litchfield	ME	
Nadeau	Kaitlyn	Caribou	ME	
Nadeau	Kassie	Vassalboro	ME	
Nadeau	Savanna	Swansea	MA	
Naglestad	Beate	Son		Norway
Nagy	Jason	Orono	ME	
Naisbitt	Maya	Blue Hill	ME	
Nally	Colin	Endicott	NY	
Nason	Alex	Cumberland Foreside	ME	
Neil	Sam	Mattawamkeag	ME	
Nelson	Cooper	Dover-Foxcroft	ME	
Nelson	Rachyl	Cornville	ME	
Neumann	Carson	Biddeford	ME	
Newell	Nancy	Bangor	ME	
Newland	Cameron	East Burke	VT	
Newton	Doug	Marshfield	MA	
Newton	Kiana	Littleton	NH	
Nguie	Gil	Orono	ME	
Nichols	Annalyse	Bangor	ME	
Nichols	Matthew	Jay	ME	
Nichols	Sarah	Brentwood	NH	
Nichols	Stephanie	Windham	ME	
Nickerson	Shelby	Orono	ME	
Nichoff	Erin	Blue Hill	ME	
Nightingale	Lauren	Bangor	ME	
Nika	Xhoana	Flushing	NY	
Nisbet	Leanne	Swampscott	MA	

Nitchman	Bryce	Scarborough	ME	
Nixon	Julia	Wells	ME	
Noble	Uriah	Sanford	ME	
Nolan	Aiden	Pittsfield	ME	
Nolan	Alison	Waldoboro	ME	
Nolan	Andrew	New Rochelle	NY	
Noonan	T.J.	Marshfield	MA	
Norton	Molly	Mansfield	MA	
Novak	Abby	Hampden	ME	
Noyes	Tavia	Gardiner	ME	
Nugent	Hannah	Sloatsburg	NY	
Nutting	J.T.	Fairfield	ME	
Nygaard	Aubree	Old Town	ME	
O'Brien	Aidan	Nobleboro	ME	
O'Brien	Liam	Oxford	CT	
O'Brien	Peter	Eliot	ME	
O'Connor	Siobhan	Chatham	NJ	
O'Donnell	Kyleigh	Abington	MA	
O'Malley	Clíodhna	Stockport		United Kingdom
O'Neil	Will	Orono	ME	
O'Neill	Meghan	Frisco	TX	
O'Neill	Tim	Chelmsford	MA	
O'Rourke	Maddie	Philadelphia	PA	
Oakes	Niki	Brewer	ME	
Oakley	Sarah	South Berwick	ME	
Oberink	Sarah	Yarmouth	ME	
Oehler	Morgan	Elkridge	MD	
Oesterlin	Emilie	New Portland	ME	
Oleson	Ashley	Ellsworth	ME	
Olmstead	Emma	Veazie	ME	
Olmsted	Billy	Warren	ME	
Olsen	Amanda	Columbus	OH	
Olski	David	Sherborn	MA	

Orach	Ethan	Gorham	ME	
Ordway	Seth	New Gloucester	ME	
Ormiston	Cate	Wakefield	RI	
Orne	Katherine	Camden	ME	
Orne	Michael	Portland	ME	
Orton	Emma	Waterford	NY	
Osborn	Jazzy	Bangor	ME	
Osborne	Annabelle	Hermon	ME	
Osmond	Damon	Bath	ME	
Oswald	Adelle	Peru	ME	
Ott	Noelle	Upton	MA	
Otte	Ben	Cumberland Center	ME	
Ouellette	Ashley	Bangor	ME	
Ouellette	Chantal	Ellsworth	ME	
Ouellette	Hope	Bangor	ME	
Outing	Morgan	Caribou	ME	
Outwater	Timothy	Millbrook	NY	
Overturf	Kaj	Corinth	ME	
Overturf	Maija	Corinth	ME	
Overturf	Tuuli	Corinth	ME	
Ovitt	Brice	Old Town	ME	
Oxley	Cameron	Holden	ME	
Oyugi	Joshua	Orono	ME	
Pacent	Jack	Cumberland Foreside	ME	
Pacheco	Carissa	Saint Albans	ME	
Padilla	Mikayla	Midland	TX	
Paetow	Sabrina	Topsham	ME	
Page	Lauren	Scarborough	ME	
Paine	Rebecca	Milford	CT	
Palangas	Sophia	Weare	NH	
Palangas	Tom	Weare	NH	
Palladino	Hannah	Auburn	PA	

Palmer	Kylie	Dixfield	ME	
Palmer	Mikayla	West Gardiner	ME	
Palmeter	Josh	Orono	ME	
Palow	Eliza	Windham	ME	
Panagakos	Gaby	Scarborough	ME	
Paradie	Emma	Auburn	ME	
Paradis	Megan	Old Town	ME	
Parady	Cassidy	Trenton	ME	
Parent	Isabel	Hamlin	ME	
Paris	Jonah	Falmouth	ME	
Paris	Nathan	Milford	ME	
Parker	Ani	Brunswick	ME	
Parks	Jordan	Orono	ME	
Parks	Kalena	Corinth	ME	
Parrott	Sage	Glastonbury	CT	
Parsons	Taylor	Glastonbury	CT	
Pasamba	Anna	Edison	NJ	
Passanisi	Katherine	Medford	MA	
Passarelli	Josh	Scarborough	ME	
Pate	Maura	Bangor	ME	
Patel	Nisha	Sanford	ME	
Patton	Joseph	Topsham	ME	
Paul	Ashley	Saco	ME	
Paul	Jenna	Arundel	ME	
Paye	Laura	West Springfield	MA	
Pazdziorko	Andrew	Orono	ME	
Peaco	Zach	Rockland	ME	
Peacock	Mackenzie	Orono	ME	
Pearson	Courtney	Holden	ME	
Peary	Alexandra	Cumberland Center	ME	
Pease	Isabel	York	ME	
Peaslee	Tatum	Orrington	ME	
Peavey	Cameron	Raymond	ME	



Pecora	Zachary	Raynham	MA	
Peirce	Cammie	Hermon	ME	
Pelletier	Chelsea	Madawaska	ME	
Pelletier	Jordan	Rome	ME	
Pelletier	Justin	Frenchville	ME	
Pelletier	Miles	Industry	ME	
Pelletier	Nicole	Brunswick	ME	
Pender	Troy	Amesbury	MA	
Pendleton	Frances	Rockport	ME	
Penney	Sarah	South Thomaston	ME	
Peoples	Kyle	Gorham	ME	
Pereira	Sandy	Hampden	ME	
Perez	Mary	Laguna Niguel	CA	
Perkins	Chandler	Exeter	ME	
Perkins	Drake	Winterport	ME	
Perrault	Maegan	Biddeford	ME	
Perrino	Francis	Norwich	CT	
Perron	Grace	Bangor	ME	
Perrone	Estella	Cos Cob	CT	
Perry	Ember	Orrington	ME	
Perry	Hailey	Hermon	ME	
Perry	Jake	Freeport	ME	
Perry	Katie	Bow	NH	
Perry	Kayla	South Berwick	ME	
Perry	Ryan	Scarborough	ME	
Persons	Abbie	Bolton Landing	NY	
Peters	Hannah	Yarmouth	ME	
Petersen	Olivia	Eliot	ME	
Peterson	Anna	Chelsea	ME	
Peterson	Emma	Houlton	ME	
Peterson	Lydia	Auburn	ME	
Petrillo	Matt	South Easton	MA	

Petty	Jadon	Gray	ME	
Phan	Julia	Bangor	ME	
Philippone	Maura	Camillus	NY	
Phillips	Micaela	Orono	ME	
Pierce	Emily	Barre	VT	
Pike	Kurt	Bangor	ME	
Pinard	Nate	Fairhaven	MA	
Pine	Alexis	Owls Head	ME	
Pinkham	Jon	Damariscotta	ME	
Pinnette	Nicole	Waterville	ME	
Pirruccello-McClellan	Aidan	Foster	RI	
Pleau	Sarah	Vassalboro	ME	
Plouff	David	Orono	ME	
Plumer	Kiana	Gorham	ME	
Plumlee	Danielle	North Plains	OR	
Plummer	Evan	Gray	ME	
Poissonnier	Ethan	Norridgewock	ME	
Poissonnier	Taylor	Sidney	ME	
Poland	Joshua	Orono	ME	
Pollard	Jeffrey	Raymond	ME	
Pollard	Mark	Old Town	ME	
Pollard-Ranco	Ann	Orono	ME	
Pomerleau	Reid	Lewiston	ME	
Pontius	Kate	Portland	ME	
Poole	Nate	South Berwick	ME	
Pooler	Emma	Fort Kent	ME	
Pooler	Renee	Caribou	ME	
Porter	Carolyn	Needham	MA	
Porter	Gianna	Whiting	ME	
Porter	Kaylee	Palermo	ME	
Porter	Tate	Cumberland Center	ME	
Potter	Lauren	Glenburn	ME	
Potvin	Matthew	Old Town	ME	

Poulin	Ciera	Fairfield	ME	
Poulin	James	South China	ME	
Powell	Christian	Wayland	MA	
Power	Bryanna	New Gloucester	ME	
Powers	Nick	Medway	ME	
Powhida	Simon	Delmar	NY	
Pratt	Jamie	Barrington	NH	
Pratt	Seth	Cornville	ME	
Pratt-Holt	Nate	Farmington	ME	
Prescott	Thomas	Houlton	ME	
Prescott	William	Orrington	ME	
Prest	Jake	West Roxbury	MA	
Preston	Reese	Windham	ME	
Pribylova	Vendula	Unicov		Czech Republic
Price	Justin	Suffield	CT	
Proctor	James	Wilton	NH	
Prodehl	Jena	Arnold	MD	
Profenno	Lucas	Portland	ME	
Protheroe	Emily	South Thomaston	ME	
Prown	Graeme	Rose Valley	PA	
Pushard	Matt	Brewer	ME	
Qualey	Sara	Norridgewock	ME	
Quimby	Ben	Old Town	ME	
Quinn	Hannah	Ipswich	MA	
Quinn	Izzy	Columbus	OH	
Quinn	Liam	Scituate	MA	
Quirion	Briana	Benton	ME	
Radcliffe	Ethan	Carmel	ME	
Rae	Polly	Buxton	ME	
Raffier	Katie	Jacksonville	FL	
Raimondi	Abby	Groveland	MA	
Ramirez	Ande	Orono	ME	

Rand	Emily	Billerica	MA	
Raven	Kristen	Thorndike	ME	
Raymond	James	Brewer	ME	
Raymond	Kaylyn	Hermon	ME	
Re	Bridget	Pittsburgh	PA	
Reddish	Courtney	Canton	MA	
Reed	Eva	Augusta	ME	
Reed	Joey	Topsham	ME	
Reese	Abigail	Wells	ME	
Reese	Nate	Veazie	ME	
Reese	Olivia	Pittsford	NY	
Reeves	Mindy	Old Town	ME	
Regan	Aidan	Cumberland Center	ME	
Regan	Julia	Quincy	MA	
Reichel	Melissa	Hampden	ME	
Reid	Emily	Dighton	MA	
Reid	Katie	North Weymouth	MA	
Reid	Nate	Orono	ME	
Reiley	Michael	Brooklin	ME	
Reilly	Samantha	Bayonne	NJ	
Renzulli	Mike	Fairfield	CT	
Reppond	Alex	Saco	ME	
Reynolds	Ashley	Dexter	ME	
Rhoads-Doyle	Collin	Holden	ME	
Rhoads-Doyle	Jamison	Holden	ME	
Rhoten	Jordan	Highland	IN	
Rhyder	Madison	Coplay	PA	
Rich	Emma	Wakefield	MA	
Richard	Sam	Standish	ME	
Richards	Jeremy	Westbrook	ME	
Richards	Jordan	Orono	ME	
Richards	Kailey	Eddington	ME	

Richardson	Emma	Blue Hill	ME	
Richardson	Jeremiah	Rumford	ME	
Richardson	Julia	Windham	ME	
Richmond	Dylan	Mason Township	ME	
Ricker	Ashley	Hampden	ME	
Ricker	Sammi	Winterport	ME	
Rideout	Angela	Newburgh	ME	
Rideout	Faith	Oxford	ME	
Rideout	Lynzi	Winn	ME	
Rider	Julia	Brunswick	ME	
Ridge	Leah	Gray	ME	
Ridgell	Colin	Arlington	VA	
Ridley	Colin	Harwich	MA	
Ridley	Emma	West Baldwin	ME	
Rigazio	Jack	Andover	MA	
Riley	Bryan	Augusta	ME	
Riley	Madison	Williamsport	MD	
Riley	Makala	Searsport	ME	
Riley	Olivia	Brockton	MA	
Rinne	Claire	Walpole	MA	
Ritchey	Nicole	Coralville	IA	
Ritter	Tyler	Jay	ME	
Roach	Mason	Scarborough	ME	
Roberts	Gwyneth	Cape Elizabeth	ME	
Robinson	Garrett	Eliot	ME	
Robinson	Haley	Hollis Center	ME	
Robinson	Kaitlyn	Frankfort	ME	
Robinson	Kaleb	Thomaston	ME	
Robinson	Morganne	Palmyra	ME	
Robinson	Zeke	Farmington	ME	
Rocheleau	Danny	Saint Albans	VT	
Rocks	Morgan	Jonesport	ME	
Rockwell	Chandler	Sebec	ME	

Rodas	Darissa	North Providence	RI	
Roderick	Alexandra	Brunswick	ME	
Rodriguez	Sethany	Veazie	ME	
Roehrich	Kacey	Flanders	NJ	
Roerden	Tom	Norton	MA	
Rogers	Drew	Colchester	VT	
Rogers	Harley	Lincoln	ME	
Rogers	Kirstie	Winslow	ME	
Rogers	Mikayla	Saint Paul	MN	
Rogers	Olivia	Pembroke	MA	
Rollins	Logan	Pittsfield	ME	
Roman	Victoria	Alexandria	NH	
Romanoski	Reilly	Strong	ME	
Romick Barrell	Joey	Milford	CT	
Romprey	Allie	Saco	ME	
Ronzo	John	Scarborough	ME	
Rooms	Caitlyn	Woodbridge	VA	
Rooney	Will	Darien	CT	
Roos	Taylor	Orono	ME	
Roosa	Breann	Milford	ME	
Roper	Jake	Bethel	CT	
Rosati	Antonia	Medford	MA	
Rose	Dillon	Goldvein	VA	
Rose	Hannah	North Yarmouth	ME	
Rose	Nick	Raymond	ME	
Rosenbaum	Ben	Topsfield	MA	
Rosenberg	Madysyn	Bowdoin	ME	
Rosenberger	Will	Poland	ME	
Rosenthal-Baxter	Andrew	West Hartford	CT	
Rotter-Weller	Nick	Rolling Hills Estates	CA	
Round	Elizabeth	North Andover	MA	
Rowe	Emma	Bangor	ME	

Rowell	Olivia	Eliot	ME	
Roy	David	Fort Kent	ME	
Roy	Patrick	Elkridge	MD	
Roy	Tanya	Vernon Rockville	CT	
Rudis	Jarrold	Berwick	ME	
Ruhlin	Olivia	Cornish	ME	
Rule	Jessica	Orono	ME	
Rush	Kiera	Hudson	ME	
Russell	Ashley	Readfield	ME	
Russell	Rianna	Windham	ME	
Russell	Rich	Jefferson	MA	
Russell	Sophie	York	ME	
Russo	Vincent	Poland	ME	
Rutter	Hayley	Hermon	ME	
Ryan	Ally	Leeds	ME	
Ryan	Tim	Holliston	MA	
Ryckman	Matt	Orono	ME	
Sabatino	Lauren	Scarborough	ME	
Sabourin	Mary	Stow	MA	
Sachs	Bailey	Las Vegas	NV	
Sainsbury	Chelsea	Watertown	CT	
Salafia	Anthony	Portland	ME	
Salisbury	Corey	Orono	ME	
Salisbury	Will	Temple	ME	
Salter	Breanna	Voluntown	CT	
Saltzman	Lydia	Beverly	MA	
Sample	Riley	Montgomery	TX	
Sands	Gabby	Plymouth	ME	
Santerre	Sarah	Bangor	ME	
Sargent	Jamie	South Portland	ME	
Saucier	Haley	Milford	ME	
Saulter	Sammi	Waterville	ME	
Saunders	Thomas	Swanville	ME	

Sauvageau	Hayden	Sterling	CT	
Savage	Spencer	Caribou	ME	
Savoie	Nick	Hampden	MA	
Schaab	Anna	Farmingdale	ME	
Schaff	Joshua	Oakland	ME	
Schaffer	Claire	Berlin	MA	
Schatzabel	Brennan	Kennebunk	ME	
Schell	Vinny	Oceanside	NY	
Schena	Chris	Middleton	MA	
Schmidt-Svejstrup	Jacob	Charlottenlund		Denmark
Schnee	Julia	Milford	ME	
Schneider	Julia	Durham	ME	
Schneider	Lydia	Bowdoinham	ME	
Schneiderat	Alexis	Brunswick	ME	
Schneier	Josh	Orono	ME	
Schnetzer	Jack	Belfast	ME	
Schnorr	Ming	Dixfield	ME	
Schrader	Jared	Denmark	ME	
Schrader	Joe	Denmark	ME	
Schrecengost	Alyx	Hackettstown	NJ	
Schuman	Rebecca	Topsham	ME	
Schumann	Anna	Moers		Germany
Schwehm	Maya	Boothbay	ME	
Scillia	Aaron	Ellsworth	ME	
Scott	Caden	Portland	ME	
Scott	Carlton	Catonsville	MD	
Scott	Elliot	Somers	CT	
Scott	Gabby	Peru	ME	
Scott	Madeleine	Coventry		United Kingdom
Scott	Rachel	Presque Isle	ME	
Scott-Mitchell	Abby	Naples	ME	
Scruton	Emily	Framingham	MA	
Searing	Llewellyn	Altamont	NY	



Searle-Belanger	Brogan	Saco	ME	
Seekins	Jordan	Glenburn	ME	
Segal	Sydney	Windham	ME	
Segovia	Remy	Wiscasset	ME	
Seifeldin	Karim	Exeter	ME	
Seile	Nick	Augusta	ME	
Seitz	Sarah	Orono	ME	
Sellinger	Sydney	Baltimore	MD	
Semmel	Sierra	Dedham	ME	
Seneres	Kenneth	Saco	ME	
Senesac	Cal	Colchester	CT	
Sereyko	Kasha	Lowell	ME	
Sernyk	Isabella	Windham	ME	
Sewell	Marissa	Eliot	ME	
Shane	Andrea	Vinalhaven	ME	
Shannon	Logan	Orono	ME	
Sharp	Alainna	Glen Gardner	NJ	
Sharples	Caitlyn	Buxton	ME	
Shaw	Adam	Orono	ME	
Shaw	Alia	Cutler	ME	
Shaw	Mari	Mapleton	ME	
Shaw	Nathanael	South Paris	ME	
Shea	Maeve	Brunswick	ME	
Sheets	Jodie	Hebron	ME	
Shen	Zhecheng	Orono	ME	
Shepardson	Victoria	South Windsor	CT	
Shepley	Chris	Winchester	VA	
Sherman	Nicholas	Hodgdon	ME	
Shipsey	Olivia	Arrowsic	ME	
Short	Grace	Orono	ME	
Shortt	Cullen	Bangor	ME	
Shotwell	Grant	Bethel	ME	
Shultz	Nathan	Oxford	MA	

Shusda	Jocelyn	Swanton	VT	
Sibley	Ethan	Lincoln	ME	
Siciliano	Gabbie	Simi Valley	CA	
Sigler	Thomas	Northport	ME	
Sikora	Cowan	Sandyston	NJ	
Siladi	Skye	Montville	ME	
Silva	Camilla	Framingham	MA	
Silva	Michele	Teaneck	NJ	
Silver	Maya	Bangor	ME	
Silvera	Jasmine	Lowell	MA	
Silverbrand	Sam	Buzzards Bay	MA	
Simonds	Katie	Pittsfield	MA	
Simonds	Meaghan	Hampden	ME	
Simpson	Bentley	Orono	ME	
Simpson	Clara	Winterport	ME	
Sitz	Eliza	Kingfield	ME	
Skidgel	Chrissy	Caribou	ME	
Skvorak	Katie	Windham	ME	
Slade	Carrie	Watervliet	NY	
Slattery	Bobby	Old Orchard Beach	ME	
Slocum	Caitlin	Old Town	ME	
Smat	Petra	Brunswick	ME	
Smestad	Anna	Corinna	ME	
Smith	Adam	Milford	ME	
Smith	Andrew	Saco	ME	
Smith	Baylee	Glenburn	ME	
Smith	Dylan	Saco	ME	
Smith	Emma	Old Town	ME	
Smith	Evan	Hollis Center	ME	
Smith	Gabby	Mechanic Falls	ME	
Smith	Grace	Holden	ME	
Smith	Jackson	Westborough	MA	
Smith	Jasmine	Old Town	ME	

Smith	Jessie	Orono	ME	
Smith	Julia	Gorham	ME	
Smith	Mari	Farmingdale	ME	
Smith	Melanie	Cranford	NJ	
Smith	Peyton	Hampden	ME	
Smith	Shannon	Orono	ME	
Smith	Travin	Gray	ME	
Smoloski	Rob	Wye Mills	MD	
Smoter	Michael	Bridgeview	IL	
Snieckus	Emily	Barkhamsted	CT	
Snow	Anna	Stetson	ME	
Snyder	Miranda	Brimfield	MA	
Sobiech	Megan	Eagan	MN	
Solans	Paige	Poolesville	MD	
Soler	Shania	Orono	ME	
Solomon	Brent	Bangor	ME	
Somers	Maggie	Hallowell	ME	
Somes	William	Ellsworth	ME	
Sommer	Jasper	Portland	ME	
Soper	Nick	Trenton	ME	
Sorenson	Erika	Shrewsbury	MA	
Soucy	Aaron	Madawaska	ME	
Soucy	Allison	Van Buren	ME	
Soucy	Collin	Bangor	ME	
Soucy	Emilienne	Old Town	ME	
Soucy	Emma	West Hartford	CT	
Soucy	Nick	Harrison	ME	
Soule	Keenan	Hampden	ME	
Souza Cunha	Ana Eliza	Orono	ME	
Spagnolo	Katie	Old Orchard Beach	ME	
Spalla	Arielle	Yorktown	VA	
Sparks-Willey	Isaac	Scarborough	ME	
Spear	Betsy	Holden	ME	

Speck	Birte	Reinheim		Germany
Speers	John	Rocky Hill	CT	
Spencer	Madison	Hermon	ME	
Sperry	Emma	Westbrook	ME	
Spezia	Sarah	Eliot	ME	
Spicer	Cam	Erie	CO	
Sprecher	Emily	Dover-Foxcroft	ME	
Springer	Brooke	Glenburn	ME	
St. Jarre	Matt	Randolph	ME	
St. Peter	Mitch	Caribou	ME	
Staebler	Alena	Sindelfingen		Germany
Stahle	Madison	Orono	ME	
Stanislaski	Kate	Somerville	MA	
Stanley	Lexi	Plattsmouth	NE	
Stanley	Will	Bangor	ME	
Stark	Sam	Falmouth	ME	
Stasinos	Evan	Peabody	MA	
Steele	Cassie	Windham	ME	
Stenger	Matthew	Orono	ME	
Stephens	Meredith	Derwood	MD	
Stephens	Sophie	York	ME	
Steva	Benjamin	Saco	ME	
Stevens	Cody	Oakland	ME	
Stevens	Emily	Old Town	ME	
Stevens	Isabelle	Smithfield	RI	
Stevens	Jane	Upper Tantallon	NS	Canada
Stevenson	Olivia	Orono	ME	
Steward	Austin	Orono	ME	
Stewart	James	North Berwick	ME	
Stewart	Mitchel	Bristol	ME	
Stewart	Sarah	Groveland	MA	
Stickney	Max	Cumberland Center	ME	

Stillman	Ezra	Saco	ME	
Stimpson	Dillon	Fairfield	CT	
Stinson	Mack	Brunswick	ME	
Stjean	Drew	Stillwater	ME	
Stockley	Leela	Chester	ME	
Stojiljkovic	Ilija	Nis		Republic of Serbia
Stokes	Liam	Augusta	ME	
Stone	Samuel	Mechanic Falls	ME	
Storey	Nathan	North Stonington	CT	
Storgaard	Sarah	Orono	ME	
Stover	Austin	Ellsworth	ME	
Strasko	Paige	Easton	PA	
Strauch	Cassandra	Marysville	OH	
Street	Caty	Harwich	MA	
Strickler	James	Tewksbury	MA	
Strolie	Caroline	Phoenix	AZ	
Stromvall	Kayla	Winterport	ME	
Stronach	Rachel	Tewksbury	MA	
Stroud	Luke	Hope	ME	
Struba	Anna	Belfast	ME	
Struppe	Lasse	Gloucester	MA	
Stryker	Cait	Tyngsboro	MA	
Studholme	Maeve	North Easton	MA	
Stupak	Lauren	Oakton	VA	
Stymiest	Aaron	Corinth	ME	
Suchovic	Jessie	Port Murray	NJ	
Sudbeck	Casey	Bangor	ME	
Sudol	Sabrina	Ramsey	NJ	
Sudol	Samantha	Ramsey	NJ	
Sulinski	Brooke	Old Town	ME	
Sullivan	Amanda	Orono	ME	
Sullivan	Cameron	Old Town	ME	
Sullivan	Eric	Augusta	ME	

Sullivan	Natalie	Malden	MA	
Sulloway	Lucien	Bridgton	ME	
Sult	Charles	Lisbon Falls	ME	
Sutton	Kaitlyn	North Kingstown	RI	
Swanson	Katie	Hampden	ME	
Swazey	Jessica	Bucksport	ME	
Sweeney	Jessie	Hampden	ME	
Sweeney	Thalia	Readfield	ME	
Swett	Sara	Glen Ridge	NJ	
Swope	Samuel	Eagle Lake	ME	
Syphers	Lauren	Orono	ME	
Sytner	Joshua	Tenaflly	NJ	
Szewczyk	Thomas	Bangor	ME	
Szumilas	Kendall	Bucksport	ME	
Szwez	Nicholas	Penobscot	ME	
Tacheny	Zoe	Carthage	ME	
Tam	Kaylin	Dollard-des-Ormeaux	QC	Canada
Tamvaklis	Stacey	Dracut	MA	
Tanner	Chris	Brunswick	ME	
Tanner	Tiffany	Brunswick	ME	
Tanous	Haid	South Paris	ME	
Tapley	Chase	Lewiston	ME	
Taplin	Dylan	Ellsworth	ME	
Tarr	Emily	Holden	ME	
Tauke	Jake	Old Town	ME	
Taylor	Alec	South Berwick	ME	
Taylor	Avery	Kingfield	ME	
Taylor	Sara	Anson	ME	
Taylor	Sara	Cape Elizabeth	ME	
Tefft	Kenzie	Orrington	ME	
Teisl	Deven	Holden	ME	
Temple	Kylie	Richmond	ME	

Tereshkina	Dasha	Chelyabinsk		Russian Federation
Tero	Ben	Portland	ME	
Tesini	Nicolas	Bolton	MA	
Testa	Maddy	Gray	ME	
Thayer	Rose	Sutton	MA	
Theriault	Liz	Saint David	ME	
Theriault	Zach	Cumberland Center	ME	
Thibodeau	Arend	Harmony	ME	
Thibodeau	Gage	Levant	ME	
Thibodeau	Kathleen	Westbrook	ME	
Thieme	Rachel	Topsham	ME	
Thistle	Hannah	Auburn	ME	
Thoman-Thurber	Eryk	Foster	RI	
Thomas	Katherine	Garland	ME	
Thomas	Osiris	Kennebunk	ME	
Thomas	Spencer	Fryeburg	ME	
Thomas	Walker	Sidney	ME	
Thomas	Zach	Kingston	NH	
Thompson	Benjamin	Contoocook	NH	
Thompson	Garrison	Durham	ME	
Thompson	Kaitlyn	Kingston	MA	
Thompson	Kristen	Colchester	VT	
Thompson	Marissa	Bucksport	ME	
Thornton	Kelcey	Readfield	ME	
Throckmorton-Hansford	Phoenix	Orono	ME	
Tibbetts	Brian	Sidney	ME	
Tibbetts	Cassidy	Litchfield	ME	
Tiernan	Holly	South Glastonbury	CT	
Tilton-Flood	Lilla	Clinton	ME	
Tims	Katie	Cornish	ME	
Tisdale	Denise	Old Town	ME	
Tiuraniemi	Veli	Oulu		Finland

Tobey	Ali	Orono	ME	
Todd	Sara	Bar Harbor	ME	
Todd	Spencer	Portland	ME	
Tolmasoff	Arlena	Bucksport	ME	
Tomak	Emily	Wellsville	NY	
Tome	Erin	Topsham	ME	
Toolan	Brian	Newburyport	MA	
Toomey	Niamh	Auburn	MA	
Toothaker	Alec	Ellsworth	ME	
Toothaker	Mallory	Kingfield	ME	
Topper	Izzy	Hudson Falls	NY	
Toppin	Kayla	Columbia Falls	ME	
Torchia	Brittany	Jewett City	CT	
Toussaint	Ral	Madawaska	ME	
Towle	Nathan	Newcastle	ME	
Towle	Tanner	Smithfield	ME	
Towne	Julia	Kennebunk	ME	
Townsend	Kerri	Collegeville	PA	
Trebilcock	Katie	Topsham	ME	
Tremblay	Isaac	Mariaville	ME	
Treworgy	Annie	Levant	ME	
Triana	Jen	Prospect	CT	
Trombley	Alyssa	Mapleton	ME	
Trott	Ethan	South Berwick	ME	
Trusty	Yuri	Bangor	ME	
Tum	Yasmeen	Portland	ME	
Turgeon	Kasidy	Chelsea	ME	
Turner	Ben	Warren	ME	
Turner	Jen	Hollis Center	ME	
Turner	Mac	Washburn	ME	
Turner	Natashia	Newburgh	ME	
Turner	Olivia	West Gardiner	ME	
Turso	Mike	Ramsey	NJ	



Tuttle	Savannah	Waterville	ME	
Twist	Jill	Belgrade	ME	
Tyler	Caleb	Palermo	ME	
Urli	Stephen	Massapequa	NY	
Urquhart	Alyssa	Alna	ME	
Usilton	Haley	South Royalton	VT	
Vaccaro	Isaac	Kennebunk	ME	
Vadala	Owen	Rowley	MA	
Vaidya	Nikhil	Orono	ME	
Vail	Blaize	Portland	ME	
Valente	Maria	New Gloucester	ME	
van der Schaaf	Jane	Union	ME	
Van Duijn	Claudio	Blue Hill	ME	
Van Gorden	Rachel	Stillwater	NJ	
van Kampen	Emma	Brunswick	ME	
Van Newkirk	Sean	Natick	MA	
Van Steenberghe	Julia	Old Town	ME	
Van Tassell	Joel	Lyman	ME	
Vanaria	Tatiana	Lunenburg	MA	
VanDerburgh	Sophie	Portland	ME	
Vankirk	James	Old Town	ME	
Varga	Samuel	Orono	ME	
Vargo	Alyssa	Brewer	ME	
Varney	Abigail	Turner	ME	
Varney	Devon	Pittsfield	ME	
Varney	Dylan	Windham	ME	
Varney	Hannah	Turner	ME	
Veenhof	Anthony	Orono	ME	
Venema	Taylor	Spring Lake	MI	
Verrill	Cameron	Hermon	ME	
Verrill	Caroline	New Gloucester	ME	
Vibert	Olivia	Unionville	CT	
Vidas	Evan	Orrington	ME	

Viekman	Joshua	Dixmont	ME	
Viekman	Sarah	Dixmont	ME	
Vise	Zach	Boothbay Harbor	ME	
Vo	Gina	Bangor	ME	
Vogel	Chris	Bangor	ME	
Volk	Lilly	Scarborough	ME	
Vose-Gimbel	Jack	South Portland	ME	
Wadsworth	Anna	Washington	ME	
Wagabaza	Gabrielle	Portland	ME	
Wagner	Sarah	Westbrook	ME	
Waite	Jasmine	Southport	ME	
Walker	Danica	Caribou	ME	
Walker	Kaylee	Bath	ME	
Walker	Rilee	Hampden	ME	
Wallace	Abby	Wilton	ME	
Wallace	Hadley	Auburn	ME	
Wallace	Ivy	Lamoine	ME	
Walsh	Katelyn	Hermon	ME	
Walsh	Liz	Benton	ME	
Walz	Anna	Veazie	ME	
Wang	Lu-Hsiang	Taipei City		Taiwan, Province of China
Ward	Emmy	Ellington	CT	
Ward	Hannah	Bangor	ME	
Ward	Michelle	Biddeford	ME	
Ward	Spencer	Orono	ME	
Wardwell	Alyssa	Limerick	ME	
Warren	Emmy	Oakland	ME	
Warren	Jesse	Buckfield	ME	
Washburn	Brooklyn	Durham	ME	
Waterman	Ben	Yarmouth	ME	
Watkins	Nathaniel	Old Town	ME	
Watras	Emma	Seal Cove	ME	

Watson	Alex	Brimfield	MA	
Watson	Allison	Denmark	ME	
Watson	Jana	Corinth	ME	
Watson	Julie	Mendon	MA	
Watt Arroyave	Alejandro	Warwick	RI	
Weaver	Jacqui	North Haven	CT	
Webb	Jarod	Old Town	ME	
Webber	Anna	Bangor	ME	
Webber	Josh	Springvale	ME	
Webber	Matthew	Springvale	ME	
Weber	Pat	Marshfield	MA	
Weeks	Rebecca	Lynnfield	MA	
Weigang	Abby	Shawmut	ME	
Weisenberger	Jake	Salem	MA	
Welborn	Hannah	Wiscasset	ME	
Welch	Alexis	Orono	ME	
Welch	Brieanna	Bangor	ME	
Welch	Dayle	Westford	MA	
Welch	Sarah	Pittsfield	ME	
West	Bailey	Stockton Springs	ME	
West	Bronwyn	Liberty	ME	
West	Ian	Jackman	ME	
Westfield	Austin	Whitehouse Station	NJ	
Westhaver	Kate	Nobleboro	ME	
Westman	Zachary	York	ME	
Wheeler	Gideon	Bowdoin	ME	
Wheeler	Justin	Old Town	ME	
Wheeler	Mickala	Orono	ME	
White	Devon	Orono	ME	
White	Patrick	Waldoboro	ME	
White	Tanner	Baileyville	ME	
Whitney	Ava	Hanover	MA	
Whitney	Laura	Great Pond	ME	

Whittemore	Emily	Poland	ME	
Wibby	Jessica	South Portland	ME	
Wicks	Natalie	Readfield	ME	
Wiggins	Breanna	Brunswick	ME	
Wiggins	Justin	Orono	ME	
Wilcox	Adam	Warren	ME	
Wilkes	Maddie	Durham	ME	
Wilkins	Alex	Raymond	ME	
Wilkins	Brad	Old Town	ME	
Wilkinson	Ella	Southampton	PA	
Willette	Bailey	Bedford	NH	
Willey	Emma	Monmouth	ME	
Williams	Ben	Cumberland Center	ME	
Williams	Emma	Wilton	ME	
Williams	J.T.	New Sharon	ME	
Williams	Jacob	Orono	ME	
Williams	Juliet	Bangor	ME	
Williams	Kat	New Bern	NC	
Williams	Michael	Orono	ME	
Williams	Mookie	Cape Elizabeth	ME	
Williams	Taylor	Presque Isle	ME	
Willis	Mark	West Paris	ME	
Wilson	Andrew	Solon	ME	
Wilson	Bruce	Milford	ME	
Wilson	Genny	Guilford	CT	
Wilson	Hannah	Berwick	ME	
Wilson	Sam	Fairfield	ME	
Winslow	Byron	Veazie	ME	
Winters	Chavaleh	Bangor	ME	
Witting	Jacob	Penobscot	ME	
Wojchowski	Austin	Cape Elizabeth	ME	
Wojciak	Andrew	Merrimack	NH	

Wojdakowski	Kelsey	Orono	ME	
Wolfe	Kaitlin	Walpole	MA	
Wolfenden	Jack	North Andover	MA	
Wolfington	Johnny	Milford	ME	
Wollard	Aran	Maplewood	NJ	
Wone	Jamie	Pittsfield	ME	
Wood	Kyle	Lincolnvillle	ME	
Woodhouse	Daniel	South Portland	ME	
Woods	Brittany	New Sharon	ME	
Woods	Stephanie	Wells	ME	
Woodward	Sam	South Portland	ME	
Woodworth	Fran	Rockport	ME	
Woolfolk	Matthew	Mount Desert	ME	
Word	Leah	Old Town	ME	
Worgull	Max	Bangor	ME	
Worster	Rachel	Brownville	ME	
Wright	Declan	Owls Head	ME	
Wright	Haleigh	Ticonderoga	NY	
Wright	Janay	South Berwick	ME	
Wright	Kelsey	South Berwick	ME	
Wyman	Richard	Searsmont	ME	
Xiao	Kelly	Orono	ME	
Yamaguchi	Takuto	Chigasaki		Japan
Yarbrough	Brynn	Wrentham	MA	
Yoder	Tate	Penobscot	ME	
Yoon	Jane	Hwaseong-Si		Korea, Republic of
York	Bryant	Jefferson	ME	
Yost	Sierra	Windham	ME	
Yost	Thilee	Damariscotta	ME	
Young	Caryl	Cherryfield	ME	
Young	Lexi	South Berwick	ME	
Young	Madelyn	Owls Head	ME	
Young	Savannah	Manchester	NH	

Yusim	Asher	Scarborough	ME	
Zaher	Nicholas	Chelmsford	MA	
Zakian	Max	Biddeford	ME	
Zanin	Matt	Lexington	MA	
Zenga	Anthony	Easton	PA	
Zepeda	Sebastian	Dover-Foxcroft	ME	
Zikova	Anna	Cesky Tesin		Czech Republic
Zinke	Sierra	Canaan	CT	
Zmistowski	Anna	Veazie	ME	
Zoroya	Zach	Bangor	ME	
Zou	Karen	Quincy	MA	
Zucca	Kelvy	New Milford	CT	
Zuras	Everett	Presque Isle	ME	

#### Fall 2018 Dean’s List by Maine counties

[Androscroggin County](#)  
[Aroostook County](#)  
[Cumberland County](#)  
[Franklin County](#)
[Hancock County](#)
[Kennebec County](#)  
[Knox County](#)
[Lincoln County](#)  
[Oxford County](#)
[Penobscot County](#)
[Piscataquis County](#)  
[Sagadahoc County](#)  
[Somerset County](#)
[Waldo County](#)
[Washington County](#)  
[York County](#)

#### Androscroggin County

**Auburn:** Alexis Bellefleur, Faith Daye, Sarah Hammond, Emily Hayes, Kaylee Jipson, Alex Landry, Rebecca Levasseur, Dylan Miller, Emma Paradie, Lydia Peterson, Hannah Thistle, Hadley Wallace **Durham:** Julia Schneider, Garrison Thompson, Brooklyn Washburn, Maddie Wilkes **East Poland:** Lauren Emery **Greene:** David Buckley, Averie Cloutier, Cliff Greco, Nicole Hofacker **Leeds:** Lily Comeau-Waite, Andrew Lachapelle, Ally Ryan **Lewiston:** Ciera Belanger, Andrew Bilodeau, Ryan Handlon, Reid Pomerleau, Chase Tapley **Lisbon:** Jasmin Le, Kaylin Le **Lisbon Falls:** Samantha Bolduc, Charles Sult **Livermore:** Amber Delaney, Jacob Foss, Luke Greenwood **Livermore Falls:** Tanna Herlihy **Mechanic Falls:** Hope Kohtala, Gabby Smith, Samuel Stone **Minot:** Jordan Gregory, Evan LaPointe **Poland:** Erin Brewer, Lizzy Champagne, Mackenzie Foster, Paisley Keene, Jada Lamb, Jasmine Lamb, Will Rosenberger, Vincent Russo, Emily Whittemore **Sabattus:** Mikki Gervais **Turner:** Anthony DeGone, Julia Dillingham, Chad Morin, Abigail Varney, Hannah Varney **Wales:** Sadie Goulet

#### Aroostook County

**Ashland:** Peng Cheng, Lucas Craig **Bridgewater:** Clark Bradbury **Caribou:** Molly Adams, Alec Cyr, Meagan Dube, Kate Finnemore, Jillian Flynn, Ax Gerakaris, Michael Hunter, Emma Jandreau, Chathu Karunasiri, Kris Michaud, Kaitlin Nadeau, Morgan Outing, Renee Pooler, Spencer Savage, Chrissy Skidgel, Mitch St. Peter, Danica Walker **Cary Plantation:** Grace Graham **Crystal:** Mataya Hartin **Eagle Lake:** Samuel Swope **Easton:** Francesca Armstrong, Madison Leach **Fort Fairfield:** Thomas Krause **Fort Kent:** Christopher Birden, Lily Brickman, Eric Deschene, Emma Pooler, David Roy **Frenchville:** Justin Pelletier **Hamlin:** Isabel Parent **Hodgdon:** Nicholas Sherman **Houlton:** Sarah Delano, Emma Gallop, Ella Glatter, Dakota Gramour, Lily Hanning, Jill Howland, Emma Peterson, Thomas Prescott **Linneus:** Christian Crane, Tabetha Ganzel **Littleton:** David Gogan **Ludlow:** Sydney Howell **Madawaska:** Alexis Cote, Alex Daigle, Courtney Daigle, Tim Deschenes, Ben Hebert, Evan Hebert, Chelsea Pelletier, Aaron Soucy, Ral Toussaint **Mapleton:** Aubrie Gross, Ryan Lavway, Sarah Morneault, Mari Shaw, Alyssa Trombley **New Canada:** Jonny Blanchette **Presque Isle:** Miranda Flannery, Katelyn Ford, Emily Lagerstrom, Lindsey Lagerstrom, Rachel Scott, Taylor Williams, Everett Zuras **Saint Agatha:** Daniel Coulombe, Gabriela Cyr **Saint David:** Liz Theriault **Sinclair:** Dorothy Harris **Smyrna Mills:** Dylan Crockett **Stockholm:** Evan Desmond **Van Buren:** Allison Soucy **Washburn:** Mac Turner

#### Cumberland County

**Bridgton:** Ben Johnson, Lucien Sulloway **Brunswick:** Forrest Blankenship, Tobyn Blatt, Erin Bradstreet, Max Burtis, Rae Buzzell, Julia Casey, Josh Clark, Harrison Cyr, Jameson Cyr, Zoe Donovan, Shannah Duffy, Kyle Hanson, Adam Jarosz, Samuel Leavitt, Zoe Marotto, Libbey Masse, Anna McMillan, Sammi Moore, Ani Parker, Nicole Pelletier, Julia Rider, Alexandra Roderick, Alexis Schneiderat, Maeve Shea, Petra Smat, Mack Stinson, Chris Tanner, Tiffany Tanner, Emma van Kampen, Breanna Wiggins **Cape Elizabeth:** Katie Connelly, Thomas Gleeson, Lauren Grey, Sydney Hallowell, Ryan Harvey, Erin McGlynn, Gwyneth Roberts, Sara Taylor, Mookie Williams, Austin Wojchowski **Casco:** Emily Jackson **Chebeague Island:** Jason Auffant **Cumberland Center:** Oliver Adams, Silvia Baxter, Noah Boisvert, Ryan Bray, Nathan Bryant, Zoe Fluet, Mika Gallati, Aidan Greenlee, Liam Greenlee, Colin Grove, Noah Loveless, Marissa Martel, Ryan McGinty, Ben Otte, Alexandra Peary, Tate Porter, Aidan Regan, Max Stickney, Zach Theriault, Ben Williams **Cumberland Foreside:** Kevin Cass, John Donahoe, Alex Nason, Jack Pacent **East Baldwin:** Jordan Miner **Falmouth:** Tom Adams, Molly Bennett, Alex Britton, Jack Britton, Sara Chamard, Erin Cianchette, Andy Clement, Evie Clement, Nigel Dunn, Mary Giglio, Matthew Gramse, Mike Gramse, Kat Kane, Kevin Kane, Kali Mildrum, Jonah Paris, Sam Stark **Freeport:** Kiley Davan, Lexi Dietrich, Blake Enrico, Leah Harrison, Peter LaMagna, Ryan Moyer, Jake Perry **Gorham:** Mary Adams, Caitlyn Beaulieu, Ryan Bertin, Delaney Burns, Adam Chapman, Megan Demers, Izzie Grant, Kaitlyn Jodoin, Branden Kuusela, Mitchel Letourneau, Rebecca Lord, Grace McGouldrick, Jeff McNally II, Maddie Mitchell, Ethan Orach, Kyle Peoples, Kiana Plumer, Julia Smith **Gray:** Rebecca Archer, Dawsin Blanchard, Abbey Danforth, Elizabeth Davis, Adam Dumas, Austin Gallant, Victor Graviss, Ethan Johnson, Natasha McGowan, Mikayla Morin, Jadon Petty, Evan Plummer, Leah Ridge, Travin Smith, Maddy Testa **Harpswell:** Grant Carrier **Harrison:** Nick Soucy **Naples:** Meghan Boos, Daria Bosworth, Lily Charpentier, Catherine Christiansen, Marcus Devoe, Abby Scott-Mitchell **New Gloucester:** Emma Cadran, Haley Cadran, Dante Castro, Seth Ordway, Bryanna Power, Maria Valente, Caroline Verrill **North Yarmouth:** Christopher Byron, Emily Coyne, Jared DeWolfe, Alex Gerencer, Elly Graham, Camilla Horton, Alyssa Lovering, Hannah Rose **Peaks Island:** Finn Bradenday **Portland:** Marshall Abbott, Juliana Bart, Cam Beressi, Courtney Brett, Bobby Brittingham, Siobhan Densmore, Eedy Doyon, Vianca Espinosa, Joe Esposito, Dominic Guimond, Jim Hannigan, Joe Herboldsheimer, Bronwyn Hughes, Coraly Igraneza, Lenora Lewis, Hua Lin, Leala Machesney, Erin Mahoney, Drew McInnis, Tim McInnis, Emily Mooney, Michael Orne, Kate Pontius, Lucas Profenno, Anthony Salafia, Caden Scott, Jasper Sommer, Ben Tero, Spencer Todd, Yasmeeen Tum, Blaize Vail, Sophie VanDerburgh, Gabrielle Wagabaza **Raymond:** Mitch Eskilson, Liam Flynn, Emily Gagne, Alex Lewis, Cameron Peavey, Jeffrey Pollard, Nick Rose, Alex Wilkins **Scarborough:** Carigan Allie, Jacob Bloom, Emma Budway, Andrew Cashman, Courtney Daly, Kirsten Dennen, Anna Driscoll, Marissa Edwards, Kate Follansbee, Emma Freeman, Roy Garland, Brielle Hardy, Sydney Hersey, Chelsea Hughes, Abe Jordan, Nate Jordan, Katherine Kirk, Connor Langlois, Erica Laplante, Olivia Lappin, Alyssa Lewis, Ethan Lowell, Trevor Morin, Lauren Murphy, Bryce Nitchman, Lauren Page, Gaby Panagakos, Josh Passarelli, Ryan Perry, Mason Roach, John Ronzo, Lauren Sabatino, Isaac Sparks-Willey, Lilly Volk, Asher Yusim **South Portland:** Nick Alvarez, Eduardo Anzures Uroza, Zoe Brown, Taylor Davis, Nick Duffy, Zach Dyer, William Edgar,

Brian Elsemore, Lyndsey Green, Maddison Lengyel, Caleb Marston, Kevan Merrow, Jackman Mickiewicz, Jamie Sargent, Jack Vose-Gimbel, Jessica Wibby, Daniel Woodhouse, Sam Woodward **Standish:** James Conley, Sadie Denico, Sam Richard **Steep Falls:** Andy Martel **West Baldwin:** Emma Ridley **Westbrook:** Dalena Bennett, Tyler Bernier, Elise Bourassa, Sophia Cartonio, Bryan Crouse, Paula Crucianelli, Kallie Cyr, Chris Decker, Rachael Dyer, Arianna Giguere, Anna Giroux, Jaclyn Hazlewood, Reilley Joyce, Jacob Krull, Brady Lynes, Jeremy Richards, Emma Sperry, Kathleen Thibodeau, Sarah Wagner **Windham:** Dominic Agneta, Matthew Aldrich, Eliza Bennett, Hunter Bowen, Jack Burnell, Jamie Leigh Chiles, John Clark, Ian Donnelly, Josh Dugas, Samantha Frank, Amren Frechette, Hanna Griffin, Brian Kelley, Sara Loiselle, Seth Martin, Eli McGill, Erin Merchant, Stephanie Nichols, Eliza Palow, Reese Preston, Julia Richardson, Rianna Russell, Sydney Segal, Isabella Sernyk, Katie Skvorak, Cassie Steele, Dylan Varney, Sierra Yost **Yarmouth:** Sean Cahill, Cailin Darling, Thomas Lord, Kaeleigh Morton, Sarah Oberink, Hannah Peters, Ben Waterman

**Franklin County**

**Carrabassett Valley:** Noah Fournier **Farmington:** Ashley Burnham, Nate Pratt-Holt, Zeke Robinson **Industry:** Miles Pelletier **Jay:** Matthew Nichols, Tyler Ritter **Kingfield:** Katie Maxsimic, Eliza Sitz, Avery Taylor, Mallory Toothaker **New Sharon:** Andrew Gardner, J.T. Williams, Brittany Woods **New Vineyard:** Haley Michienzi **Rangeley:** Haley Morrill **Strong:** Ivy Mitman, Reilly Romanoski **Temple:** Will Salisbury **Wilton:** Devon Hoyt, Jessie Hutchinson, Abby Wallace, Emma Williams

**Hancock County**

**Amherst:** Casco Haley **Bar Harbor:** Molly Brown, Jen Clemens, Matthew Cox, Simon Davis, Sara Todd **Bass Harbor:** Abigail Muscat **Bernard:** Christina Closson **Blue Hill:** Sam Elliott, Jenna Malvin, Kara Morrison, Maya Naisbitt, Erin Niehoff, Emma Richardson, Claudio Van Duijn **Brooklin:** Michael Reiley **Brooksville:** Silas Bates **Bucksport:** Elizabeth Baumann, Danny Bunker, Amanda Carter, Nic Chouinard, Jade Darragh, Ila Grindle, Kaylee Grindle, Jessica Swazey, Kendall Szumilas, Marissa Thompson, Arlena Tolmasoff **Corea:** Kimberly Hunt **Dedham:** Madison Campbell, Daniel Davis, Kate Fogg, Bre Geiser, Sierra Semmel **Deer Isle:** Jordyn Judkins **Ellsworth:** Justin Brown, Mitchell Domagala, Delaney Dow, Jared Hamilton, Jacob Jordan, Haley Lawrence, Kyle Lima, Robert Looker, Jennifer Miers, Ashley Oleson, Chantal Ouellette, Aaron Scillia, William Somes, Austin Stover, Dylan Taplin, Alec Toothaker **Franklin:** Heather Havey, Taylor Merchant **Great Pond:** Laura Whitney **Lamoine:** Elizabeth Dalton, Kristy Eaton, Ivy Wallace **Little Deer Isle:** SooZin Cha, Ennis Marshall **Mariaville:** Brody Campbell, Isaac Tremblay **Mount Desert:** Hannah Edgecomb, Megan Howell, Sam Johnson, Ethan Leonard, Madeleine Macauley, Matthew Woolfolk **Penobscot:** Nicholas Szwez, Jacob Witting, Tate Yoder **Seal Cove:** Emma Watras **Seal Harbor:** Ally Bender **Sorrento:** Madeline Bierman **Sullivan:** Maria Cormier, Warren Higgins, Jim Huff, Andrea Knapp **Sunset:** Nick Dunham **Trenton:** Cassidy Parady, Nick Soper **Waltham:** Nicholas Jordan **Winter Harbor:** Liam Flubacher

**Kennebec County**

**Albion:** Daniel Heard, Kensi Matula **Augusta:** Autumn Brann, Jaimi Clifford, Brandon Emerson, Brandon Gosselin, Jens Hansen, Arthur Hubbard, Courtney King, Marshall McLaughlin, Eva Reed, Bryan Riley, Nick Seile, Liam Stokes, Eric Sullivan **Belgrade:** Jack DiGirolamo, Lucy Guarnieri, Sawyer Michaud, Jill Twist **Benton:** Kaylee Brann, Trevor Marin, Briana Quirion, Liz Walsh **Chelsea:** Mac Creamer, Anna Peterson, Kasidy Turgeon **Clinton:** Hannah Meidahl, Lilla Tilton-Flood **Farmingdale:** Cameron Judge, Anna Schaab, Mari Smith **Fayette:** Abigail Despres, Ashley Harmon, Natalie Harmon **Gardiner:** Jared Alexander, Tavia Noyes **Hallowell:** Jarod Dye, Anna Hodgkins, Maggie Somers **Litchfield:** Hannah Nadeau, Cassidy Tibbetts **Manchester:** Caden Brown, Melissa Garand, Eric Manley, Ben McLaughlin, Mark McLaughlin **Monmouth:** Shannon Buzzell, Brandon Goff, Angus Koller, Anna Kulinski, Emma Willey **Mount Vernon:** Dylan Getchell, Zack Holman **North Monmouth:** Emily Barnett **Oakland:** Andrew Bolduc, Katie Crumrine, Olivia Durkee, Joshua Schaff, Cody Stevens, Emmy Warren **Randolph:** Adam Fortier-Brown, Andrew Moran, Matt St. Jarre **Readfield:** Jillian Beland, Kaitlyn Chick, Karissa Lucas, Ashley Russell, Thalia Sweeney, Kelecy Thornton, Natalie Wicks **Rome:** Lilly DeLisle, Jordan Pelletier **Sidney:** Kyle Bernier, Daeghan Elkin, Kyle Gleason, Hannah Hargrove, Taylor Lenentine, Sarah Martin, Katie Mercier, Lauren Mercier, Taylor Poissonnier, Walker Thomas, Brian Tibbetts **South China:** Lilja Bernheim, Jacob Boudreau, Jared Gartley, Justin Harris, James Poulin **Vassalboro:** Ally Clark Bonsant, Joe Connelly, Kassie Nadeau, Sarah Pleau **Vienna:** Brody Looney **Waterville:** Alan Baez, Al Bernier, Kellie Bolduc, Alex Danner, Hayley Davis, Danny Kornsey, Nicole Pinnette, Sammi Saulter, Savannah Tuttle **West Gardiner:** Mikayla Palmer, Olivia Turner **Windsor:** Jordan Bowie **Winslow:** Andrew Beckwith, Haley Campbell, Hannah Comfort, Devon Gleason, Adam Green, Sierra Harmon, Heather Homack, Colette Latendresse, Brea Martin, Hunter McCaslin, Maddy Morneault, Kirstie Rogers **Winthrop:** Kevin Chamberland, Matt Ingram, Lydia Lavoie

**Knox County**

**Camden:** Izzy Gutheinz, Tom Libby, Katherine Orne **Cushing:** Kelsey Brooks, R.J. Hall **Friendship:** Alexia Hilt **Hope:** Tristan Fong, Henry Laurita, Luke Stroud **Owls Head:** Alexis Pine, Declan Wright, Madelyn Young **Rockland:** Julia Barbour, Lili Bonarrigo, Jenna Conant, Zach Peaco **Rockport:** Matt Ackley, Abigail Annis, Molly Davee, Jesse Fraser, Juliana Haynes, Hilary Merrifield, Charlotte Messer, Frances Pendleton, Fran Woodworth **South Thomaston:** Rachel Johnson, Mabel Monroe, Sarah Penney, Emily Protheroe **Tenants Harbor:** Sierra Beal **Thomaston:** Cassidy Boynton, Kaleb Robinson **Union:** Jane van der Schaaf **Vinalhaven:** Andrea Shane **Warren:** Sophie Cohen, Billy Olmsted, Ben Turner, Adam Wilcox **Washington:** Jane Horovitz, Lindsey Lewis, Patrick Madden, Anna Wadsworth

**Lincoln County**

**Alna:** Andrew Hutchins, Alyssa Urquhart **Boothbay:** Maya Schwehm **Boothbay Harbor:** Connor Demmons, Sydney Meader, Zach Vise **Bristol:** Kevin Fitzpatrick, Mitchel Stewart **Damariscotta:** Noah Begin, Brianna Genthner, Noah Jordan, Jon Pinkham, Thilee Yost **Jefferson:** Lily Bragg, Bryant York **Newcastle:** Aidan Manahan, Nathan Towle **New Harbor:** Ashley Mason **Nobleboro:** Aidan O’Brien, Kate Westhaver **Southport:** Jasmine Waite **Waldoboro:** Alison Nolan, Patrick White **Whitefield:** JaHann Lowe **Wiscasset:** Aidan Carlson, Maeve Carlson, Remy Segovia, Hannah Welborn

**Oxford County**

**Bethel:** Grant Shotwell **Bryant Pond:** Russ Cushman **Buckfield:** Jesse Warren **Canton:** Jill Conant, Emma Lueders, Luke Lueders **Carthage:** Zoe Tacheny **Denmark:** Jared Schrader, Joe Schrader, Allison Watson **Dixfield:** Kaine Hutchins, Olivia Johnston, Sierra Keim, Kylie Palmer, Ming Schnorr **Fryeburg:** Spencer Thomas **Gilead:** Hunter Cline **Hebron:** Zane Dustin, Nathan Godbout, Jodie Sheets **Mason Township:** Dylan Richmond **Mexico:** Logan Benedix **Norway:** Luck Haviland, Kelton Loper, Nate McNutt **Otisfield:** Randy Bosquet **Oxford:** Dominic Kugell, Faith Rideout **Peru:** Adelle Oswald, Gabby Scott **Roxbury:** Peter Cogley **Rumford:** Andrew Arsenault, Jeremiah Richardson **South Paris:** Madi Bangs, Lauren Keisman, Lexi Laverdiere, Nathanael Shaw, Haid Tanous **Sumner:** Bri Damon **Waterford:** Avery Elliott **West Paris:** Mark Willis

**Penobscot County**

**Alton:** Taylor Braley, Josh Hamilton **Bangor:** Dawson Armistead, Nishchay Arya, Noah Ashey, Ellen Babbidge, Logan Bard, Jenna Bishop, Erin Brown, Jeffrey Burke, Lara Carney, Devin Christianson, Jessica Correale, Sydni Cosgrove, James Cramer, Aska Cross, Aaron Dallman, Tim Dassow, Emily Davis, Hebert Delgado, Beth Dickson, Ben DiSalvatore, Abby Elliott, Gregory Fasth, Andrew Fournier, Trudy Furrow, Ally Gonyar, Vanessa Graham, Adam Green, Karl Gurschick, Sydney Hagarman, Justin Harris, Caitlin Hathaway, Andrew Howes, Michael Howland, Mitchell Jameson, Abram Karam, Gabriel Karam, Peter Kemble, Anastasia Kirbach, Reggie Kollman, Danielle Krause, Makayla Labelle, Natalie Lammers Lisnet, Teagan LaPiere, Guang Li, Rachel Luc, Jack Marcotte, Sarah Marcotte, Leah Marcoux, Colton Markevich, Evan Marshall, Tenny Martin, Bryson McDonough, Makayla Miller, Robbie Mills, Reid Monk, Nancy Newell, Annalyse Nichols, Lauren Nightingale, Jazzy Osborn, Ashley Ouellette, Hope Ouellette, Maura Pate, Grace Perron, Julia Phan, Kurt Pike, Emma Rowe, Sarah Santerre, Cullen Shortt, Maya Silver, Brent Solomon, Collin Soucy, Will Stanley, Casey Sudbeck, Thomas Szewczyk, Yuri Trusty, Gina Vo, Chris Vogel, Hannah Ward, Anna Webber, Brianna Welch, Juliet Williams, Chavaleh Winters, Max Worgull, Zach Zoroya **Bradley:** Sam Dauphinee, Jacob Ketch, Lauren Martin, Rachel Martin **Brewer:** Collin Averill, Samantha Ballesteros, Abigail Bennett, Drew Bennett, Oisin Biswas, Jacob Cote, Courtney Cotnoir, Jovon Craig, Caid Cummings, Julia Cummings, Jon Donnelly, Aubrey Duplissie, Adam Farrington, Shawn Farrington, Caitlin Fraser, Gary Gallagher, Ryan Gardner, Ellie Horr, Lindsay Houpp, Mandy Jammeh, Jarrod Joy, Omar Khan, Christine Levesque, Nikki Oakes, Matt Pushard, James Raymond, Alyssa Vargo **Carmel:** Abby DeHaas, Debbie Heyden, Justin McAllister, Ethan Radcliffe **Charleston:** Angelina Buzzelli **Chester:** Leela Stockley **Clifton:** Rachel Brooks, Adam Lufkin **Corinna:** Hillary Manson, Anna Smetstad **Corinth:** Matthew Brewer, Rachel Ireland, Kaj Overturf, Maija Overturf, Tuuli Overturf, Kalena Parks, Aaron Stymiest, Jana Watson **Dexter:** Mariah Hughes, Sarah Murray, Ashley Reynolds **Dixmont:** Joshua Viekmann, Sarah Viekmann **East Millinocket:** Nicole Chasse **Eddington:** Jaycob Bowker, Jami Freedman, Kailey Holmes, Kailey Richards **Edinburg:** Parker McGlaufflin **Etna:** Ian Blouin, Allie Donaldson **Exeter:** Rebecca Batron, Madeleine DeMoranville, Chandler Perkins, Karim Seifeldin **Garland:** Katherine Thomas **Glenburn:** Sarah Baker, Brianna Blanke, Christian Boone, Lydia Caron, Taylor Clark, Ben Cotton, Shaylyn Cyr, Gracie Day, Ryan Dufour, Caitlin Hillery, Lauren Seekins, Baylee Smith, Brooke Springer **Greenbush:** Brawley Benson, Nicole Kennedy, Kayla Madden **Hampden:** Kyle Barry, Madison Bennett, Rebekah Boomer, Sarah Boomer, Benjamin Chasse, Emily Colter, Elyse Daub, Olivia Doucette, Abby Elkins, Alex Flannery, Zachary Flannery, Drew Gilmore, Megan Houpp, Ben Huston, Xander Karris, Zachary Klein, Mike Labun, Ryan Landry, Rochelle Lawrence, Tessa Lilley, Abby Novak, Sandy Pereira, Melissa Reichel, Ashley Ricker, Meaghan Simonds, Peyton Smith, Keenan Soule, Katie Swanson, Jessie Sweeney, Rilee Walker **Hermon:** Paige Bacon, Emily Burns, Ryan Byers, Rylee Cushman, Hannah Dyer, Keely Gonyea, Megan Howes, Rachel Ingalls, Emily Kontio, Evan McCoy, Annabelle Osborne, Cammie Peirce, Hailey Perry, Kaylyn Raymond, Hayley Rutter, Madison Spencer, Cameron Verrill, Katelyn Walsh **Holden:** Maddy Bailey, Caroline Bush, Emily Gilmore, Leah Jennings, Jules Mogul, Cameron Oxley, Courtney Pearson, Collin Rhoads-Doyle, Jamison Rhoads-Doyle, Grace Smith, Betsy Spear, Emily Tarr, Deven Teisl **Howland:** Ciarra Jaszay **Hudson:** Kendra Caruso, Karah Hussey, Mark Muir, Kiera Rush **Indian Island:** Claudia Cummings, Lex Ireland **Kenduskeag:** Alyssa Caruso **Lee:** Samuel Mallett **Levant:** Ashley Barker, Brittany Morales, Gage Thibodeau, Annie Treworgy **Lincoln:** Corbett Arnold, Bailee Bartash, Koby Farrington, Duncan McIntyre, Sydney Morrison, Harley Rogers, Ethan Sibley **Lowell:** Jeffrey Garfield, Kasha Sereyko **Mattawamkeag:** Sam Neil **Maxfield:** Josie Harper **Medway:** Nick Powers **Milford:** Cedar Bagley, Maliyan Binette, Mason Duplissie, Jessica Hayden, Samantha Jackson, Brittany King, Noah LaPlante, Jenna Legere, Zac Libby, Nathan Paris, Breann Roosa, Haley Saucier, Julia Schnee, Adam Smith, Bruce Wilson, Johnny Wolfington **Millinocket:** Caryn Boutaugh, Kacie McLaughlin **Molunkus Township:** Courtney Hatton **Newburgh:** Wesley Kauppila, Angela Rideout, Natasha Turner **Newport:** Katie Bell, Josh Emery, Brody Haverly-Johndro, Jordin Jakins, Noah Kershner **Old Town:** Nolan Altvater, Devan Arnold, Mary Banker, Ridge Barnes, Jess Bergeron, Chris Brunton, Johanna Burgason, Sean Cashman, Jacob Clark, MacKenzie Conant, Gabrielle Craig, Austin Croft, Kim Crowley, Oliviah Damboise, Daniela Delpino, Becky Dias, Erin Douglas, Rachel

Emerich, Tatum Erlandson, Adam Ewing, Keegan Feero, Nick Feero, Kristen Freeman, Margaret Gautrau, Lauren Genenbacher, Kendra Green, Megan Grindle, Derek Haas, Raegan Harrington, Kayla Hayward, Jessup Henderson, Isaac Herman, Ethan Hill, J.J. Hollstein, Maddy Jackson, Vic Jones, Antonio Jurlina, Victoria Kanagy, Derek Knarr, Kyle Kulickowski, Desiree Labbe, Lauren Lang, Nick Lunn, Mae Mathews, Jon Maurer, Nicole McGrath, Kalee McLaughlin, Hadley Moore, Michael Morse, Kayla Murdaugh, Rachael Murphy, Aubree Nygaard, Brice Oviitt, Megan Paradis, Mark Pollard, Matthew Potvin, Ben Quimby, Mindy Reeves, Caitlin Slocum, Emma Smith, Jasmine Smith, Emilienne Soucy, Emily Stevens, Brooke Sulinski, Cameron Sullivan, Jake Tauke, Denise Tisdale, Julia Van Steenberghe, James Vankirk, Nathaniel Watkins, Jarod Webb, Justin Wheeler, Brad Wilkins, Leah Word **Orono**: Bandar Alqahtani, Mashari Alqahtani, Emilie Andersen, Romaan Asche, Ben Blood, Cagney Bowen, Tom Bowic, Morgan Buchanan, Jay Burkard, Cole Butler, Caleigh Charlebois, Jack Conant, Ally Cooper, Gabriella Cox, Tom Cox, Loreli Crawford, Allison Croce, Jamie Crowley, Lauren Dodge, Morgan Dodge, Kellen Doyle, Susannah Drown, Cam Dubay, Isaac Fair, Hanna Falkie, Olivia Fandel, Grace Farrington, Josh Fickett, Nesey Gallons, Austin Gilboe, Nick Gillert, Sarah Glatter, Tim Glatter, Melodie Godin, Anthony Gray, Andrew Guimond, Brianna Guy, Darria Hansen, Abigail Hartwell, Irja Hepler, Emily Hindle, David Holmberg, Jessica Holz, Lanie Howes, Eva Jerome, Evan Jiang, Michael Johnson, Todd Jones, Parker Lambert, Lauren Leber, Chloe Lilly, Noah Lovejoy, Nina Mahaleris, Dexter Martin, Asher Mason, Alissa Mathieu, Laina Mette, Shane Miller, Logan Molt, Cody Morin, Lydia Murray, Michaela Murray, Estella Myers, Jason Nagy, Gil Nguei, Shelby Nickerson, Will O'Neil, Joshua Oyugi, Josh Palmetter, Jordan Parks, Andrew Pazzdziorko, Mackenzie Peacock, Micaela Phillips, David Plouff, Joshua Poland, Ann Pollard-Ranco, Ande Ramirez, Nate Reid, Jordan Richards, Taylor Roos, Jessica Rule, Matt Ryckman, Corey Salisbury, Josh Schneider, Sarah Seitz, Logan Shannon, Adam Shaw, Zhecheng Shen, Grace Short, Bentley Simpson, Jessie Smith, Shannon Smith, Shania Soler, Ana Eliza Souza Cunha, Madison Stahle, Matthew Stenger, Olivia Stevenson, Austin Steward, Sarah Storgaard, Amanda Sullivan, Lauren Syphers, Phoenix Throckmorton-Hansford, Ali Tobey, Nikhil Vaidya, Samuel Varga, Anthony Veenhof, Spencer Ward, Alexis Welch, Mickala Wheeler, Devon White, Justin Wiggins, Jacob Williams, Michael Williams, Kelsey Wojdakowski, Kelly Xiao **Orrington**: Nicholas Bower, Amber Burris, Ozzy Degnan, Sarah Doak, Jw Harriman, Alyssa Kilgour, Meg Lander, Tatum Peaslee, Ember Perry, William Prescott, Kenzie Tefft, Evan Vidas **Plymouth**: Gabby Sands **Springfield**: Jennifer Munson **Stetson**: Anna Snow **Stillwater**: Drew Stjean **Veazie**: Makenzie Baber, Brianna Ballard, Anna Dagher, Joseph Dagher, Liam Daniels, Connor Ferguson, Fazeel Hashmi, Courtney Hyde, Chris Johnson, Hannah Kerrigan, Emma Olmstead, Nate Reese, Sethany Rodriguez, Anna Walz, Byron Winslow, Anna Zmistowski **West Enfield**: Ryan Lindsay **Winn**: Lynzi Rideout

**Piscataquis County**

**Brownville**: Rachel Worster **Dover-Foxcroft**: Racquel Bozzelli, Liam Casey, Cooper Nelson, Emily Sprecher, Sebastian Zepeda **Greenville**: Courtney Mann **Parkman**: Haley Bergeron, Matthew Griffith, Allison Morin, Charis Morin **Sangerville**: Lena Downes **Sebec**: Chandler Rockwell

**Sagadahoc County**

**Arrowsic**: Sean Detwiler, Alex Martin, Olivia Shipsey **Bath**: Madison Burch, Dominique DePippo, Spencer Lindsley, Tessa Lindsley, Eli Munro-Ludders, Damon Osmond, Kaylee Walker **Bowdoin**: Connor Bolduc, Aaron Dustin, Mikala Dwelley, Colin Ingalls, Abbey Morgan, Madysyn Rosenberg, Gideon Wheeler **Bowdoinham**: Morgan Johnson, Rick Mann, Lydia Schneider **Georgetown**: Henry Geoffrion **Phippsburg**: Gus Anderson, Ian Fernald **Richmond**: Hunter Curtis, Cameron Emmons, Jennifer Lorbeski, Kylie Temple **Topsham**: Cole Bryant, Jordan Chase, Carly Cornish, Dylan Earl-Johnson, Thomas Emerson, Rebecca French, Chris Giroux, Jason Halliday, Devin Hoskins, Nellie Ickes-Coon, Matt Kenison, Joseph Knowles, Matt Lawrence, Sabrina Paetow, Joseph Patton, Joey Reed, Rebecca Schuman, Rachel Thieme, Erin Tome, Katie Trebilcock **West Bath**: Connor Bennoch, Samuel Cekada, Caiden Fraser, Sarah Meyer-Waldo **Woolwich**: Christina Bowman, Brooke McElman

**Somerset County**

**Anson**: Sara Taylor **Cornville**: Ryan Conway, Samantha Coombs, Rachyl Nelson, Seth Pratt **Embden**: Carroll Chapman **Fairfield**: Paige Belanger, Bailey Carter, Dakota Hutchins, Sam King, Kiana Letourneau, J.T. Nutting, Ciera Poulin, Sam Wilson **Harmony**: Arend Thibodeau **Hartland**: Lydia Elwell, Shelby Haskell **Jackman**: Ian West **Long Pond Township**: Elise McKendry **Madison**: Evan Bess, Peter Boardman, Seth Dillon, Nate Dimock, Jacob Girgis **Mercer**: Jaycee Cushman, Emily Greaney, Jason Hilton, Megan Hooper, Isabelle Mehrhoff **Moscow**: Loren Grant **New Portland**: Grace Cowan, Emilie Oesterlin **Norridgewock**: Kyle Jacques, Kaelie Merrill, Ethan Poissonnier, Sara Qualey **Palmyra**: Zoe Fianadaca, Laura Freudenberger, Ryan LaGross, Morganne Robinson **Pittsfield**: Hunter Bentinaen, Abby Bernier, Marshall Lawler, Cassie Miller, Aiden Nolan, Logan Rollins, Devon Varney, Sarah Welch, Jamie Wone **Saint Albans**: Carissa Pacheco **Shawmut**: Abby Weigang **Skowhegan**: Kaleb Austin, Kirstie Belanger, Cassidy Clement, Brooke Curtis, Colby Esty, David Govoni, Sadie Libby, Julia Meade **Smithfield**: Eben Lenfest, Lucas Lenfest, Tanner Towle **Solon**: Andrew Wilson

**Waldo County**

**Belfast**: Grace Bagley, Will Bickford, Lucie Bonneville, Victoria Curtis, Bingying Dong, Malcolm Dunson-Todd, Ashley Flanders, Emily Harriman, Jack Schnetzer, Anna Struba **Belmont**: Zoe Deans **Brooks**: Micaela Ellis, Haley LaRochelle, Nick Merriam **Burnham**: Abi Bergdoll **Frankfort**: Brooke Hammond, Illia Horton, Kaitlyn Robinson **Islesboro**: Claudia Johnson, Eli Legere **Jackson**: Sierra Fonger **Liberty**: Bronwyn West **Lincolnvile**: Carrie Milner, Patric Mooers, Kyle Wood **Montville**: Nicole Murdock, Skye Siladi **Morrill**: Evan Kennedy **Northport**: Hunter Merchant, Thomas Sigler **Palermo**: Olivia Bradstreet, Kaylee Porter, Caleb Tyler **Searsmont**: Mikayla Artkop, Declan Brinn, Cassidy Hall, Alison Hills, Emily Jolliffe, Sadee Mehuren, Richard Wyman **Searsport**: Alyssa Burkard, Daniel McKeon, Makala Riley **Stockton Springs**: Ellie Damuck, Arthur Leighton, Bailey West **Swanville**: Kasey McLeod, Thomas Saunders **Thorndike**: Kristen Raven **Troy**: Edward Angelo **Winterport**: Sarah Burby, Drake Perkins, Sammi Ricker, Clara Simpson, Kayla Stromvall

**Washington County**

**Baileysville**: Tanner White **Baring Plantation**: Tyler Bridges **Calais**: Aly East, Dominic Gayton **Cherryfield**: Caryl Young **Columbia Falls**: Kayla Toppin **Cutler**: Alia Shaw **East Machias**: Maria Jones, Shaina Murdaugh **Harrington**: Mary Hammond **Jonesport**: Catherine McDonald, Morgan Rocks **Milbridge**: Kelli Kennedy **Whiting**: Gianna Porter

**York County**

**Acton**: Samuel Beaudoin, Emily Clarke **Alfred**: Danny Bullard, Joanna LaFrance, Sophia LaFrance, Andrew Nadeau **Arundel**: Erin Acheson, Cam Bilodeau, Jake Buttarazzi, Katie Dube, Jenna Paul **Berwick**: Jacob Bradshaw, Courtney Dinardo, Morgan Griffin, Dustin Knight, Maggie Menter, Jarrod Rudis, Hannah Wilson **Biddeford**: Connor Bouffard, Ashlyn Bourque, Marty Bushey, Kirsten Daley, Nick Escobedo, Courtney Heffernan, Emily Huo, Anna Mininni, Carson Neumann, Maegan Perrault, Michelle Ward, Max Zakian **Buxton**: Bethany Ashley, Jordan Fournier, Niklas Hase, Alyssa Libby, Abby Logan, Maddy Logan, Polly Rae, Caitlyn Sharples **Cornish**: Olivia Ruhlin, Katie Tims **East Waterboro**: Dan Bolender, Jake Cyr **Eliot**: Simone Chagnon, Kat Dolan, Bryant Goodenough, Annie Hepburn, Brittany King, Luke McNamara, Peter O'Brien, Olivia Petersen, Garrett Robinson, Olivia Rowell, Marissa Sewell, Sarah Spezia **Hollis Center**: Connor Baldwin, Jamie Delaney, Andrew Ettinger, Matt Gilbert, Haley Robinson, Evan Smith, Jen Turner **Kennebunk**: Anna Cressey,aleigh Haroldsen, Sophie Joseph, Colleen Keegan, Brennan Schatzabel, Osiris Thomas, Julia Towne, Isaac Vaccaro **Kennebunkport**: Stewart Doe, Miles Eaton **Kittery**: Emilia Byrne, Ryan Campion, Lydia Carlson, Mike Filiault, Briana Lamoureux, Aidan Morrill **Kittery Point**: Mark Lambrecht **Lebanon**: Jake Lelievre, Emma Lovely **Limerick**: Alyssa Wardwell **Limington**: David Hegarty, Jordyn Long **Lyman**: Drew Brooks, Katherine Dupuis, Lila Harakles, Joel Van Tassell **North Berwick**: Sydney Burgess, Taylor Dupont, Carl Durocher, Liam Griffin, Alexy Hudock, Reilly McGilvery, Kody Moseley, James Stewart **North Waterboro**: Nate Baert, Kaylee Hayes, Brandon Johnstone **Old Orchard Beach**: Dylan Boudreau, Hunter Boutot, Samantha Byram, Nick Downes, Danika Evangelista, Brendan Harlan, Bobby Slattery, Katie Spagnolo **Saco**: Stephanie Ayotte, Matthew Basile, Emma Clark, Sophia Crockett-Current, Kate Dowling, Erin Farrell, Ashley Houpp, Michael Kowash, Benjamin Leary, Owen Lemoine, Ethan Levy, Lindsay Luopa, Hannah Maddix, Hannah McAlary, Jason Morrill, Ashley Paul, Alex Reppond, Allie Romprey, Brogan Searle-Belanger, Kenneth Seneres, Andrew Smith, Dylan Smith, Benjamin Steva, Ezra Stillman **Sanford**: Ethan Belanger, Vanessa Caron, Megan Charrier, Cam Cose, Ethan Mathieu, Noah Monto, Blaine Morin, Uriah Noble, Nisha Patel **Shapleigh**: Sara Kelley **South Berwick**: Kyle Claus, Renee Clavette, Roger Connolly, Shea Costin, Brian Couture, Abby Doyle, Claudia Folger, Hailey Gagne, Liam Hawthorne, Kaylee Husey, Stephen Kaplan, Sarah Oakley, Kayla Perry, Nate Poole, Alec Taylor, Ethan Trott, Janay Wright, Kelsey Wright, Lexi Young **Springvale**: Dean Johnson, Allison L'Heureux, Tian Morrison, Josh Webber, Matthew Webber **Waterboro**: Troy Cloutier **Wells**: Tim Bullard, Julianne Fitzpatrick, Kyle Goodale, Brenda Griffin, Marcus Harding, Matthew Lavoie, Kate Macolini, Julia Nixon, Abigail Reese, Stephanie Woods **West Newfield**: Steele Muchemore-Allen **York**: Steven Blaine, Kelsey Cole, Garrett Cronin, Jack Engholm, Spencer Goulette, Katie Kohler, Anna Lane, Isabel Pease, Sophie Russell, Sophie Stephens, Zachary Westman [\*Back to full list\*](#)

**2019 International Dance Festival Feb. 16**

**01 Feb 2019**

The University of Maine will hold the 2019 International Dance Festival on Feb. 16 at the Collins Center for the Arts. Two performances, which are free and open to the public, will take place at 2 and 7 p.m. The 15th annual event will feature its largest lineup to date, showcasing traditional music, dance and clothes from around the world that are representative of the diverse student body at UMaine. The International Dance Festival is a student-led initiative that began in 2005 and is organized by the Office of International Programs and the International Student Association. For more information or to request a reasonable accommodation, call 581.2905 or email [international@maine.edu](mailto:international@maine.edu). More information also is [online](#).

**BDN mentions planetarium show in weekend event roundup**

**01 Feb 2019**

The [Bangor Daily News](#) mentioned an event at the University of Maine’s Emera Astronomy Center and M.F. Jordan Planetarium in a roundup of weekend events in Maine. The planetarium will offer weekly showings of “David Bowie Dreams,” a laser music show,



at 9 p.m. each Friday in February, the BDN reported.

#### **Media report local students on UMaine Dean's List**

**01 Feb 2019**

Media reported local students made the University of Maine Dean's List for the fall 2018 semester. A total of 2,388 students made the list, including 1,666 from Maine. [WDEA](#) (AM 1370) and [The Ellsworth American](#) published the names of students from Hancock County who made the list; [Q106.5](#) published the names of students from Penobscot County; the [Penobscot Bay Pilot](#) and [Kennebec Journal and Morning Sentinel](#) published the names of students from Knox and Waldo counties; the [Journal Tribune](#) published the names of students from York County; the [Wilmington Apple](#) reported four students from Wilmington, Massachusetts made the list; and [The Conway Daily Sun](#) reported one student from Madison, New Hampshire made the list. The [Kennebec Journal and Morning Sentinel](#) also published the names of Dean's List students from Androscoggin, Franklin, Kennebec, Lincoln, Sagadahoc and Somerset counties. [The Times Record](#) published the names of students from Brunswick, Freeport, Harpswell, Alna, Damariscotta, Wiscasset, Arrowsic, Bath, Bowdoin, Bowdoinham, Georgetown, Phippsburg, Richmond, Topsham, West Bath and Woolwich.

#### **Morning Ag Clips announces UMaine Extension offering embryology project kits**

**01 Feb 2019**

[Morning Ag Clips](#) announced the University of Maine Cooperative Extension is offering 4-H Embryology Project Kits on loan to Cumberland County youth organizations. The cost to rent a kit is \$10; the fee can be waived for qualifying institutions. A \$50 deposit in check form also is required and will be given back when equipment is returned undamaged. By providing materials necessary to hatch chicks, the kits offer an experiential learning opportunity for youth to develop a connection to the food system, and learn skills such as disease prevention, problem solving, record keeping, planning and organizing, the article states. More information about the kits is available [online](#), by calling 781.6099 or by emailing [sara.conant@maine.edu](mailto:sara.conant@maine.edu).

#### **Mayewski speaks about polar vortex on NBC Nightly News**

**01 Feb 2019**

Paul Mayewski, director of the Climate Change Institute at the University of Maine, spoke on [NBC](#) Nightly News about climate change and the polar vortex. NBC reported melting sea ice and ocean temperatures at the North Pole have caused the walls of the jet stream, or polar vortex, to break open, allowing arctic air to escape to the Midwest. "Not only is greenhouse gas warming impacting the planet, but it's really beginning to kick in and it's kicking in in the parts of the climate that are most sensitive, in particular, Arctic sea ice regions and the Arctic," Mayewski said. NBC also showed UMaine's Climate Reanalyzer in the report.

#### **Klein quoted in WABI report on volunteering to insulate homes**

**01 Feb 2019**

[WABI](#) (Channel 5) quoted Sharon Klein, an associate professor of economics at the University of Maine, in a report on work to insulate Maine homes by the volunteer organization WindowDressers. According to WABI, the Rockland-based organization held 33 workshops around the state this season, including the final one in Bangor recently, for volunteers to build insulating window inserts. "It's environmentally sustainable because you're saving emissions," said Klein, who also is on the board for WindowDressers. "It's economically sustainable because you're saving money, and it's socially sustainable because it's making people more comfortable." WindowDressers has built more than 3,000 inserts this season with the help of homegrown tools. "It's totally a Maine thing, where people are building new gadgets in their basement and using them to make the process more efficient," Klein said.

#### **Journal of Experimental Biology interviews Levesque about research journey**

**01 Feb 2019**

Danielle Levesque, an assistant professor of mammalogy and mammalian health at the University of Maine, was recently interviewed by the [Journal of Experimental Biology](#). The interview, which is part of a series on early-career researchers, followed Levesque's globe-trotting journey to develop her abilities as a researcher.

#### **Bangor-based wealth management firm supports free admission at UMaine Museum of Art**

**04 Feb 2019**

The University of Maine Museum of Art will extend its free admission policy for the public in 2019, thanks to a gift from Deighan Wealth Advisors, a wealth management firm that is a longtime UMAA sponsor and arts supporter in the region and state. "As a cultural outreach resource for the University of Maine, we are very grateful for Deighan Wealth Advisors' support of free admission. Because of its generous sponsorship, individuals, schoolchildren, special needs groups and others can visit often, view original works of art and have a meaningful creative experience," says George Kinghorn, museum director and curator. The University of Maine Museum of Art, located in Norumbega Hall in downtown Bangor, is open 10 a.m.–5 p.m. Tuesday–Saturday. UMMA offers a series of changing exhibitions featuring regional and nationally recognized contemporary artists in conjunction with integrative educational programs, gallery talks and workshops.

#### **BDN reports UMaine Fishing Club to hold derby Feb. 23**

**04 Feb 2019**

A [Bangor Daily News](#) article about upcoming ice fishing events reported the University of Maine Fishing Club will host a fishing derby Feb. 23 on Pushaw Lake. Fishing begins at sunrise and anglers must be in line for weigh-in by 2 p.m., the article states. Tickets, which are \$10 for adults and \$5 for UMaine students and children 17 and under, are available online or at Old Town Trading Post before the event and at Gould Landing in Orono the day of the event.

#### **VillageSoup reports Stanley to speak Feb. 12**

**04 Feb 2019**

[VillageSoup](#) reported Elizabeth Stanley, a community education assistant with University of Maine Cooperative Extension, will give a talk about container gardens at 10 a.m. Feb. 12 at the Camden Public Library. The event is sponsored by the Camden Garden Club and is part of the club's Winter Horticulture series. Attendees will learn about growing in containers and raised beds for beauty, convenience and accessibility, as well as design, plants, growing mediums and fertility, the article states. More information is available [online](#) or by emailing [camdengardenclub100@gmail.com](mailto:camdengardenclub100@gmail.com).

#### **Klein quoted in Times Record column on renewable energy**

**04 Feb 2019**

Sharon Klein, an associate professor of economics at the University of Maine, was quoted in a [Times Record](#) column on renewable energy in Maine. Maine ranks first in renewable energy production, leads New England states in wind generation, and has the potential to generate more than 500 percent of its current electricity sales from renewable energy sources like solar and wind, the column states. But Maine also still depends heavily on fossil fuels. Klein recommends better consumer guidance concerning renewable energy options in Maine, according to the column. Her research demonstrates that grassroots efforts like "solarize" group-purchasing programs can prompt adoption of new behaviors. "It's pretty clear we need to get people engaged in community-level projects," Klein said.

#### **WABI covers Black History Month flag raising**

**04 Feb 2019**

[WABI](#) (Channel 5) covered the kickoff ceremony and flag raising for Black History Month at the University of Maine. This is the third year UMaine has held the event, beginning with raising the Black Lives Matter flag on campus next to Fogler Library and followed by a reception with remarks from university staff and members of UMaine's Black Student Union, according to WABI. "What this really represents is not only raising awareness for the Black Lives Matter movement, but unifying a predominantly white university and not allowing people to ignore that those problems still exist," said Taylor Bass, president of the Black Student Union.

#### **News Center Maine speaks with Birkel, grad student about tick research**

**04 Feb 2019**

[News Center Maine](#) spoke with Sean Birkel, a research assistant professor at the University of Maine Climate Change Institute, and Michelle Volk, a graduate student at UMaine, about research they're conducting on ticks. Climate change and the bacteria carried by ticks are helping extend the range of ticks to include environments in which they previously could not have survived, according to the report. Ticks can hibernate under leaves during the winter, and even when exposed to the elements, up to 40 percent can survive. Cases of Lyme disease have been reported in every Maine county, rising from 71 in 2000 to 1,310 in 2018, News Center Maine reported. "Where are the ticks heading? Where is their optimal range? It's very important for predicting the distribution of disease," said Volk, who is tracking tick migration in northern and Down East Maine and also will collect ticks from western Maine this summer to test them for diseases. Ticks are sensitive to temperature and humidity, and might move into colder climates as summer becomes hotter and longer. "We anticipate in the coming decade most of the state will become prime habitat for the deer tick," Birkel said.

#### **Allen publishes 15th book, gives public talks**

**04 Feb 2019**

Doug Allen, professor of philosophy, is the author of "Gandhi after 9/11: Creative Nonviolence and Sustainability," published by Oxford University Press in India in January. The book will be published in the U.S. in February. This is Allen's 15th book. Allen also spoke at Dirigo Pines in Orono on Jan. 31 on topics relevant to Gandhi after 9/11 and at Congregation Beth El in Bangor on Feb. 1 on "A Jewish Philosophical Approach to Others: Why Tolerance is Not Enough."

#### **Four MIRTA teams to showcase discoveries Feb. 5**

**04 Feb 2019**

Four discoveries will be showcased by University of Maine faculty-led teams from the Maine Innovation, Research and Technology Accelerator (MIRTA) beginning at 5 p.m. Feb. 5 at the Foster Center for Student Innovation on campus. The four MIRTA projects are:

- A nanocellulose composite orthopedic implant that promotes the growth of strong natural bone while safely dissolving over time, eliminating the need for costly and permanent metallic devices, developed by a team led by Michael Mason, professor of chemical and biomedical engineering.
- A biodegradable wood-based technology that produces a foam-like matrix to protect fragile items and insulate them from extreme temperatures, developed by a team led by Mehdi Tajvidi, assistant professor of renewable nanomaterials.
- A half-shell oyster sorter to support small-scale aquaculture in the state and worldwide, developed by a team led by Joshua Stoll, assistant research professor of marine policy.
- A multimodal software solution for providing blind and visually impaired people with access to digital graphical information, developed by a team led by Nicholas Giudice, professor of spatial informatics.

This is the second cohort of inventors to be part of MIRTA, which was made possible by the University of Maine System 2018 Research Reinvestment Fund. The fund is a pool of competitive internal grants allocated to advance research projects along the path from discovery to becoming commercial products with public benefit. All projects are tied to Maine businesses or industries critical to the future of the state. The teams, some including undergraduate and graduate students, and industry collaborators, spent 20 hours a week for 16 weeks learning about the market and intellectual property analyses and business model development needed to bring their invention to market. Guiding them were business incubation staff from UMaine's Office of Innovation and Economic Development. In addition, each team has an advisory committee of industry and technology experts who provide feedback and advice. The teams are eligible for up to \$25,000 each to help develop commercialization implementation plans. Commercialization plans for new products or services, process improvements, creative works, or curricula or programs could include starting new companies or licensing to existing ones.

#### **Botanists, with help from Thoreau, find climate change puts spring wildflowers in the shade**

**04 Feb 2019**

Spring wildflowers may face challenges in a warming climate. That's according to researchers who combined their findings with historical observations collected by philosopher and author Henry David Thoreau. Conservation biologists [Caitlin McDonough MacKenzie](#) of the University of Maine and Richard Primack of Boston University presented Thoreau's scientific observations from the 1850s in Concord, Massachusetts to Mason Heberling, assistant curator of botany at Carnegie Museum of Natural History. The data included tree and wildflower leaf-out dates measured for 37 separate years between 1852 and 2018. Primarily as a result of human activities, temperatures in Concord, Massachusetts have warmed by 3 degrees Celsius over the past century, say the researchers. During the same time period, tree and wildflower leaf-out dates — when plants produce leaves — have shifted significantly. "Wildflowers are now leafing out about one week earlier than 160 years ago, but the trees are leafing out two weeks earlier," says MacKenzie, a David H. Smith Conservation Research Fellow at the Climate Change Institute. "Understory wildflowers need the sunny conditions before the trees leaf out for their energy budgets, but we didn't know how a shadier spring would affect these plants on the ground." As part of a multiyear field experiment, the team compared Thoreau's observations to photosynthetic data collected in a forest in Fox Chapel, Pennsylvania by Heberling and Susan Kalisz of the University of Tennessee, Knoxville. Heberling, the paper's first author, adapted the measurements to calculate how temperature-driven shifts in trees leafing out have affected wildflowers from Thoreau's era until now. The combined analysis shows that small differences in the responses of wildflowers versus trees to a warming climate could already be harming wildflower abundance and flowering, with greater effects in coming years. "Combining our work from Pittsburgh with Thoreau's data revealed an overlooked, yet critical, implication of how our changing climate is affecting native wildflowers beloved by so many people, right here at home," Heberling says. As the climate warms, the window of time between wildflower emergence and tree leaf out likely will shorten, leaving wildflowers less time to photosynthesize in the spring. Climate models predict a 2.5- to 4.5-degree Celsius temperature increase in the northeastern United States by 2080, potentially more than double the temperature increase during the past century. What does this mean for the future of forests and wildflowers? Studies are ongoing, but MacKenzie says we may see fewer wildflowers in the future. "Light is so important for these wildflowers in the early spring, and once the trees leaf out, the light availability drops dramatically," she says. "On the one hand, it's great that trees can track the changing temperatures and leaf out earlier — but, the wildflowers aren't keeping up and that could mean less energy to produce flowers, fewer seeds and declining wildflower populations." The full study, "Phenological mismatch with trees reduces wildflower carbon budgets," is in the scientific journal *Ecology Letters*. The Carnegie Museum of Natural History's [media release](#) is online. Contact: Beth Staples, 207.581.3777

#### **2019 Maryann Hartman Award winners announced**

**05 Feb 2019**

*Editor's note: Story updated Feb. 7.* The 2019 Maryann Hartman Awards recognizing the inspirational achievements of Maine women will be presented to retired professor of economics and women and gender studies Susan F. Feiner of Portland, Deputy Attorney General and Chief of the Criminal Division for the State of Maine Lisa Marchese Eames of Cumberland Center, and pediatric dermatologist Janice L. Pelletier of Orono. The women will be honored in a ceremony at 5:30 p.m. March 27 at Buchanan Alumni House at the University of Maine. The event, which is free and open to the public, is sponsored by the Women's, Gender, and Sexuality Studies Program, and the Rising Tide Center at UMaine. Feiner joined the faculty at the University of Southern Maine in 1995 with a joint appointment in economics, and women and gender studies. Her unique perspective facilitated the advance of interdisciplinary and feminist economics, particularly in the higher education curriculum. Marchese Eames has fulfilled several roles in the Office of the Maine Attorney General, where she has served as deputy attorney general in charge of the Criminal Division since 2014. She has chaired the Domestic Abuse Homicide Review Panel for more than 10 years in an effort to reduce the incidence and impact of domestic abuse. Pelletier, a pediatric dermatologist, is active in the national and state chapters of the American Academy of Pediatrics, having served as president and vice president of the Maine affiliate. She currently directs the pediatric dermatology section of Northern Light Eastern Maine Medical Center in Bangor. Maryann Hartman Awards recognize Maine women whose achievements in the arts, politics, business, education, health care and community service provide inspiration for women. The awards honor the legacy of the late associate professor of speech communication who was a distinguished educator, feminist, scholar and humanitarian. To RSVP to attend the ceremony or to request a reasonable accommodation, call 207.581.1228 or email [umaine.wgs@maine.edu](mailto:umaine.wgs@maine.edu). Contact: Margaret Nagle, 207.581.3745

#### **2019 Maine Government Summer Internship Program accepting applications**

**05 Feb 2019**

The Margaret Chase Smith Policy Center at the University of Maine is accepting applications for the 2019 Maine Government Summer Internship Program. The 12-week program, which runs May 28 through Aug. 16, provides full-time, paid summer work

experiences in town and city governments, as well as Maine state government agencies. Approximately 50 positions are expected to be available. Most internships are located in the Augusta area, with a select number of internships available in other locations. The Maine Government Summer Internship Program was established in 1967 by the Maine Legislature to attract and select college students with ambition and talent for temporary internships within state government. The program offers talented college students an opportunity to participate in and contribute to Maine government. Interns provide valuable assistance to state agencies while gaining practical and professional skills in their fields of study. Applicants must be a Maine resident or attending a Maine college or university, and must have completed two years of college before the start of the program. All majors may apply and positions are available in a variety of fields including conservation, data analysis, education, engineering, finance, law, social media and more. Applications are [online](#). The deadline to apply is March 1. Municipal and state government requests for interns also can be submitted [online](#). More information about the program is available [online](#) or by emailing Peggy McKee at [margaret.mckee@maine.edu](mailto:margaret.mckee@maine.edu).

#### **Four students named semifinalists for Fulbright grants**

**05 Feb 2019**

Four University of Maine students and alumni have been recommended as semifinalists for the 2019–20 Fulbright U.S. Student Program, the largest exchange program in the country that offers opportunities for recent graduates in more than 160 countries. The Fulbright Program is the flagship international educational exchange program sponsored by the U.S. government and is designed to increase mutual understanding between the people of the United States and the people of other countries. The primary source of funding for the Fulbright Program is an annual appropriation made by the U.S. Congress to the Bureau of Educational and Cultural Affairs of the U.S. Department of State. Participating governments, host institutions, corporations and foundations also provide direct and indirect support. Recipients of Fulbright grants are selected on the basis of academic or professional achievement, as well as demonstrated leadership potential in their fields. As semifinalists, the UMaine students and alumni have been recommended by the National Screening Committee of the Institute of International Education for final consideration for a Fulbright award. The semifinalists will be notified in the spring about the final results of their candidacy. This year's semifinalists for Fulbright U.S. Student Study/Research Grants are:

- Emily Craig '18, biology, applicant for a grant to Sri Lanka;
- Will Kochtitzky '19, geography, applicant for a grant to Canada;
- Jesse Walters '20, geology, applicant for a grant to Germany; and
- Eric Miller '20, economics, applicant for a grant to Laos.

UMaine students and recent alumni interested in the Fulbright program or other nationally competitive scholarships are invited to visit the Office of Major Scholarships on the second floor of Fogler Library, email [nives.dalbowheeler@maine.edu](mailto:nives.dalbowheeler@maine.edu) or visit the [website](#). An information session about Fulbright scholarships will be held 6–7:30 April 16 in the Memorial Union, FFA Room.

#### **Republican Journal advances talk by Wallhead Feb. 19**

**05 Feb 2019**

[The Republican Journal](#) advanced a talk by Matthew Wallhead, an ornamental horticulture specialist with University of Maine Cooperative Extension and an assistant professor of horticulture at UMaine. The talk, “Selecting Flowers and Vegetables for Different Environments,” will be at 2 p.m. Feb. 19 at the Belfast Free Library. Hosted by the Belfast Garden Club, the talk will cover topics including sustainable garden practices, holistic gardening, and how to select flowers and vegetables for a range of settings.

#### **BDN cites UMaine Extension bulletin in article on uses for woodstove ashes**

**05 Feb 2019**

The [Bangor Daily News](#) cited a University of Maine Cooperative Extension [bulletin](#) in the article “6 creative ways to use woodstove ashes.” The byproduct of burned wood, ashes should be cleaned out of woodstoves and fireplaces regularly. Softwoods like fir and birch tend to generate more ash than hardwoods like beech and maple, according to the BDN. Ashes have several uses around the homestead, including adding them to compost. According to UMaine Extension, wood ash has a high calcium content and makes an excellent liming agent to raise pH levels of compost and neutralize acidity. Ashes also contain potassium and other trace elements to boost the nutrient value of compost, the article states. [Fiddlehead Focus](#) carried the BDN article.

#### **WABI reports UMMA to offer free admission in 2019**

**05 Feb 2019**

[WABI](#) (Channel 5) reported the University of Maine Museum of Art in downtown Bangor will again offer free admission in 2019 thanks to a gift from Deighan Wealth Advisors. The wealth management firm's support allows all community members to enjoy the museum and its exhibits regardless of financial ability, the report states. The only collecting institution in the state devoted to contemporary art, UMMA has a private collection of more than 4,000 pieces, with exhibits changing every four months, WABI reported. The museum is open 10 am.–5 p.m. Tuesday–Saturday.

#### **News Center Maine, WVII profile student on mission to research deafness, help others**

**05 Feb 2019**

[News Center Maine](#) and [WVII](#) (Channel 7) profiled Jessica Hayden, a microbiology student at the University of Maine who was born deaf and is on a mission to research the condition and help others like her. There were no hearing screenings available when Hayden was born 19 years ago, and her parents learned she was deaf when she was 1 year old. They communicated with her in American Sign Language until she had cochlear implants inserted at ages 2 and 7, according to News Center Maine. “You don't know how to interpret the different feedback signals that you're receiving, so that's when I had years of speech therapy to understand and be able to interpret those sounds that I'm hearing,” said Hayden, whose goal is to research the genetic mutation that caused her deafness. “She has this huge capacity to not only tolerate challenges but thrive in the face of a challenge,” said Sally Molloy, an assistant professor of genomics at UMaine. This year, Hayden received the Graham Clark Scholarship through the company that makes her implants, News Center Maine reported. “You won't find the cure to something overnight, but if you work long enough and work hard enough, something is definitely possible,” Hayden said.

#### **New study finds blue mussels resilient to ocean acidification**

**05 Feb 2019**

Blue mussels, the predominant species used in aquaculture in Maine, may be more resilient than other cultivated species to the increased seawater acidity and storms predicted to hit the Gulf of Maine as a consequence of climate change, according to a University of Maine research team. A study led by Tim Bowden, an associate professor of aquaculture in UMaine's School of Food and Agriculture, suggests that ocean acidification does not appear to affect the strength of byssal threads of blue mussels, which anchor the commercially important aquaculture species to their substrate. The findings, published by the scientific journal [PLOS ONE](#), contradict similar studies on other mussel species. The study was conducted in the Ocean Acidification Lab in the Aquaculture Research Center in collaboration with the Advanced Manufacturing Center and Hollander and de Koning mussels, with funding from Maine EPSCoR's Sustainable Ecological Aquaculture Network (SEANET). Other contributors of the study included Brian Preziosi, a Ph.D. student in the School of Marine Sciences, and Grant Dickey and Charles Clark, who at the time of the study were undergraduate students in the School of Marine Sciences. Contact: Margaret Nagle, 207.581.3745

#### **Rescheduled: Rigaud to talk at DMC about scientific diving with US Antarctic Program**

**06 Feb 2019**

Christopher Rigaud will provide an inside look at scientific diving with the U.S. Antarctic Program during a brown-bag seminar in Brooke Hall at the University of Maine's Darling Marine Center in Walpole. Due to the forecasted snowstorm, this event has been



rescheduled for noon Feb. 20.

Rigaud is UMaine's diving operations manager and serves on the Scientific Diving Control Board of the U.S. Antarctic Program. In 1959, the National Science Foundation established the U.S. Antarctic Program to oversee the research and logistical support of three research stations on the continent: McMurdo Station, Amundsen-Scott South Pole Station and Palmer Station. Scientific diving that facilitates safe underwater research in extreme polar conditions is an important part of the program's mission. Rigaud recently traveled to the McMurdo Station to learn more about the program and environmental demands placed on scientific divers. For a reasonable accommodation, call 563.3146.

#### **Phys.org publishes UMaine release on blue mussels, ocean acidification**

**06 Feb 2019**

[Phys.org](#) published a University of Maine news release about research that suggests blue mussels could be more resilient than other cultivated species to increased ocean acidity and storms predicted to affect the Gulf of Maine as a result of climate change. The research team, which was led by Tim Bowden, an associate professor of aquaculture at UMaine, found that ocean acidification does not appear to affect the strength of the mussels' byssal threads that anchor them to a substrate. The study, which contradicts similar studies on other mussel species, was conducted in the Ocean Acidification Lab in the Aquaculture Research Center at UMaine, in collaboration with the Advanced Manufacturing Center and with funding from Maine EPSCoR's Sustainable Ecological Aquaculture Network (SEANET), according to the release.

#### **Daily Bulldog reports Fuller to speak at meeting Feb. 26**

**06 Feb 2019**

The [Daily Bulldog](#) reported Dave Fuller, an agriculture and nontimber forest products professional with University of Maine Cooperative Extension, will speak at a meeting of the North Chesterville Extension Homemakers on Feb. 26. The meeting will begin at 6:30 p.m. at the Chesterville Town Office; Fuller's talk will be from 7-7:30 p.m. and will focus on creative uses of balsam fir beyond two-by-fours and pulp for paper, the article states. The meeting is free and open to the public.

#### **Mahon, Jones write Press Herald op-ed**

**06 Feb 2019**

Maine Business School faculty John Mahon, the John M. Murphy Chair of International Business Policy and Strategy and professor of management, and Nory Jones, a professor of management information systems, wrote an opinion piece for the [Portland Press Herald's](#) "Maine Voices" column titled "Knowledge is power in the developing new world order."

#### **BDN interviews Hutchinson for article about compost**

**06 Feb 2019**

The [Bangor Daily News](#) interviewed Mark Hutchinson, an extension educator with University of Maine Cooperative Extension, for an article about compost. Anything that was once alive can be composted, and this includes some surprising items, the article states. However, some decompose much slower than others. These items can be sifted out from compost that has become dark soil using a mesh sheet in a wooden frame, according to Hutchinson. "You place that on top of a wheelbarrow, then shake the compost through. What's left is the start of your new pile," he said. One surprising item that can be composted is meat, though it can attract rodents and other animals if done improperly. "Animals smell the product, so it needs to be buried inside of a compost pile so the other material acts as a biofilter and no odors are coming out of the pile," Hutchinson said. "You can easily put a small amount of meat in the middle of a compost pile and have it not be an issue." He also said products made of 100 percent cotton or wool can be composted, but could take a couple of cycles to fully break down. Other unexpected items that can be composted include hair, some animal waste, paper, tea bags, coffee filters and eggshells, according to the BDN.

#### **Jonathan Bomar: Graduate student puts his heart into cardiac research**

**06 Feb 2019**

Jonathan Bomar joined the University of Maine Graduate School of Biomedical Science and Engineering in 2014 after earning undergraduate degrees in geological sciences and psychology at Michigan State University. His current research examines how stem cells become heart muscle. The goal of his dissertation is to engineer therapeutic heart tissue in a lab. He envisions his research leading to "stem cell Band-Aids" — or patches of stem cells grown in Petri dishes that could replace damaged heart cells. The healthy cells, he says, would incorporate their way into the heart and begin to contract. Bomar conducts his research at FIRST, the Frontier Institute for Research in Sensor Technologies, formerly known as the Laboratory for Surface Science & Technology (LASST). He wants more students to become aware of the opportunities and resources for biomedical engineering research at UMaine. "Many people don't know that FIRST has biological research happening here," Bomar says. "It is a highly collaborative facility and you don't have to be in engineering to work here. You could be a chemist or biologist and use the same equipment to produce new technology." The full profile on Bomar is on the UMaine Research [website](#). Contact: Christel Peters, 581.3571

#### **Improving health care focus of partnerships with St. Joseph, UMF, UMM, Dartmouth**

**07 Feb 2019**

The University of Maine is leading multi-institution efforts to provide physicians with tools to help aging people avoid falls and to detect biomarkers associated with pancreatic cancer. Directed by UMaine engineering professor John Vetelino, researchers at UMaine, the University of Maine at Farmington and the University of Maine at Machias are collaborating with St. Joseph Hospital in Bangor. "We wanted to know how the sensor technology that we are developing at UMaine could contribute to health care in Maine and beyond from the viewpoint of physicians and health care providers," Vetelino says. UMaine researchers and students initially met with St. Joseph doctors and caregivers and determined that a sensor system that collected data about the gait and fall risk of aging adults could make a significant and immediate beneficial impact. In addition, UMaine and Dartmouth College researchers have begun collaborating on a sensor system to detect biomarkers associated with pancreatic cancer. For more information, visit the UMaine Research [website](#). Contact: Christel Peters, 581.3571

#### **Zenith Ensemble to highlight Handel and Bach in Feb. 16 concert**

**07 Feb 2019**

Zenith Ensemble will perform at 2 p.m. Feb. 16 in Minsky Recital Hall at the University of Maine. Led by Grammy-nominated performer and concertmaster Marika Holmqvist, the professional ensemble comprises five singers and six instrumentalists who hail from Maine, New Hampshire and Massachusetts. Some of the best pieces of the Baroque period's quintessential composers of vocal music — Johann Sebastian Bach and George Frideric Handel — will be featured, including Bach's "Jesu meine Freude" and Handel's

“Dixit Dominus.” Zenith Ensemble was founded on the belief that everyone should have access to extraordinary music, so tickets are pay-what-you-can. The suggested donation is \$25. Tickets can be reserved [online](#). For more information, email co-founder Nacole Palmer, [nacole.palmer@gmail.com](mailto:nacole.palmer@gmail.com). To request a reasonable accommodation, email Alan Berry, [richard.berry@maine.edu](mailto:richard.berry@maine.edu).

#### Mainebiz cites UMaine study in article on new Westbrook concert venue

07 Feb 2019

[Mainebiz](#) cited a University of Maine study in an article on development of a new concert venue in Westbrook. Construction on Rock Row, a mixed-use development in Westbrook, is just beginning and will include Maine Savings Pavilion at Rock Row, a temporary 8,200-person capacity amphitheater set to open this summer. The venue, a collaboration between Waterfront Concerts and Waterstone Properties Group, will have an immediate impact of 100 full-time jobs and, if it becomes permanent, could add millions of dollars to the state economy, Mainebiz reported. A 2016 UMaine study found that events at Darling’s Waterfront Pavilion in Bangor that year generated about \$24.9 million in economic output and \$8.1 million in labor income for local workers. Waterfront Concerts plans to move its summer series from the Maine State Pier in Portland to the new pavilion, more than doubling the capacity and increasing economic activity.

#### Penobscot Times previews Women of the World luncheon Feb. 11

07 Feb 2019

[The Penobscot Times](#) previewed a monthly luncheon hosted by Women of the World to take place at noon Feb. 11 at the Church of Universal Fellowship in Orono. The luncheon will be an indoor tailgate party, and attendees are encouraged to wear their favorite team’s colors, the article states. Cost is \$5 per person, \$2 for children age 6–10; children under 6 can attend for free with their mother. WOW is a group of international women, including Americans, who gather once a month around an ethnic lunch usually followed by a cultural program. The group is sponsored by the University of Maine’s Office of International Programs.

#### Sun Journal reports Master Gardener Volunteers Program accepting applications

07 Feb 2019

The [Sun Journal](#) reported the University of Maine Cooperative Extension is accepting applications for its Master Gardener Volunteers Program in Androscoggin and Sagadahoc counties. Training sessions will be at the UMaine Extension office in Lisbon Falls 4:45–8 p.m. Tuesdays April 2–May 28, and will resume Aug. 24–Oct. 15. Program participants will receive at least 40 hours of in-depth training in the art and science of horticulture, the article states. Master Gardeners also will volunteer their time and expertise for related activities in the community, such as gleaning at local farms during harvest season. The \$220 fee includes all materials; limited financial assistance is available. Applications are due online by Feb. 17, and those accepted will be notified by March 1. More information also is available online or by contacting Lynne Holland, 353.5550; [lynn.holland@maine.edu](mailto:lynn.holland@maine.edu).

#### Birkel quoted in WGME report on climate change, lake ice

07 Feb 2019

Sean Birkel, Maine State Climatologist and a research assistant professor at the University of Maine Climate Change Institute, was quoted in a [WGME](#) (Channel 13 in Portland) report on climate change and lake ice. Climate change could result in less lake ice in the near future, which would present problems for ice fishermen — and some depend on it for a living. Birkel said there is a “clear trend” showing that winters are becoming shorter, with ice often breaking up earlier in the spring. And while ice varies greatly from lake to lake, many lakes have one to two fewer weeks of ice time than a few decades ago, according to Birkel. Warmer lakes also could encourage the growth of algal blooms and make it more difficult for cold-water fish to survive, and could affect community events like fishing derbies that depend on thick ice cover, the report states.

#### Registration open for Maine Statehood and Bicentennial Conference at UMaine

07 Feb 2019

Registration is open for the Maine Statehood and Bicentennial Conference May 30–June 1 at the University of Maine. In July 1819, a majority of voters in the District of Maine chose to separate from Massachusetts. Maine became the 23rd state in the nation in March 1820. Conference organizers see the bicentennial as an opportunity to encourage public reflection and a deeper understanding of the past. An awareness of the challenges faced during the statehood process can encourage civic dialogue to enhance the present and future of Maine and its people. Seven panel discussions will be held throughout the conference at the Collins Center for the Arts and Wells Conference Center. Topics will include indigenous people and the Maine State Constitution, the Maine-Missouri Crisis and the politics of slavery, visual culture during the statehood era, the Madawaska Territory and statehood, historic Maine music, and public versus private ownership of Maine’s Public Reserved Lands. The conference also features a May 30 concert by DaPonte String Quartet (additional ticket required) and a free performance June 1 by The Bangor Band, one of the oldest continuous community bands in the United States. Registration is available [online](#). The conference is open to the public for \$60, and several of its major events are free. University of Maine System students, faculty and staff may register with no charge. Participation in the conference from local cultural organizations as well as middle and high school teachers and students is encouraged, especially as part of the [Maine History Festival](#), which will be held 2:30–4:30 p.m. May 31 at the Collins Center for the Arts. The festival will feature exhibit-style and poster presentations by cultural organizations and award-winning student research about Maine statehood and its ongoing legacies. The festival is co-hosted by the Osher Map Library and Smith Center for Cartographic Education at the University of Southern Maine (USM) and the Maine Studies Program at UMaine in partnership with National History Day in Maine and the Maine Historical Society. The conference’s [keynote](#) will follow the Maine History Festival at 5 p.m. May 31 in 100 D.P. Corbett Business Building, and will feature two Pulitzer-Prize winning historians: Alan Taylor, the Thomas Jefferson Foundation Chair in American History at the University of Virginia; and Laurel Thatcher Ulrich, 300th Anniversary University Professor emerita at Harvard University. A reception will take place during the Maine History Festival. The festival, reception and keynote are free and open to the public. Conference materials will be available via [Digital Commons](#). Select conference papers are likely to appear in bicentennial issues of the Maine Policy Review and Maine History as well as in a book of scholarly essays. Initial funding for the conference was provided by the UMaine President’s Office and the Morton-Kelly Charitable Trust. Several UMaine departments and programs are institutional partners of the event. Other contributors include USM, University of Maine at Machias, University of Maine at Fort Kent, University of Maine at Augusta, University of Maine at Farmington, Maine State Museum, Margaret Chase Smith Library, and the Maine Historical Society. The conference is one of several events slated around the state to mark [Maine’s bicentennial](#) in March 2020. More about the Maine Statehood and Bicentennial Conference, including a complete schedule, is [online](#). For additional information, email Liam Riordan, [riordan@maine.edu](mailto:riordan@maine.edu). For more about the Maine History Festival, email Libby Bischof, [elizabeth.bischof@maine.edu](mailto:elizabeth.bischof@maine.edu). Contact: Alan Berry, 581.1955

#### UMaine art faculty exhibition to open Feb. 15

08 Feb 2019

The Lord Hall Gallery at the University of Maine will present an exhibition of the rich and varied work of nine faculty members who teach in the Department of Art. [caption id="attachment\_65407" align="alignright" width="232"]



"Old Man Sausage" by Giles Timms[caption] "Featured Faculty / 2019," which runs Feb. 15 through March 8, will showcase work by Connie Albertson, Giles Timms, Andy Mauery, Wayne Hall, Susan Camp, Robert Pollien, Samantha Jones, Kris Engman and Matt Smolinsky. Exhibited art will include drawings, paintings, photographs, sculpture, digital media, mixed media, ceramics and sketches. The exhibition presents an overview of the research and creative accomplishments of studio art and art education faculty. An opening reception will be held 5:30–7 p.m. Feb. 15. The exhibition and reception are free and open to the public. Lord Hall Gallery is open 9 a.m.–4 p.m. Monday through Friday and is wheelchair accessible.

#### **Piscataquis Observer reports on Center on Aging's Senior Corps outreach project**

**08 Feb 2019**

[The Piscataquis Observer](#) reported the Maine Senior Corps, based in the University of Maine's Center on Aging, partnered with Renys department store in a statewide donation campaign for socks Jan. 5–31. Inspired by Gov. Janet Mills' inauguration call for everyone to serve fellow Mainers, the "Warm Heart, Warm Feet" initiative showed the power of collaboration among citizens, businesses and agencies to fulfill a basic need for older adults, the article states. Nurses with the Dexter Public Health Association, which serves the towns of Dexter, Garland and Ripley, received a donation of 75 pairs of socks to distribute to patients in need, according to the article. The Center on Aging also runs the Retired and Senior Volunteer Program (RSVP) and the Senior Companion Program. More information about the center's programs is [online](#).

#### **Golet requesting community help with tuna tagging, CapeCod.com reports**

**08 Feb 2019**

[CapeCod.com NewsCenter](#) reported Walter Golet, who is jointly appointed as an assistant research professor with the School of Marine Sciences at the University of Maine and a research scientist with the Gulf of Maine Research Institute, is requesting the help of community members with a National Oceanic and Atmospheric Administration tuna tagging project. The Atlantic Ocean Tropical Tuna Tagging Program was established by the International Commission for the Conservation of Atlantic Tunas in 2015 to study key aspects of bigeye, skipjack and yellowfin tuna in the Atlantic Ocean, the article states. Golet will work with colleagues at various institutions to deploy 5,000 conventional tags on tuna in the western North Atlantic Ocean. Those interested in volunteering to help tag tuna can email [walter.golet@maine.edu](mailto:walter.golet@maine.edu). Participants have a chance to win one of 20 cash prizes totaling more than \$39,000 to be awarded at the end of the project, according to the article. The data collected will help improve understanding of the species, which will enhance fisheries management and promote sustainability of the stocks.

#### **WABI reports on Dagher's offshore wind power talk**

**08 Feb 2019**

[WABI](#) (Channel 5) reported on a talk given Feb. 6 on the University of Maine campus by Habib Dagher, executive director and founder of the Advanced Structures and Composites Center. Dagher's talk was an update on Aqua Ventus, a planned floating offshore wind project. The goal is to install floating turbines off the Maine coast that will be capable of generating power for 9,000 homes, and to possibly scale up the design to generate even more power, WABI reported. Dagher said an important element moving forward will be teamwork, "across disciplines, across the university to help solve some of those very challenging problems. So it's a call to action, if you wish, for all of us to work together in teams to solve our new energy economy challenge."

#### **WVH, WABI cover annual Career Fair**

**08 Feb 2019**

[WVH](#) (Channel 7) and [WABI](#) (Channel 5) covered the annual Career Fair at the University of Maine. WABI reported students from four University of Maine System campuses attended the fair to meet with 170 different employers. "We've had students say, 'I've got an interview scheduled as a result of being at the fair. I've made great contacts.' And if nothing else, they learn about themselves and maybe what opportunities are available for them," said Crisanne Blackie, director of the UMaine Career Center. Most students attending were juniors and seniors, with some sophomores coming to look for internships, according to Blackie. "We have many faculty that encourage students to attend their first year so that they can get an idea of what's happening at the Career Fair and they get a little experience and know what to do next year." About 1,000 students were expected to attend, WVH reported. "It's a great way to meet professionals and network your way into a potential job or internship," said Sarah James, a fourth-year student who attended the fair.

#### **Maine Grain Conference slated for March 1 at UMPI**

**11 Feb 2019**

The annual Maine Grain Conference will be held 8:30 a.m.–5 p.m. March 1 at the University of Maine at Presque Isle. Topics for this year's conference, sponsored by University of Maine Cooperative Extension, include best practices in growing and storing grains, growing and licensing industrial hemp, camera-guided precision cultivation, whole farm grain budgets, foliar and seed diseases, and grain varieties trial results. Presenters include faculty and staff from UMaine, University of Vermont and the Maine Department of Agriculture, Conservation and Forestry; and industry experts from Eastern Grains, Inc. of New Brunswick, Canada, and Lake Shore Farms of Saint David, Maine. The \$30 fee, \$45 after Feb. 21, includes snacks and lunch. Online registration is required by noon Feb. 25. There will be 5.5 certified crop adviser credits and two pesticide credits offered. For more information or to request a reasonable accommodation, contact Ellen Mallory, 581.2942; [ellen.mallory@maine.edu](mailto:ellen.mallory@maine.edu). More information also is [online](#).

#### **Morning Ag Clips advances UMaine Extension small-scale greenhouse workshop**

**11 Feb 2019**

[Morning Ag Clips](#) advanced a University of Maine Cooperative Extension workshop on home and small-scale greenhouses 10 a.m.–noon March 21 at the UMaine Extension Piscataquis County office in Dover-Foxcroft. Matthew Wallhead, an ornamental horticulture specialist with UMaine Extension, will cover topics including technical greenhouse specifications and key control factors, such as temperature, levels of light and shade, irrigation, fertilizer application and atmospheric humidity, and planting schedules and crop selection. The cost is \$10 per person and includes materials. Registration is online. For more information or to request a reasonable accommodation, contact Anette Moulton, 564.3301; [anette.moulton@maine.edu](mailto:anette.moulton@maine.edu).

#### **WABI interviews Rosenbaum about new Facebook feature**

**11 Feb 2019**

[WABI](#) (Channel 5) interviewed Judith Rosenbaum, an assistant professor of communication and journalism at the University of Maine, for a report on a new Facebook feature. The feature, available to some users who have the most recent version of the Messenger



app for iOS and Android, will allow messages to be deleted within 10 minutes of sending. “Facebook right now is more popular among the older crowd whereas the younger adults are much more active on a platform like Snapchat, and I think Facebook is trying to keep that younger crowd on board, and they’re trying to tailor to them by providing them the ability to edit what they say,” Rosenbaum said. However, the new feature just prevents the message from reaching the intended recipient and does not permanently delete the message itself from cyberspace. “That is something that everybody just needs to be aware of, that sure, you can now retract a message, but it is still out there somewhere. It doesn’t mean it went away forever,” said Rosenbaum, who also recommends checking privacy settings on Facebook once a month or a couple times a year, and thinking before posting. “Would you shout this off a rooftop? If the answer is ‘no,’ then you probably shouldn’t put it on Facebook.”

#### **AP speaks with Kinnison, grad student for report on Arctic char DNA study**

**11 Feb 2019**

The Associated Press spoke with Michael Kinnison, a professor of evolutionary applications at the University of Maine; and Brad Erdman, a UMaine graduate student in ecology; for a report on a study of DNA in the waters where a rare species of fish can be found. The Arctic char can be found in 14 lakes and ponds in Maine, but nowhere else in the continental United States, according to the report. The char face threats like invasive predators and a warming climate, and are difficult to track. Kinnison and others are working with the state to ensure the population’s survival. Kinnison said the DNA shed by the fish and other organisms into the water can provide vital information needed to inform their work, and can be studied by collecting water samples, a less invasive and less time-consuming method than other ways, AP reported. “If your only tool to count a species is a gill net, and there’s not many, do you make the tough choice to risk killing the individuals to find them? It’s a way to get an idea of where organisms are located and do it in a way that presents really no harm,” Kinnison said. Erdman, who also is working on the project, said it launched in 2017 and is expected to continue through the summer. [Bangor Daily News](#), [Portland Press Herald](#), [WABI](#) (Channel 5), [Maine Public](#), The Telegraph, [India Today](#) and [Manila Bulletin](#) carried the AP report.

#### **Media cover Sorg’s latest report on Maine’s drug overdose issue**

**11 Feb 2019**

Media covered the latest report by Marcella Sorg, a research professor in the Department of Anthropology and Margaret Chase Smith Policy Center at the University of Maine. The report shows the number of drug overdose fatalities decreased 5 percent for the first three quarters of 2018, compared to 2017 — down 282 from 297 reported deaths. At least 89 percent were due to accidental overdoses. According to the report, heroin caused 19 percent of deaths in the first three quarters of 2018, and cocaine caused 25 percent of deaths, an increase from 22 percent in 2017 and 16 percent in 2016. The majority of deaths — 61 percent — were caused by fentanyl, and 81 percent of deaths were caused by two or more drugs, three on average. The report indicates Maine’s opioid crisis is still a prominent issue — 82 percent of overdoses were caused by at least one opioid. Year-end numbers for 2018 have not been finalized, but the report projected there will have been 376 drug overdoses in Maine for the year. [Mainebiz](#), [Bangor Daily News](#), [Portland Press Herald](#), [News Center Maine](#) and [WAGM](#) (Channel 8 in Presque Isle) covered the report. [Sun Journal](#), [Kennebec Journal and Morning Sentinel](#) and [Journal Tribune](#) carried the Press Herald article, and [The County](#) carried the BDN article.

#### **15th Canadian/U.S. Lobstermen’s Town Meeting April 5–6 in Portland**

**11 Feb 2019**

*Editor’s note: Story updated March 11.* The 15th Canadian/U.S. Lobstermen’s Town Meeting, hosted by the University of Maine Lobster Institute, will be held April 5–6 at the Westin Portland Harborview Hotel in Portland, Maine. The theme of this year’s meeting is “Two Nations, Two Fisheries: Shared Challenges, Shared Opportunities.” Lobstermen, dealers, processors, scientists and policymakers from the Northeast United States and Atlantic Canada, will gather to discuss the status of the lobster resource and the business of lobstering. The American lobster fishery is currently the most valuable single-species in North America. But in Canada and the United States, this iconic fishery is facing an unprecedented gauntlet of challenges as it enters the third decade of the 21st century. Whether it’s shifting lobster distributions in a warming ocean or a dwindling bait supply, redoubled gear restrictions to protect whales or unpredictable global markets, harvesters, dealers and resource managers need to be nimble to succeed. With each challenge comes new opportunities, according to Richard Wahle, director of the UMaine Lobster Institute and a research professor in the School of Marine Sciences. The town meeting format will feature experts from industry, government and academia framing the issues with perspectives from both sides of the border, followed by a moderated discussion from the floor. The meeting will run all day Friday, followed by an evening social, and will conclude at noon Saturday. Register [online](#) or call 581.4095. The Lobstermen’s Town Meeting, first held in 2004, alternates between the U.S. and Canada each year. The Lobster Institute, a center in UMaine’s College of Natural Sciences, Forestry, and Agriculture, is dedicated to engaging the university’s faculty, students and facilities with stakeholders in the lobster fishery of the United States and Canada. More information is [online](#). Sponsors secured to date include the Consulate General of Canada in Boston, Maine Sea Grant, Inland Seafood, Maine Salt, Maritime Fishermen’s Union, Maine Center for Coastal Fisheries, and the University of Maine Office of the Vice President for Research. Contact: Margaret Nagle, 207.581.3745

#### **Sulinski participates in eXtension Innovation Facilitator Training**

**11 Feb 2019**

Francine Sulinski, assistant director of the University of Maine Cooperative Extension, participated in a national Innovation Facilitator Training through the eXtension Impact Collaborative. This training, which was held in Atlanta, brought together Cooperative Extension professionals from 28 institutions around the country, and it was featured on the [eXtension blog](#) and in a [bulletin of the National Institute of Food and Agriculture](#).

#### **UMaine Campus Rec Center ranked No. 3 in nation**

**12 Feb 2019**

Great Value Colleges has ranked the University of Maine’s New Balance Student Recreation Center as No. 3 on its list of “50 Great College Gymnasiums and Recreation Centers for 2019.” The article noted UMaine was featured on six different methodology lists and mentioned amenities including the \$25 million rec center building, ice skating rink, challenge/ropes course, swimming pool and tennis courts. The rankings are created based on a combined list ranking from 14 publications; evidence of commitment to future upgrades; evidence of supplementary facilities, such as outdoor spaces; and evidence of innovation. The full list is [online](#). Great Value Colleges is a website that assists students in finding the best degree, school and career options, and resources for a chosen degree and career, according to its [website](#).

#### **‘Writing to keep Hollywood relevant’ the topic of King Chair Lecture March 1**

**12 Feb 2019**

*Editor’s note: Story updated Feb. 14.* Writing to keep Hollywood relevant will be the focus of a lecture by Emmy Award-winning television writer and producer Adam Barr on March 1 at the University of Maine. Barr, a Lewiston, Maine native, will give a talk, “Made for TV: Writing to Keep Hollywood Relevant,” as part of the Stephen E. King Chair Lecture Series. The free public lecture begins at 4:30 p.m. in Wells Conference Center, with a social beginning at 4 p.m. Snow date is March 4. Barr studied American history and literature at Harvard University, and for nearly 30 years has written for a number of shows, including “The New Adventures of Old Christine,” “Desperate Housewives” and “Suburgatory.” He was a writer and producer for the first season of “Will & Grace” in 1999, earning an Emmy Award in 2000. He now serves as executive producer of the series revival while working on various other television pilots and screenplays. More information about the King Chair Lecture Series is [online](#). To request a reasonable accommodation, call 581.1226.

#### **Ellsworth American reports Bricknell spoke at Whole Oceans meeting**

**12 Feb 2019**

[The Ellsworth American](#) covered a Feb. 5 meeting of Portland-based aquaculture company Whole Oceans at the Bucksport Performing Arts Center. The meeting focused on explaining the recirculating aquaculture system (RAS) the company plans to use to farm Atlantic salmon. Ian Bricknell, a professor in the School of Marine Sciences at the University of Maine, attended the meeting and spoke to the audience, The Ellsworth American reported. Biosecurity is critical for any aquaculture operation, especially an RAS facility, Bricknell said. Atlantic salmon can be exposed to naturally occurring pathogens and sea lice in ocean fish pens, an issue that can be avoided in an RAS where water is filtered and monitored, the article states. And the system also will prevent pathogens from escaping into the natural environment. “The ocean is full of disease” affecting fish, said Bricknell. “On land, there is much more control and much less disease.”

#### **Morning Ag Clips advances UMaine Extension Pork 101 workshop**

**12 Feb 2019**

[Morning Ag Clips](#) advanced a University of Maine Cooperative Extension workshop, “Pork 101,” from 11 a.m.—2 p.m. March 22 at the UMaine Extension Piscataquis County office in Dover-Foxcroft. The workshop will be a beginner’s introduction to raising pigs, including when and where to buy pigs, and how to house, feed and keep them healthy. The program, led by Extension livestock specialist Colt Knight, also will include a taste-testing of fresh, brined and smoked bacon. The cost is \$10, and includes program materials and a light lunch. Registration is required online. For more information or to request a reasonable accommodation, contact Anette Moulton, 564.3301; [anette.moulton@maine.edu](mailto:anette.moulton@maine.edu).

#### **Fiddlehead Focus, Mainebiz report Bangor restaurants to use UMaine’s Caribou Russet**

**12 Feb 2019**

[Fiddlehead Focus](#) and [Mainebiz](#) reported two Bangor restaurants will begin to use the popular Caribou Russet potato variety developed at the University of Maine during high school basketball tournament week. Geaghan’s Pub and Craft Brewery will use the potato in a variety of dishes, and Hops House 99, located inside Hollywood Casino, will use it to make hand-cut fries. Both restaurants are across the street from the Cross Insurance Center, which also serves the Caribou Russet at its concessions stands, the articles state. Both restaurants plan to continue using the variety while the supply lasts, which is projected to be through mid-spring. The Caribou Russet was developed in the breeding program overseen by Gregory Porter, chairman of the UMaine Department of Plant, Soil and Environmental Sciences, and appeared in store shelves in 2016 with a limited supply. Hannaford began stocking the variety in 2017, and this year more stores are carrying the potato, making it widely available throughout New England. [Bangor Daily News](#) and [The County](#) carried the Fiddlehead Focus article.

#### **Morning Ag Clips previews Farmer and Grower Winter Potluck**

**12 Feb 2019**

[Morning Ag Clips](#) previewed a University of Maine Cooperative Extension Farmer and Grower Winter Potluck Feb. 16 at United Farmers Market of Maine in Belfast. The Waldo County Extension Association invites all local farmers and growers to the third annual event, a chance to socialize and learn with fellow farmers. This year’s event will feature a presentation titled “Farm Response to Changing Weather” by Glen Koehler, an associate scientist with UMaine Extension. The potluck will begin at 4 p.m., with the presentation at 5 p.m., Morning Ag Clips reported. For more information or to request a reasonable accommodation, contact Rick Kersbergen, 342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

#### **Ellsworth American, MD Islander report UMaine Extension a partner in successful gleaning year**

**12 Feb 2019**

[The Ellsworth American](#) and [Mount Desert Islander](#) reported Healthy Acadia’s Downeast Gleaning Initiative, a food collection and distribution project that addresses food insecurity and prevents food waste, collected 26,100 pounds of food from farms, gardens and farmers markets in Hancock and Washington counties in 2018. University of Maine Cooperative Extension is a partner of the initiative, and the project is supported by volunteers from UMaine Extension’s Master Gardener program, the article states.

#### **BDN interviews Drummond for article about ordering bees**

**12 Feb 2019**

The [Bangor Daily News](#) interviewed Frank Drummond, a professor of insect ecology and insect pest management at the University of Maine, for the article “Why the middle of winter is the best time to order bees.” With bee season approaching, beginning beekeepers must think about when to order bees. “You should order them right away mainly because the beekeepers who put together the [bee packages] usually start at this time of year. You need to get orders in soon,” Drummond said. “There is a limited supply of bees, and demand is quite high. Beekeepers can only make up so many [packages], so you might get put on a waiting list.” Bees can be ordered in packaged colonies of a few pounds of bees without infrastructure, or as nucleus colonies or “nucs,” which are often more expensive and consist of a few frames with partially developed colonies, according to the BDN. January is ideal for ordering packaged bees, which can have a delivery date set at the start of the spring season. “If you can, have them deliver at the end of April even or the first week in May when wildflowers are just starting to bloom. It’s easier to get [bee colonies] established successfully,” said Drummond. Especially in cold climates like Maine, where there is still snow in April, the bees will have a better chance later in the season. But Drummond said nucleus colonies could be better for Maine beekeepers. “The advantage of the nucleus colonies is that there are a lot more people in northerly climate that put together nucleus colonies. You’ll pay a little more for a nucleus colony, but they’re stronger and they start building up more quickly. It’s really important in areas with a short season, which is typical in Maine,” said Drummond. Nucleus colonies are sometimes delivered in May or June, or later in summer when small beekeepers are thinning colonies to prevent swarming, the BDN reported. There also is less supply of nucleus colonies, and the quality can vary widely. Problems can be avoided and the process streamlined by joining a local club. “Being a part of a bee club is a really good thing because quite often the bee clubs do a mass ordering and you can [get] cheaper prices on the packaging,” said Drummond. “If you’re not sure how to set them up, members of the bee club can help you.”

#### **Morning Ag Clips announces adaptive gardening class beginning April 3**

**14 Feb 2019**

[Morning Ag Clips](#) announced a University of Maine Cooperative Extension four-week course in adaptive gardening will begin April 3. The class meetings will be noon–2:30 p.m., with remaining sessions on April 10, 17 and 24, with a snow date May 1. All sessions will be held at the UMaine Extension Penobscot County office in Bangor. The course is for individual gardeners and service providers supporting gardeners with physical or cognitive challenges that may affect their ability to garden, the article states. The course will focus on individual abilities and recommendations to help make gardening more approachable, safe and fun, with time for discussion, networking and sharing ideas. The fee is \$50 and includes materials and light refreshments. Registration is online. For more information, contact the Penobscot County Extension Office, 942.7396; [extension.penobscot@maine.edu](mailto:extension.penobscot@maine.edu).

#### **Penobscot Times reports UMaine named 2019–20 Military Friendly School**

**14 Feb 2019**

[The Penobscot Times](#) reported the University of Maine has been included for the eighth year in a row on a list of “military friendly” colleges, universities and educational institutions that offer noteworthy services, opportunities and support for veterans of the United States military service. The Military Friendly Schools list is compiled each year by VIQTORY based on research from public data sources, input from student veterans and survey responses from participating institutions, according to the article.

#### **Morning Ag Clips advances wild apple tree workshop March 16**

**14 Feb 2019**

[Morning Ag Clips](#) advanced a University of Maine Cooperative Extension workshop on reviving and managing wild apple trees 9 a.m.–noon March 16 at Colebrook Farm in South Paris. UMaine Extension Oxford County is partnering with the Oxford County Soil and Water Conservation District to host the workshop, which is \$15 per family. Registration is required by March 14, and participants are encouraged to dress for the weather, Morning Ag Clips reported. To register, for more information or to request a reasonable accommodation, contact Jean Federico, 744.3119; [oxfordcountyswcd@gmail.com](mailto:oxfordcountyswcd@gmail.com).

#### **Penobscot Bay Pilot, VillageSoup preview screening of ‘Lobster War’ Feb. 27**

**14 Feb 2019**

The [Penobscot Bay Pilot](#) and [VillageSoup](#) previewed a screening of the award-winning, feature-length documentary film “Lobster War: The Fight Over the World’s Richest Fishing Grounds” at 6 p.m. Feb. 27 at the University of Maine Hutchinson Center in Belfast. Richard Wahle, director of the UMaine Lobster Institute and one of the researchers interviewed for the film, will give an introduction. The screening is free and open to the public. For more information or to request a reasonable accommodation, contact Nancy Bergerson, 338.8049; [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu).

#### **VillageSoup reports Rosenbaum to speak on social media, democracy Feb. 23**

**14 Feb 2019**



[VillageSoup](#) reported Judith Rosenbaum, an assistant professor of communication and journalism at the University of Maine, will give a talk about the effect of social media on democracy at 1:30 p.m. Feb. 23 at the Waldoboro Public Library. Politicians, activists, reporters and other people of all ages and backgrounds use social media for many purposes in daily life. Rosenbaum will address questions of how well informed social media platforms leave the average citizen, whether and how these platforms contribute to the polarization of society, and if they allow for much-needed civic dialogue between opposing parties, the article states. Rosenbaum also will discuss her research into the potential of Twitter to serve as a virtual public sphere. The talk is free and open to the public.

#### The Maine Edge interviews cast member in preview of ‘Spamalot’

14 Feb 2019

[The Maine Edge](#) interviewed Steve McCoy, who plays the role of King Arthur in the touring production of “Spamalot,” in a preview of the show that will come to the University of Maine’s Collins Center for the Arts. With book and lyrics by Eric Idle and music by John Du Prez, “Spamalot” is inspired by the film “Monty Python and the Holy Grail.” The show at UMaine will be at 7 p.m. Feb. 20.

#### Lincoln County News reports Rigaud’s talk rescheduled for Feb. 20

14 Feb 2019

[The Lincoln County News](#) reported a Feb. 13 talk by Christopher Rigaud, the diving operations manager for the University of Maine, is rescheduled for noon Feb. 20 in Brooke Hall at UMaine’s Darling Marine Center in Walpole due to a snowstorm. The talk will provide an inside look at scientific diving with the U.S. Antarctic Program. Established in 1959 by the National Science Foundation, the program oversees the research and logistical support of three research stations on the continent, including a scientific diving program that facilitates safe underwater research in extreme polar conditions, the article states.

#### Penobscot Times advances Zenith Ensemble concert

14 Feb 2019

[The Penobscot Times](#) advanced a concert by the Zenith Ensemble in Minsky Recital Hall at the University of Maine at 2 p.m. Feb. 16. The ensemble includes five singers and six instrumentalists from Maine, New Hampshire and Massachusetts, and is led by Grammy-nominated performer and concertmaster Marika Holmqvist, the article states. The concert will feature music by Johann Sebastian Bach and George Frideric Handel, and is pay-what-you-can with a suggested donation of \$25. Tickets can be reserved [online](#). For more information, email Nicole Palmer at [nacole.palmer@gmail.com](mailto:nacole.palmer@gmail.com); to request a reasonable accommodation, email Alan Berry at [richard.berry@maine.edu](mailto:richard.berry@maine.edu).

#### UMaine students collecting paper goods donations, WABI reports

14 Feb 2019

[WABI](#) (Channel 5) reported University of Maine students will be at Shaw’s Supermarket in Bangor on Feb. 16 to pass out lists of items needed for the Winter White-Out Paper Drive. Items collected will go to the Welcome to Housing Home Goods Bank, which provides free household goods to people in need, according to WABI. People can bring items or buy them at Shaw’s to donate from 10 a.m.–3 p.m. For more information, email [welcometohousing@gmail.com](mailto:welcometohousing@gmail.com). [WVII](#) (Channel 7) also covered the event.

#### Sun Journal previews faculty art exhibition opening Feb. 15

14 Feb 2019

The [Sun Journal](#) previewed an exhibition by faculty members in the University of Maine Department of Art set to open Feb. 15. “Featured Faculty / 2019” at the Lord Hall Gallery will showcase the works of nine faculty members: Connie Albertson, Giles Timms, Andy Mauery, Wayne Hall, Susan Camp, Robert Pollien, Samantha Jones, Kris Engman and Matt Smolinsky. Exhibited art will include drawings, paintings, photographs, sculpture, digital media, mixed media, ceramics and sketches, the article states. An opening reception will be held 5:30–7 p.m. Feb. 15, and the exhibit will run through March 8. Lord Hall Gallery is open to the public from 9 a.m.–4 p.m. Monday through Friday and is wheelchair accessible.

#### Town Line quotes Mortelliti in article on ermine

14 Feb 2019

[The Town Line](#) quoted Alessio Mortelliti, an assistant professor of wildlife habitat ecology at the University of Maine, in an article about ermine entering people’s homes. There have been several recent reports of ermine, the name for a short-tailed weasel with its white winter coat, entering homes in Harpswell, Cumberland and Bangor. Weasels are naturally curious and common throughout Maine, but people do not often see them because they’re well camouflaged and move quickly, according to The Town Line. “It’s pretty much anywhere in the world, plus it’s an invasive species in some places,” said Mortelliti. And ermine are bold and aggressive. “They can go for prey that is bigger than them,” such as young rabbits and hares, though they prefer mice and voles, according to Mortelliti. To remove weasels from the home, the article recommends using a baited trap, with fresh meat placed far enough into the trap that the weasel has to completely enter to reach it and will be trapped inside. Weasels are known to bite, so wearing heavy gloves is a good precaution when handling the trapped animal and taking it deep into the woods, the article states.

#### In Sweden, Waller shares in-depth knowledge of cold-water corals

15 Feb 2019

Rhian Waller’s front yard is a 660-foot-deep fjord. The long, narrow sea inlet nestled between cliffs in Tjörn, Sweden is home to a host of marine species, including seabirds and harbor seals. And corals. Until January 2020, the fjords also will be areas of exploration for Waller, a University of Maine marine scientist based at the Darling Marine Center in Walpole. Where she’s stationed, adjacent to the country’s first national marine park, she has access to *Lophelia pertusa* corals, which are pink, yellow or white. “Usually I work with preserved samples in jars,” Waller says. “Here, I get to work with live corals and do experiments I could only dream of with most deep-sea species.” [caption id="attachment\_65490" align="alignright" width="300"]



Ann Larsson, a senior lecturer in the Department of Marine Sciences at the University of Gothenburg in Sweden, and Rhian Waller, an associate professor of marine sciences at the University of Maine[caption] Waller’s a visiting researcher at the University of Gothenburg, based at the Sven Lovén Center. She’s in Sweden as part of the Marie Curie Mobility for Regional Excellence 2020 (MoRE2020) program that encourages researchers from various countries to exchange knowledge and skills with scientists in the Gothenburg region of Sweden. The cold-water coral expert has participated in dives all over the world, including the Gulf of Maine. In 2016, the 100th anniversary of the National Park System, Waller led the first-ever extensive expedition of underwater fjords in Glacier Bay National Park and Preserve in Alaska. She’s also a fellow in the international Explorers Club that encourages scientific discovery during exploration of land, sea and space. And in 2013, the celebrated ice water diver was featured in National Geographic as a 21st-century risk-taker in the “New Age of Exploration” exhibition. She and colleagues at the Sven Lovén Center use a Remotely Operated Vehicle (ROV) to capture video and collect the corals that build spectacular structures. Some *Lophelia pertusa* reefs have been estimated to be about 8,000 years old. For a number of species — crabs, lobsters, starfish, snails and large fish, for example — *Lophelia pertusa* ecosystems provide protection from predators and a place to reproduce and find food. “They all use these structures for feeding, raising young and even laying eggs,” Waller says. The corals live at considerable depths but they’re still impacted by human activities. Bottom-trawling fishing equipment, for instance, crushes the coral. Bottom trawling is rare now in the area of Sweden where Waller is located, but because the corals grow just a few millimeters a year, the 115-foot reefs take a long time to rebound. In some areas in Sweden, they’re classified as extinct. <https://youtu.be/ldzYMu-9lsA> [Read transcript](#) While not a lot is known about how climate change affects these corals, Waller’s project could change that. She’s examining whether they are affected by higher ocean temperature and lowered salinity (due to more

freshwater runoff). The slow-growing hard corals are filter feeders. When floating plankton or krill brush up against polyps' tentacles, they're speared with tiny pointed barbs all along the tentacles. The tentacles then pull the prey into the polyps' mouths. Because the corals are fixed in one place, larvae are essential to maintaining healthy populations. Colonies — which are either male or female — release sperm and eggs, respectively, into the ocean. When larvae settle on the seabed, they metamorphose, develop polyps and start new colonies. "There are populations that aren't seeing any regrowth," says Waller. "Maybe this is because of lack of larvae to the area." Waller takes larvae from male and female corals (she learns the gender of the coral in the lab by opening polyps) to assess how environmental stressors, including temperature and salinity, affect the vulnerable larvae of the habitat-forming species. She's investigating whether corals under climate stress in the Swedish-Norwegian fjord region can fertilize and whether larvae under climate stress grow and migrate normally through the water column. Waller's findings could produce information vital to effective marine management and conservation measures in the area. Just like the deep-sea corals Waller has examined in the Gulf of Maine, *Lophelia pertusa* are vital to healthy ocean ecosystems because of the abundance of life they support. "When these corals are removed or die off, all the other organisms that use these habitats, including commercially important or protected species, are removed as well," she says. In addition to research, Waller and her husband — a software engineer who works remotely — are enjoying exploring the area with their 3-year-old and 1-year-old sons. "It's been, and is going to be, such a wonderful experience for the kids," she says. The boys' preschool class includes seven other children from Tjärnö Village, which has a population of about 500. They sled and have picnics on the beach. "The preschool teachers only speak Swedish in class, so it's a great learning opportunity for them. My husband and I will need to learn Swedish so we know what they're talking about," she laughs. Contact: Beth Staples, 207.581.3777

## Transcript

**Rhian Waller:** Hi. I'm Dr. Rhian Waller, an associate professor of marine sciences at the School of Marine Sciences, University of Maine. And I'm usually based down at the Darling Marine Center. But as you can see behind me, I'm not at the Darling Marine Center right now. I'm actually at the Sven Loven Center for Marine Research and Infrastructure, which is in Tjärnö, in Sweden, on the west coast. Northwest, really close to the border with Norway. I'm actually here for a year on a fellowship. I'm here to work with some collaborators, looking at the larval biology of cold-water coral that lives in the fjords right behind us. These fjords are about 660 feet deep and have some very cold water in them and actually house deep-water and cold-water corals. And this is where I'm going to be based for the year. Today it's snowing. We don't get a lot of snow down here so this is pretty unusual. There's about an inch or so on the ground. So the ocean is right here. This is the fjord. This is one of the small research vessels. The big research vessel is out today in the snow. And across the way, that island is the island of Saltö, that's actually part of the Kosterhavet National Park, and so that's where we're doing some of the work for this project. So, here we are inside the cold room. It's a bit loud in here because of all the pumps. And here we can kind of see behind me, these are all our deep-water corals in tanks. These are deep-sea corals, they usually occur in about 500 to 1,000 meters. They occur in about 100 meters here in the fjords in Sweden and Norway. Over the last few days, we actually have had quite a number of spawnings. It's actually quite early in morning right now because we have been up a lot of the night collecting larvae and putting them into little dishes. So here are the dishes down here. These are the *Lophelia* corals. And all those little specks you can see are the eggs. What we're going to do with these larvae is look at how they respond to climate change. So we're going to put them through warming scenarios and put them through some salinity scenarios, too. Put them in slightly fresher water because here in the fjords one of the concerns is extra runoff. So, I'll be here for one year working on this project. [Back to post](#)

### Greater Bangor area bus system seeks community input

15 Feb 2019

The Community Connector, a fixed-route bus system serving the Greater Bangor urbanized area, including Orono and the University of Maine, seeks public input regarding how the system might be changed to better meet community needs. The Bangor Area Transit Study survey is available [online](#) until Feb. 21. Opinions also can be emailed to [feedback@bangortransit.study](mailto:feedback@bangortransit.study) at any time during the study. The project will result in short- and long-range strategic plans aimed at improving operational efficiency, ultimately leading to user benefits such as enhanced bus reliability and shorter travel times. The Community Connector and Black Bear Orono Express are available for free for those with a valid MaineCard.

### MDOE highlights Reading Recovery success story

15 Feb 2019

The [Maine Department of Education](#) recently shared a story in its online newsletter about an Old Town High School senior who overcame reading and writing struggles as a young student with the help of Reading Recovery. Emma Hargreaves received individualized literacy instruction through the program as a first-grader, and today she has a love of reading, is an honors student, and will finish near the top of her high school class, the MDOE article says. Reading Recovery uses one-on-one instruction to help first-grade students who experience difficulty in reading and writing. Specially trained teachers work to meet each child's individual needs in lessons that last from 12 to 20 weeks. The University of Maine Training Center for Reading Recovery and Comprehensive Literacy provides training and ongoing professional development for teacher leaders, who in turn train Reading Recovery teachers in schools throughout the state.

### BDN refers to lobster study in article about rising temps

15 Feb 2019

A [Bangor Daily News](#) story about how Maine's climate won't feel like Maine in another 60 years cited a 2016 study by researchers at the Darling Marine Center and Bigelow Laboratory for Ocean Sciences. The study indicated that baby lobsters may not be able to survive if temperatures in the Gulf of Maine increase by 5 degrees, which is how much the United Nations' Intergovernmental Panel on Climate Change expects the Gulf's temperature to rise by 2100. [WGME](#) (Channel 13 in Portland) carried the BDN story.

### Nurse's bee pollen analysis mentioned in Entomology Today

15 Feb 2019

Andrea Nurse, a paleoecology research associate with the Climate Change Institute, was mentioned in an [Entomology Today](#) article about tracking pesticides in honey bee pollen to their source plants. Nurse specializes in pollen and plant macrofossil analyses.

### Garland gives gardening tips to BDN readers

15 Feb 2019

The [Bangor Daily News](#) asked Kate Garland, University of Maine Cooperative Extension horticulturist, for tips about getting garden plots ready for spring. Garland recommends testing and, if necessary, neutralizing the soil. She also suggested adding compost to improve the soil structure and planning where to place pathways.

### Birkel, Mayewski, Stancioff cited in Pine Tree Watch climate planning piece

15 Feb 2019

University of Maine scientists Sean Birkel, Paul Mayewski and Esperanza Stancioff were mentioned in a Pine Tree Watch report about planning for climate change that ran in [The Times Record](#). The Climate Change Institute's [Coastal Maine Climate Futures report](#), prepared by Maine State Climatologist Birkel and CCI director Mayewski, was highlighted in the article. "With the eastern Arctic mean annual temperature having warmed as much as 8 degrees Fahrenheit in less than five years, this climate shift is as dramatic as the abrupt change from ice age to modern climate that took place 11,500 years ago," they wrote in the report. Birkel says as a scientist he hopes that his work, including applying a scenario planning model to anticipate possible climate effects on farming and fishing in Maine, can be of benefit. Stancioff, a University of Maine Cooperative Extension climate change educator, is surveying municipal officials to gauge their needs. She hopes to create a website to share community-project information, according to the story.

### UMaine Diversity Leadership Institute accepting applications for 2019–20 cohort

15 Feb 2019

The University of Maine's Division of Lifelong Learning and Diversity Leadership Advisory Committee encourage UMaine employees who are interested in helping to shape a diverse and inclusive campus community to apply for the UMaine Diversity Leadership Institute (UMDLI) 2019–20 cohort. UMDLI was established in 2004 with the mission to provide opportunities to understand, appreciate, support and strengthen the diversity of UMaine's community. The mission aligns with the university's commitment to honoring the heritage and diversity of the state and nation. Now in its 15th year, the institute is a one-year intensive training program designed to foster awareness of all facets of diversity and inclusion and provide leadership skills to enable change. The Diversity Leadership Advisory Committee, with the support of the Division of Lifelong Learning, is offering the program at no cost to the participant or their department. "This is truly a unique opportunity to explore various topics of diversity with colleagues from across the campus in a safe and supportive environment. As a 2017–18 participant, I looked forward every month to our thoughtful and candid conversations," says Monique LaRocque, associate provost for the Division of Lifelong Learning. Applications and additional information on UMDLI are [online](#). The deadline to apply is March 8. For more information, call 581.3113 or email Barbara Blazej, [blazej@maine.edu](mailto:blazej@maine.edu) or Barbara Cochran, [barbara.cochran@maine.edu](mailto:barbara.cochran@maine.edu).

## Sandra Caron selected 2019 Distinguished Maine Professor

15 Feb 2019

Sandra Caron is the recipient of the University of Maine Alumni Association's 2019 Distinguished Maine Professor Award that recognizes the highest qualities of teaching, research and public service. The UMaine professor of family relations and human sexuality is a "triple threat," says Timothy Reagan, dean of the College of Education and Human Development. In addition to being an outstanding educator and extremely productive and gifted scholar, Reagan says Caron is an active, valued citizen on campus and beyond.



[caption id="attachment\_65515" align="alignright" width="223"]

Sandra Caron[/caption] Since joining the faculty in 1988, Caron has taught more than 25,000 students. These days, about 1,000 students annually enroll in her courses in family studies and human sexuality. Caron, who also is a member of the Women's, Gender, and Sexuality Studies faculty, says that fundamental to her teaching "is the belief that every human being must be genuinely respected and valued for what he or she is — a worthy person, who is in the process of becoming." She uses films, music, guest lecturers, panels and participatory projects to make classes engaging and relevant. Caron also portrays historical figures in class, including Queen Victoria talking about the history of sexuality, and Margaret Sanger discussing birth control. And to alleviate anxiety before finals, Caron has enlisted skydivers and the Pride of Maine Black Bear Marching Band to deliver the exams. Elizabeth Allan, professor of higher education, says that over the years Caron has eagerly embraced and pioneered new technologies — including teaching on ITV (Instructional Television) and online, as well as utilizing clickers in the classroom to enhance student engagement and encourage active learning. When developing courses, Caron is committed to incorporating the experiences of minorities, non-Western cultures and women of all social and ethnic origins. Her creative and forward-thinking educational approaches have been recognized on multiple occasions over three decades — including a University of Maine Presidential Outstanding Teaching Award in 1998 to a Faculty Excellence Award from the University of Maine Alumni Association in 2017. Caron's class evaluations are among the highest in the College of Education and Human Development, Reagan says. One student recently wrote, "Dr. Caron is the most dynamic, provocative and inclusive educator on this campus." Alumna Danielle Gluckman says Caron is the reason she has such a strong passion for health education and reproductive health, and is the reason she applied to graduate school. "I admire ... Dr. Caron's involvement in her students' academic and professional growth," says Gluckman, a 2018 graduate pursuing a master's degree in human development. "After listening to what a student is looking for, Dr. Caron offers realistic ideas and resources for further training or schooling, and will often get in touch with professionals in the field wherever the student plans to live." Alumna Jennifer Schlenker says Caron's enthusiasm, knowledge and genuine care for students are unparalleled. "Her concern and encouragement for my intellectual and personal endeavors have enabled me to explore academic and career opportunities that otherwise would not have been possible," Schlenker says. In addition to Caron's considerable teaching responsibilities, she has chaired more than 50 graduate committees and served on more than 100 thesis and dissertation committees. Allan calls Caron's research productivity nothing short of extraordinary, especially in light of her demanding teaching and advising load. Caron's research and nearly 50 scholarly publications have focused primarily on the social-sexual development of young people. For 30 years, she has surveyed UMaine students about their sexual attitudes and behaviors to track trends. Caron has written several books, including "The Sex Lives of College Students," "Birds and Bees and more," "Sex Around the World," and "Sex Matters for College Students." She also co-wrote three guides to help novices understand the basics of football and hockey. For two decades, Caron wrote a weekly Q&A column in The Maine Campus titled "Sex Matters," which became the longest running column on sexuality in a campus newspaper. She also hosted a radio show by the same name on WMEB, the campus radio station. Caron continues to host a national website, collegesextalk.com. Allan credits Caron, a UMaine alumna, with devoting countless hours to projects that advance a more inclusive and socially just campus and society. A sampling of the committees on which she has served during the last 30 years include: LGBTQ & Allies Council, Sexual Assault & Violence Prevention, Faculty Senate, Associated Faculties of the University of Maine, Wilson Center for Spiritual Exploration and Multifaith Dialogue, Athletic Advisory Board, and the Pi Beta Phi Alumni Committee. In recognition of her dedication and service, Caron was presented the Presidential Public Service Award in 2002. Caron's contributions "emerge in many big and small ways because they are just part of who she is — whether it's organizing a massive group to break a Guinness World Record, cheering UMaine athletes at the field or rink, or organizing a rotational dinner party for all the faculty and staff in Merrill Hall — her energy is boundless and her commitment to UMaine is unwavering," Allan says. Brenda Power, the 1999 Distinguished Maine Professor and founder of Choice Literacy, says Caron "always has time, energy and heart for any living being in need," from providing expert advice about reporting suspected child abuse to caring for cats at a rural shelter. Those quiet contributions — which aren't cited and cannot be quantified — "for desperate folks who may have nowhere else to go, ... may be her greatest legacy," writes Power in her nomination letter. Caron, a licensed clinical professional counselor, also founded three nationally recognized peer education programs: Athletes for Sexual Responsibility, Male Athletes Against Violence, and the Greek Peer Educator Program. Among her numerous community distinctions are the Mabel Sine Wadsworth Women's Health Achievement Award in 2013 for her lifelong contributions to sexual and reproductive health, and the Maine Family Planning Association's Margaret Vaughn Award in 1999 for Outstanding Contribution to Sexuality in Maine. David Townsend, professor of oceanography and the 2006 winner of the award, says, "Quite simply, her qualifications, record of performance, devotion to her profession, and overall probity as pertains to this prestigious award are unmatched by any other member of our faculty." The UMaine classes of 1942 and 2002 sponsor the award. In addition to a \$4,200 prize, Caron will receive a blazer and a pewter medallion, funded by the Class of 1942. Caron will be honored at the Alumni Achievement Awards dinner and celebration April 5 at Wells Conference Center. Contact: Beth Staples, 207.581.3777

## UVA professor Ramazani to lead panel on 'Poetry of the First Global War' Feb. 22

19 Feb 2019

Jahan Ramazani, Edgar F. Shannon Professor and University Professor of English at the University of Virginia, will lead a panel discussion with University of Maine faculty focused on his article, "'Cosmopolitan Sympathies': Poetry of the First Global War." The panelists will discuss the article in relation to their own work in modern and contemporary poetry and the history of ideas from 2–3:30 p.m. Feb. 22 in the Bangor Room, Memorial Union. Panelists will include Zachary Ludington, assistant professor of Spanish; Carla Billitteri, associate professor of English; Frédéric Rondeau, assistant professor of French; and Michael Lang, associate professor of history. Ramazani is a distinguished scholar of modern and contemporary poetry in English, especially with regard to questions of postcolonialism and globalization. He has lectured widely and received many important awards and honors, including fellowships from the Guggenheim Foundation and the National Endowment for the Humanities. This event is free and open to the public, and is part of the 2018–2019 McGillicuddy Humanities Center symposium, "War Without End: The Legacies of World War I." For more information, contact Ludington, 581.2079; [zachary.r.ludington@maine.edu](mailto:zachary.r.ludington@maine.edu).

## Lancaster Farming covers UMaine Extension Flowering in the North Conference

19 Feb 2019

[Lancaster Farming](#) covered the second annual University of Maine Cooperative Extension Flowering in the North Conference Jan. 29–30 in Portland. The conference focused on learning how to operate a successful fresh-cut flower farm. "This is a rapidly growing area with several experienced and beginning farmers increasing their cut flower production," said Jason Lilley, a sustainable agriculture professional with UMaine Extension. In total, 200 people attended the conference and 50 attended a preconference workshop; both events were sold out and drew attendees from as far as Texas and Prince Edward Island. Forty-five experts presented on topics including soil testing, irrigation, integrated pest management techniques and business management, according to the article.

## BDN quotes Stancioff in article on citizen science, homesteads

19 Feb 2019

The [Bangor Daily News](#) quoted Esperanza Stancioff, an Extension professor and climate change educator with University of Maine Cooperative Extension, in an article about citizen science on homesteads. Homesteaders are constantly conducting experiments and making observations, creating opportunities to turn that information into usable data for citizen science research projects, the article states. Stancioff leads a program, called Signs of the Season: A New England Phenology Project, in which volunteer scientists are trained to observe and record seasonal changes in common plants and animals in their backyards to inform regional climate research, according to the BDN. "The more that we know about how things are changing and how that affects plants and animals, the more that we understand how those things are changing, the better we can prepare for it and the better we can make decisions," Stancioff said.

## WABI, WVII interview students at UMaine Woodsmen Team meet

19 Feb 2019

[WABI](#) (Channel 5) and [WVH](#) (Channel 7) covered the University of Maine Woodsmen Team's annual home meet on Feb. 16 at the J. Franklin Witter Teaching and Research Center in Old Town. Nineteen teams from eight New England schools competed in a variety of timber sports at the event, one of eight competitions the UMaine team participates in throughout the academic year. "Basically you're trying to use your legs more than your arms," said Jason Henson, president of the team. "You're going to get tired out if you end up using your arms too much. It's really about form. Everyone thinks you need to be a big, tough guy, but you don't." The team, with members of all majors, trains five days a week starting in September, and sells firewood to raise money, WABI reported. "It's a really fun sport and I wish a lot more people would get into it. We're a little slim in numbers, so it'd be nice to see more people out here," said Kyle Whitmore, vice president of the team. "A lot of people look at it and think it's just hard work, but I think it's more fun than that."

#### **Morning Ag Clips reports applications open for UMaine Extension Kids Can Grow**

19 Feb 2019

[Morning Ag Clips](#) reported applications are now available for the University of Maine Cooperative Extension's Kids Can Grow gardening program in York County. Children ages 7–12 will learn how to grow vegetables, flowers and herbs, and how to build and maintain a raised-bed garden at home, as well as learn about community service by donating produce from the gardens to local food pantries and shelters, Morning Ag Clips reported. Sessions will be held monthly on Saturdays, April 13–Sept. 21, at Crossroads United Methodist Church in Sanford. Registration is \$25 per child; enrollment is limited to 24. The application deadline is March 11. For more information or to request a reasonable accommodation, contact UMaine Extension York County, 324.2814; [susan.tkacik@maine.edu](mailto:susan.tkacik@maine.edu).

#### **WABI, WVH cover 15th annual International Dance Festival**

19 Feb 2019

[WABI](#) (Channel 5) and [WVH](#) (Channel 7) covered the 15th annual International Dance Festival at the University of Maine Collins Center for the Arts on Feb. 16. More than a dozen countries were represented through 18 acts featuring traditional music, dance and clothes from around the world to showcase UMaine's diverse student body. "It's not often you can see a show like this — free admission, and it's just really a great opportunity. We've become a pretty divided society in lots of ways, but coming together here on the stage from all over the world is just amazing," said Sarah Joughin, senior assistant director of the Office of International Programs. "We have over 400 international students at the University of Maine, another 30 or 40 scholars, faculty from all over the world representing over 70 countries, and so it's just a great night for our students and community members to really showcase their talent and their culture." Proceeds from the show support international education at UMaine, WABI reported. [Z107.3](#) also previewed the event.

#### **WGME quotes Humphrey, cites UMaine data in report on engineering recruitment**

19 Feb 2019

[WGME](#) (Channel 13 in Portland) quoted Dana Humphrey, professor of civil and environmental engineering and dean of the University of Maine College of Engineering, and cited UMaine data, in a report on engineering recruitment in Maine. According to the UMaine data, 27 percent of engineers in Maine are 55 or older and will leave nearly 2,000 jobs open over the next decade. And not all engineering graduates will help address the issue. "Twenty-five percent of engineering graduates take nonengineering jobs," Humphrey said. "And 40 percent of Maine graduates take their first engineering job out of state." Efforts are in progress to recruit and retain engineers from educational programs across the country to fill Maine engineering jobs, WGME reported.

#### **Fogler Library expanding partnership, project through Maine Shared Collections Cooperative**

20 Feb 2019

The Maine Shared Collections Cooperative, founded by eight of Maine's largest libraries including Raymond H. Fogler Library at the University of Maine, is expanding its partnership with Online Computer Library Center's (OCLC) Sustainable Collection Services. The groups will expand a project to analyze library collections throughout Maine and ensure that important print works are identified, retained and shared among state libraries. "This shared-print retention project is important because all libraries are doing independent withdrawal and weeding projects, and we want to make sure that we don't lose valuable content in the midst of that work," says Matthew Revitt, Special Collections and Maine Shared Collections librarian at UMaine. "We protect titles for the patrons and users of libraries in Maine primarily, but obviously that means that patrons outside of the state will benefit as well." Fogler Library has made a vital contribution to the progress of the Maine Shared Collections Cooperative, both as one of its eight founding partners, and also as the administrative host for the Institute of Museum and Library Services (IMLS) grant that helped fund the program's first four years. In 2014, Fogler Library created a position to oversee the program's day-to-day activities, recruit and work with new members, and plan for the 2019 group collection analysis project. UMaine also continues to act as the administrative host for the group analysis, signing the contract with OCLC on behalf of the participating libraries.

#### **BDN, Broadway World report MAIER sponsors sensory-friendly play performance**

20 Feb 2019

The [Bangor Daily News](#) and [Broadway World](#) reported the Maine Autism Institute for Education and Research (MAIER) based at the University of Maine, is sponsoring a sensory-friendly performance of Some Theatre Company's production of "The Curious Incident of the Dog in the Night-Time" at 7:30 p.m. Feb. 21 at the Keith Anderson Community House in Orono. The Tony Award-winning play tells the story of Christopher Boone, a boy on the autism spectrum, who uses his unique gifts to solve the mystery of the death of his neighbor's dog. The Thursday performance, which will use softer lights and sounds, is free. The production also will have performances Feb. 22–24. Tickets are available [online](#); for more information, email [donna.doherty@maine.edu](mailto:donna.doherty@maine.edu).

#### **Morning Ag Clips announces UMaine Extension hayfield, pasture health workshops**

20 Feb 2019

[Morning Ag Clips](#) announced a series of University of Maine Cooperative Extension workshops on hayfield and pasture health in nine locations around the state. The workshops will be led by UMaine Extension employees Rick Kersbergen, Extension professor of sustainable dairy and forage systems, and Gary Anderson, animal and bioscience specialist. Topics will include improving pasture and hayfield yield and quality, production basics for hay and baleage, and understanding forage quality, according to Morning Ag Clips. The cost is \$10 per farm, and registration is online.

#### **VillageSoup advances tidal energy talk by Ross**

20 Feb 2019

[VillageSoup](#) reported Lauren Ross, an assistant professor of civil and environmental engineering at the University of Maine, will give a talk about a recent study of tidal energy in Maine at noon Feb. 26 at the Merryspring Nature Center in Camden. The talk will explore how tidal turbines can optimize energy extraction and how coastal environmental conditions are affected by long-term implementations of tidal turbines. Attendees will learn how the research considers issues that can be applied to tidal estuaries in Maine and worldwide, the article states. Admission is \$5, or free for members of the center. For more information, call 236.2239 or email [info@merryspring.org](mailto:info@merryspring.org).

#### **McCoy recent guest on BBC's 'The Why Factor'**

20 Feb 2019

Shannon McCoy, an associate professor of psychology at the University of Maine, was a recent guest on [BBC](#)'s "The Why Factor." The episode's topic was meritocracy, or the concept of a person getting ahead based on their talents and hard work, and why people believe in it.

#### **UMaine Today magazine wins three 2019 CASE District I honors**

**20 Feb 2019**

The [UMaine Today magazine](#), the biannual print and online publication of the University of Maine Division of Marketing and Communications, received three 2019 Excellence Awards from the Council for Advancement and Support of Education (CASE) District I, which represents the New England states, Quebec and the Atlantic provinces in Canada. It received a Gold Award for Excellence in Web-based Magazine, the category's highest honor. The UMaine Today magazine website was created to complement the print edition. The online publication, featuring full-length stories and multimedia storytelling, involves UMaine Today magazine writers, editors, designers and photographers/videographers. The online production of UMaine Today magazine is led by digital/print content coordinator Amanda Lozier with support from the Marketing and Communications digital communications team — Mike Kirby, Chris Clark and Brandi McCann. The article "[Cultivating Skills](#)," written by Elyse Catalina with photographs by Adam Kuykendall in the spring/summer 2018 edition, received a Bronze Award for Excellence in Storytelling. The feature tells the story of University of Maine Cooperative Extension's partnership with the Maine State Prison to provide horticulture skill training to inmates. The workforce development initiative has reinvigorated the prison's agriculture program, provides food for the facility and local food pantries, and helps reduce costs for the prison and the state. A video on the story, "[Tending the Garden](#)," co-produced by Kuykendall and Catalina, also received a third-place award for Excellence in Video: Other. This is the third consecutive year of CASE District I awards for Kuykendall, who received a 2018 Silver Award for Excellence in Storytelling for his video "[Market Value](#)," and a 2017 Silver Award for Excellence in Photography. A full list of CASE District I Excellence Award winners is online.

#### **CCA offering free children's tickets for 'Peg + Cat Live!' March 8**

**20 Feb 2019**

The Collins Center for the Arts is offering free children's tickets for the upcoming show "Peg + Cat Live!" at 7 p.m. March 8. The interactive live show is based on the Emmy Award-winning PBS Kids series "Peg + Cat." "We wanted to do something special for the community and thought it would be great to offer free kids tickets to a live, educationally oriented show intended for young children. Any time we can bring together families, arts and education, it's a winning combination," says Daniel Williams, executive director of the CCA. The musical features wild comedy and countless favorite songs from the show. On their adventure to solve a problem, Peg and Cat will need math — bar graphs, size comparison, position words, fair sharing and a lot of counting. They also will need to count on each other, and the audience. The traveling musical production is visiting 27 U.S. cities on the tour. Centering around an original story written by the series' co-creators, the stage show encourages children to help the main characters of the animated cartoon solve big problems by using their early math skills. The theatrical production features large puppets, light-up math facts and songs. The show was produced by Fred Rogers Productions, Brad Simon Organization and the Bay Area Children's Theater. Adult tickets are \$30, including all fees. Free tickets will be available for all children who attend the show with at least one paying adult. Tickets are available [online](#) or at the box office, which is open 9 a.m.–4:30 p.m. Monday through Friday.

#### **Fogler Library receives American Kennel Club collection to aid genetic research**

**20 Feb 2019**

The American Kennel Club donated a collection of books containing international pedigree lines dating back to approximately 1860 to the Fogler Library at the University of Maine to support genetic research. The gift was inspired by Laurie Connell, a research professor in UMaine's School of Marine Sciences, who discovered the uncataloged volumes in the American Kennel Club Library. Connell uses Český Fousek, a wirehaired hunting dog that originates from the Czech Republic, as a model organism for understanding seasonal alopecia, a genetic disease that causes fur loss in many species. The full article was published in the Fogler Library [magazine](#) and on its [website](#). Contact: Brad Beauregard, 581.1696

#### **Gym Drive closed beginning Feb. 21 for water main repairs**

**21 Feb 2019**

Beginning Feb. 21, the south entrance of Memorial Gym and Gym Drive will be closed to pedestrian and vehicle traffic for emergency repairs to a water main break in the vicinity. For questions, call 581.4400.

#### **Fried receives 2018–19 Career Recognition Award**

**21 Feb 2019**

Amy Fried, a political science professor at the University of Maine, is the recipient of the 2018–19 Career Recognition Award from the University of Maine Rising Tide Center. Fried is being honored for her scholarly studies, public service and efforts to engage communities around the issues of democracy. She chairs the UMaine Department of Political Science, and her newest book, "Weaponizing Political Distrust," co-written with Douglas B. Harris, will be published in 2020 by Columbia University Press. The Career Recognition Award highlights the significant accomplishments of women faculty at UMaine through their teaching, research, community service and campus leadership. With this award, the Rising Tide Center seeks to raise the profile of women faculty to advance gender equity in academia, and to inspire faculty colleagues at every faculty rank. "Public recognition of outstanding women faculty members is an important way in which the Rising Tide Center works to create an environment at UMaine in which impediments long faced by women faculty members are eliminated, and within which they can thrive," according to Jeffrey Hecker, UMaine's executive vice president for academic affairs and provost. "Amy Fried is an inspired choice for this year's Career Recognition Award," Hecker says. "She is a first-rate scholar and an outstanding contributor to every aspect of the university's mission." Contact: Joan Perkins, 582.3494

#### **Summer field school in digital ethnography accepting applications**

**21 Feb 2019**

The University of Maine Department of Anthropology is accepting applications for its new summer field school in digital ethnography. The course, "Digital Ethnography Field School: Exploring and Documenting Maine's Cultures of Reuse," is designed to give students firsthand experience with the process of designing and conducting qualitative field research. Students will have the opportunity to travel throughout Maine, collecting interviews, photos and other research materials. Cindy Isenhour, assistant professor of anthropology and climate change, and Kreg Ettenger, director of Maine Studies and the Maine Folklife Center, will lead the field school. Undergraduate and graduate students from all departments are encouraged to apply by March 1. More information, including an application, can be found [online](#) or by emailing [cynthia.isenhour@maine.edu](mailto:cynthia.isenhour@maine.edu).

#### **School of Learning and Teaching to hold grad student research forums**

**21 Feb 2019**

The School of Learning and Teaching in the University of Maine's College of Education and Human Development will host a series of graduate student research forums to help students meet each other, discuss their research interests, and learn more about faculty scholarship. The School of Learning and Teaching offers several programs for graduate study, from graduate certificates through doctoral degree programs, in areas such as Curriculum, Assessment and Instruction; Master of Arts in Teaching; Instructional Technology; Literacy Education; Prevention and Intervention Studies; Special Education; and STEM Education. All forums will be held in 204 Shibbes Hall from 4–5 p.m. Feb. 25, March 13 and April 16. Refreshments will be served, and prospective students are welcome to attend. RSVP with the date you wish to attend to Gail Agrell, 581.2492; [gail.agrell@maine.edu](mailto:gail.agrell@maine.edu).

#### **Students sought for study on dietary knowledge, cooking skills**

**21 Feb 2019**

Scientists in the University of Maine's School of Food and Agriculture are recruiting students to take part in a study about their ability to acquire and prepare nutritious food. Students who prepare their own food are encouraged to complete the one-hour survey to help researchers understand their cooking skills. Participants will be paid \$10 for completing the survey. Respondents must be at least 18 years old and sophomore- or junior-level students who are not majoring in food science and human nutrition. They also must not live in the dorms or with their parents. All information provided will be kept confidential. Those interested in participating can reserve their appointment [online](#). For more information, email [angela.czup@maine.edu](mailto:angela.czup@maine.edu).

#### **Sierra magazine cites research by Ph.D. student in article about forests, climate change**

**21 Feb 2019**

[Sierra](#) magazine spoke with Kathryn Miller, an external graduate faculty member in the School of Forest Resources, about research she conducted as a Ph.D. student at the University of Maine for the story "Can We Help Our Forests Prepare for Climate Change?"



Miller, who now is a National Park Service plant ecologist, leads a research program tracking long-term health of forests in Acadia National Park and other parks on the East Coast. At UMaine, Miller investigated whether eastern trees could adapt to climate change on their own without human influence, according to the article. She ran a simulation for 15 tree species to see if they would be able to migrate from the Southeast to the Northeast in time to accommodate the rapidly changing climate and fill ecological niches that would be left empty as some species that would no longer be able to cope with the effects of climate change become extinct. In Miller's model, most of the species couldn't make it past southern New York due to urbanization and other barriers to migration. This realization prompted Miller to reconsider the practice of assisted migration for some species as a way to help forests adapt to the changing climate, the article states.

#### **The Conversation, AP publish Socolow's op-ed on media, government**

**21 Feb 2019**

[The Conversation](#) published an opinion piece by Michael Socolow, an associate professor of communication and journalism at the University of Maine. The piece is titled "The revolving door between media and government spins again with CNN's hiring of Sarah Isgur Flores." The Associated Press published The Conversation piece, and [WTOP](#), Connecticut Post, Times Union, Beaumont Enterprise, Stamford Advocate and Danbury News-Times carried it.

#### **BDN speaks with Mallory about Maine Grain Conference**

**21 Feb 2019**

The [Bangor Daily News](#) interviewed Ellen Mallory, an associate Extension professor with University of Maine Cooperative Extension and associate professor in the UMaine School of Food and Agriculture, for an article about industrial hemp in Maine and the Maine Grain Conference. Mallory noted a presentation on industrial hemp as part of the annual Maine Grain Conference may be helpful to growers looking to diversify into the crop, which is used to make paper, textiles, biodegradable plastics, health food and fuel. "There are a lot of questions around growing hemp in Maine. There have been a lot of new developments in terms of what is allowed and what is legal," Mallory said. "We hope the presentation will help clear up some of these questions and concerns [and] give a realistic look at what is involved with the crop." This year's conference, sponsored by UMaine Extension, will be held 8:30 a.m.–5:30 p.m. March 1 at the University of Maine at Presque Isle. Topics will include planting, growing and marketing grains, storage, finances, diseases and grain variety trials, the BDN reported. "Maine is absolutely a great state to grow grain. Maine grows 50,000 acres of grain annually," said Mallory, who added most of that grain is oats and barley grown in rotation with potatoes in northern Maine. "This conference is for all growers of grain in Maine. We will be addressing topics of interest to conventional and organic producers," she said. Registration is required [online](#) by Feb. 21.

#### **AP interviews Drummond for article on garden vegetables, pollinators**

**21 Feb 2019**

The Associated Press interviewed Frank Drummond, a professor of insect ecology and insect pest management at the University of Maine, for the article "Some favorite garden vegetables attract pollinators, too." Planting flowers is a popular way to attract pollinators such as bees and butterflies. But flowering vegetables and fruit, ornamental shrubs, trees and vines also can attract them, according to the article. "Some bee species are active only in the spring or maybe just the summer, while others are active all season long, such as bumblebees and honeybees. This relates to when you need to have plants flowering in your garden," Drummond said. Some bee species evolved to specialize in pollinating certain plants very efficiently, while others are generalists that are less efficient but can pollinate all flower species. Diversity is important in deciding which plants to include to attract pollinators, according to the article. For example, almonds attract honeybees, bumblebees and mason bees, while tomatoes attract bumblebees, sweat bees and carpenter bees. Other pollinators include hummingbirds, tropical bats, moths, flies, ants, hornets and beetles, many of which are adventerent pollinators. "These are animals that visit flowers sometimes to feed on their resources such as oils, nectar, pollen or petals and in doing so sometimes pollinate the flower," Drummond said. [The Washington Post](#), Arizona Daily Star, Madison.com, [Altoona Mirror](#), [The Daily Courier](#), [Gillette News Record](#), [Times Herald-Record](#), [The Lewiston Tribune](#) and The Daily News carried the AP article.

#### **Dr. Martin Luther King Jr. Breakfast Celebration rescheduled for March 2**

**21 Feb 2019**

The 2019 Dr. Martin Luther King Jr. Breakfast Celebration, co-sponsored by the Greater Bangor Area Branch NAACP and the University of Maine Division of Student Life, will be held March 2 at Wells Conference Center on campus. The event was originally scheduled for Jan. 21, but was postponed due to inclement weather. The family-friendly event will celebrate King's life and legacy, inspiration, dedication to diversity and social commitment. The breakfast celebration will feature food and music, and recognition of the recipient of the [Dorothy Clarke Wilson Peace Writing Prize](#). Amy Sneider, executive director of the Maine Human Rights Commission, will deliver the keynote address. Doors open at 8 a.m., with the program running 8:30–10:30 a.m. Tickets are \$20; \$15 for children ages 12 and younger; free for UMaine students with a valid MaineCard. Registration is available [online](#); tickets also will be available at the door until they are sold out. For more information or to request a reasonable accommodation, contact Robert Jackson at robert.jackson@maine.edu or 581.1437. More about the event is [online](#).

#### **Traffic being diverted to Gym Drive Feb. 22**

**22 Feb 2019**

On Feb. 22, traffic on Long Road between Memorial Gym and Corbett Hall will be diverted to Gym Drive as Facilities Management crews continue emergency repairs to a water main break in the vicinity. Because of the construction, pedestrian traffic is prohibited near the Fighting Black Bear statue. For questions, call 581.4400.

#### **UMaine to host Fresh Check Day on Feb. 26**

**22 Feb 2019**

The University of Maine will host Fresh Check Day, an expo-style mental health promotion and suicide prevention event, from 11 a.m.–2 p.m. Feb. 26 in the North Pod of Memorial Union. A concept created by the Jordan Porco Foundation, the free event is designed to bring the campus community together to "check in" on the mental health and wellness of college students. The event will feature booths with interactive exhibits and activities including a ball pit and scarf making, among many other hands-on experiences. There also will be food, prizes and giveaways. The booths feature peer-to-peer messaging in a positive, community-focused setting to deliver mental health and resource information in a fun and engaging way. Fresh Check Day is a collaboration between Campus Activities and Student Engagement, the Counseling Center and other departments on campus, as well as student volunteers and representatives of the Jordan Porco Foundation. More information is [online](#).

#### **Irish ensemble, Motown show among March events at CCA**

**22 Feb 2019**

March events at the University of Maine Collins Center for the Arts will include "Peg + Cat Live!", Irish and Motown music groups and more, all part of the 2018–19 season. "Peg + Cat Live!" will be at 7 p.m. March 8. Based on the Emmy Award-winning PBS Kids show "Peg + Cat," this musical features wild comedy and countless favorite songs from the show. On their adventure to solve a problem, Peg and Cat will need math — bar graphs, size comparison, position words, fair sharing and a lot of counting. They also will need to count on each other, and the audience, too. Free tickets will be available for all children who attend the show with at least one paying adult. Hailing from counties Waterford, Dublin, Donegal and Cork, Danú will give a high-energy performance mixing ancient Irish music and new repertoire at 4 p.m. March 10. Danú is one of the leading traditional Irish ensembles of today. For more than two decades, the group's virtuosi players on flute, tin whistle, fiddle, button accordion, bouzouki and vocals — in Irish and English — have performed around the globe and recorded seven critically acclaimed albums. Danú takes its audiences on a musical journey to the members' native Ireland, offering a moving and memorable concert experience. The Four Tops and The Temptations will perform at 7 p.m. March 14. The Rock and Roll Hall of Famers bring the 1960s Motown sound they helped define and shape to Maine for a soulful, dynamic show. Russian National Ballet will perform "The Sleeping Beauty" at 7 p.m. March 20. "The Sleeping Beauty" was first performed at the Mariinsky Theatre in St. Petersburg in 1890, and the score by Pyotr Tchaikovsky was completed in 1889. Based on Charles Perrault's "La belle au bois dormant," the work has become one of the classical repertoire's most famous ballets. Dreamers' Circus, a Nordic band consisting of Rune Tonsgaard Sørensen, Ale Carr and Nikolaj Busk, will perform at 3 p.m. March 31 in Minsky Recital Hall. The trio met by chance in 2009 during a folk festival in Copenhagen, and ended up playing folk tunes together all night long. "We are on an exciting journey and we are looking forward to meeting all of you in your neighborhood, wherever it might be," say the ensemble's members. To view the full season schedule, request a reasonable accommodation or purchase tickets, visit the CCA [website](#).

#### **Jones recent guest on WVOM's 'George Hale and Ric Tyler Show'**

**22 Feb 2019**

Nory Jones, a professor of management information systems in the Maine Business School at the University of Maine, was a recent guest on [WVOM's](#) "George Hale and Ric Tyler Show." The show's topic was the book Jones co-wrote with John Mahon, a professor of management in the Maine Business School, titled "Knowledge Transfer and Innovation." Jones discussed what they learned from interviewing combat veterans from World War II, as well as the Korean, Vietnam, Iraq and Afghanistan wars, and the "incredible contribution that knowledge can make to our businesses and to our country."

#### **WAGM interviews Johnson about Australian potato farming**

**22 Feb 2019**

[WAGM](#) (Channel 8 in Presque Isle) interviewed Steve Johnson, a professor and crops specialist with University of Maine Cooperative Extension, for a segment of the County Ag Report about potato farming in Australia. Johnson has been in Australia working with and educating local farmers, and testing for potato viruses as part of the seed certification process. "I think it's been very successful. The potato growers in Australia I've dealt with are receptive, eager to learn, and want to be engaged about learning more about potato production," Johnson said. This month, Johnson will wrap up his work and bring success stories for testing potatoes back to Maine, WAGM reported.

#### **BDN quotes Anderson in article about turkeys**

**22 Feb 2019**

The [Bangor Daily News](#) quoted Gary Anderson, an animal and bioscience specialist with University of Maine Cooperative Extension, in the article "What to consider before adding turkeys to your homestead." Anderson gave tips like housing turkeys separately from chickens, which can act as an intermediate host for blackhead disease to which turkeys are susceptible. He also recommends purchasing baby turkeys, or poults, from a National Poultry Improvement Program hatchery, which test birds for diseases and have closed flocks. "Once poults arrive, they need to be in [a] brooder for the first month while feathers are growing and birds can regulate their own body temperature," Anderson said. The temperature should start at about 95 degrees Fahrenheit and be reduced by about 5 degrees each week, according to the article.

#### **Wertheim speaks on WGAN's 'Positively Maine'**

**22 Feb 2019**

Frank Wertheim, an Extension educator in agriculture and horticulture with University of Maine Cooperative Extension, spoke recently on [WGAN's](#) "Positively Maine" radio show. The show's topic was fighting food insecurity in Maine through initiatives such as the Universities Fighting World Hunger Summit and the Maine Hunger Dialogue.

#### **Maine-Syracuse Longitudinal Study investigator accepts postdoctoral fellowship at Mayo Clinic**

**22 Feb 2019**

Olivia Bogucki, a fifth-year University of Maine clinical psychology doctoral candidate, has accepted a two-year postdoctoral fellowship in Clinical Health Psychology at the Mayo Clinic in Rochester, Minnesota, with a major emphasis in integrated behavioral health. At the Mayo Clinic, she plans to conduct clinical research on the bidirectional relationship between depression and cardiovascular disease, as well as primary, secondary and tertiary prevention for these conditions in primary and specialty care settings, such as cardiac rehabilitation. Currently, Bogucki is completing a doctoral dissertation at UMaine and a predoctoral clinical psychology internship at the VA San Diego Healthcare System. Working in the Maine Mood Lab (MMDL) under the direction of UMaine professor Emily Haigh, Bogucki's master's and doctoral research has focused on the cognitive, affective and physiological processes that contribute to the etiology and maintenance of major depressive disorder. Her dissertation will clarify the nature of cognitive and mood reactivity and characterize the nature of cardiovascular reactivity to sadness in remitted depression. Her MMDL publications are [online](#). Bogucki also has been an active student investigator for the Maine-Syracuse Longitudinal Study (MSLS), working closely with Haigh and MSLS principal investigator Merrill Elias, among others. She has co-written MSLS articles and book chapters examining the relationship between dairy food intake and cardiometabolic health, depressive symptoms and cardiovascular disease, and obesity and cognitive functioning. In addition, she has presented MSLS oral and poster presentations at local and national conferences. Her MSLS publications also are [online](#).

#### **Blackstone to participate in Women Who Empower Our World event**

**22 Feb 2019**

Amy [Blackstone](#) will be part of the [Women Who Empower Our World](#) event March 1 at Northeastern University in Boston. The University of Maine sociology professor will be a member of a panel that will discuss "How Policy Impacts Women's Careers and What Still Needs to Change." For two decades, Blackstone has examined multiple facets of workplace sexual harassment, including repercussions that range from depression to derailed careers. At the daylong symposium, attendees will examine the state of women's advancement in leadership, entrepreneurship and policy. They will share research that gauges women's career equality and growth in these domains and explore avenues for future research, practical implications and policy.

#### **UMaine Extension's free wild blueberry conference slated for Feb. 28**

**25 Feb 2019**

University of Maine Cooperative Extension will host a free wild blueberry conference 8:30 a.m.–3:30 p.m. Feb. 28 at the Black Bear Inn, 4 Godfrey Drive, Orono. The snow date is March 4. Topics will include management updates on diseases, pollinators and weeds; ideas about precision agriculture, post-harvest quality, and blueberry fertility; and insight into food safety requirements. Registration is required. Pesticide credits will be available. For more information or to request a reasonable accommodation, contact Mary Michaud, 581.3175; [mary.j.michaud@maine.edu](mailto:mary.j.michaud@maine.edu). More information also is available online or by contacting UMaine Extension blueberry specialist Lily Calderwood, 581.3193, [lily.calderwood@maine.edu](mailto:lily.calderwood@maine.edu).

#### **VillageSoup, Penobscot Bay Pilot report UMaine to offer STEM research course to high school students**

**25 Feb 2019**

[VillageSoup](#) and the [Penobscot Bay Pilot](#) reported the University of Maine will offer a three-week STEM research course for high school students at the UMaine Hutchinson Center from June 24–July 12. Introduction to Integrated Science and Career Exploration (INT 88) is a tuition-free, early college lab course designed to introduce high school students to higher education and STEM careers, the article states. Part of the UMaine Aspirations program, the course will be taught by UMaine adjunct faculty members Susan Therio and Dave Thomas, and will meet 8:15 a.m.–noon Mondays, Tuesdays and Wednesdays. Students also will participate in eight hours of job shadowing and career planning, and will earn three college credits upon course completion, according to the article. To register, contact Allison Small, 338.8004; [allison.small@maine.edu](mailto:allison.small@maine.edu). For more information, contact Molly Schauffler, 338.8038; [mschauff@maine.edu](mailto:mschauff@maine.edu).

#### **Fiddlehead Focus speaks with grad student for food insecurity article**

**25 Feb 2019**

[Fiddlehead Focus](#) spoke with Crystal Hughes, a social work graduate student at the University of Maine, for an article about food insecurity in Aroostook County. Aroostook County's rate of food insecurity is 17.1 percent, among the highest in the state, according to a 2017 study. There are 24 food pantries in the county, but homebound senior citizens might not have a way to access them. Hughes, who has been a social worker in St. John Valley for 15 years, worked with senior citizens through an internship last fall as part of her graduate work. "Much of our older population is homebound, have physical challenges or lack the transportation to get to the food pantries. Often, seniors who are on fixed incomes have to choose paying for their medication over having extra food," Hughes said. She suggests people help their neighbors who might be food insecure by offering a ride to the nearest food pantry or delivering a bag of food. "People in the smaller communities tend to have less access to food pantries or deliveries, but in those areas there are a lot of people who look out for each other. Many food pantries are also willing to deliver food. I'm not sure if those stories happen as much in larger areas of the state," Hughes said.

#### **BDN interviews Connell about Fogler collection that could save at-risk dog breeds**

**25 Feb 2019**

The [Bangor Daily News](#) interviewed Laurie Connell, a research professor in the University of Maine School of Marine Sciences, for a report on a UMaine collection that has the potential to save at-risk dog breeds. UMaine recently acquired the largest collection of dog pedigrees in the world, which breeders and researchers can use to improve genetic diversity of breeds with abnormalities resulting from generations of inbreeding, the article states. “The lower the genetic diversity, the higher the likelihood that there will be enough recessive genes present for a particular trait to show up,” Connell said. Connell, who has two Ceský Fouseks — a Czech hunting dog breed that suffers from seasonal alopecia — has researched the breed for years. She discovered a large collection of uncataloged books on a research trip to the American Kennel Club library, and worked with colleagues at UMaine’s Fogler Library to move the collection, which is now cataloged and publicly available. “It’s a unique group of stud books. It’s a huge collection. If your dog has dangerously low genetic diversity, you can go way back through one of these books, see a pedigree from Europe or elsewhere in the world, and see if you can breed with a dog from that pedigree. That starts to bring that diversity back in,” Connell said. And the collection provides a different angle on history, too. “Reading these books from back in the 1880s, you get to see this world through a perspective that is really unique — through the eyes of hunters and their dogs,” Connell said. “Dogs are part of human history.” [WGME](#) (Channel 13 in Portland) carried the BDN article.

#### **Abby Irvine: Social work major passionate about helping others**

**25 Feb 2019**

People undergoing treatment for narcotic abuse at Northern Light Acadia Hospital received blankets and self-care items from staff on Christmas Day. Each present came with a handwritten card from Abby Irvine that contained one of 83 positive affirmations: “I am worthy of love and respect.” “I am proud of what I accomplish every day.” “Small steps forward are still steps.” “My past does not define me.” And, this one that Irvine’s mom taught her: “I don’t know what’s going to happen, but I know it’s going to be great.” Some patients cried. Others said the messages were exactly what they needed. “It was so rewarding to know that I positively impacted so many people,” says Irvine, a social work major and anthropology minor at the University of Maine and an intern with the hospital’s Narcotic Treatment Program. “Negative self-talk can be a huge issue, especially for patients in recovery, so knowing that I may have made a difference is a big accomplishment for me.” In addition to shadowing clinicians at the Bangor facility, Irvine assists with patient intake, helps run outpatient groups and takes on projects. The resident of Seal Cove, Maine chose to pursue an education in social work because of her desire to help people. “I grew up in a low-income rural area in Maine,” says Irvine, who is on track to graduate in spring 2019. “The situations I found myself in gave me a passion to help others facing what I faced, and to work toward making changes in larger systems so that less people will be forced to go through the same struggles.” The 2015 Mount Desert Island High School graduate describes herself as quiet. She used to think she couldn’t be a leader. “However, my time at UMaine has taught me that I do have the skills necessary to be a good leader,” she says. “My experience has helped me gain the confidence to voice my ideas and opinions, and even take on leadership roles at my job.” The Rose Garden near the Collins Center for the Arts is Irvine’s favorite place on campus. “When I was new to campus in 2015, this was the first garden I found. And even though it is small, it was the closest I could get to the peaceful forests I was used to in Acadia National Park,” she says. “When I was homesick, I would have small picnics here between classes.” Irvine, who enjoys drawing, exploring nature, baking and caring for her cats Kiki and Simone and her dog JJ, now considers UMaine a home away from home. Her friends in the School of Social Work are sources of strength and comfort. “When my father passed away suddenly in October 2018, it was very difficult to focus on school and my internship,” she says. “If I didn’t have the community of my class in the School of Social Work, and the professors willing to work with me through the most difficult time in my life, there is no way I could have completed that semester and gone on to accomplish this project. I am so thankful for everyone who supports me.” Irvine plans to earn a master’s in social work at UMaine. “I am very interested in the mental health field of social work, and I believe that continuing to work at Acadia will offer great experience for the paths I decide to follow once I have a master’s degree.”

#### **King Chair lecturer Adam Barr to moderate public discussion, host TV writing workshop**

**26 Feb 2019**

Lewiston native Adam Barr, a Los Angeles-based, Emmy Award-winning television writer and executive producer of “Will & Grace,” will moderate a public discussion on how television can adapt to changing attitudes and social concerns from 5:30–7 p.m. Feb. 28 at the Orono High School library. Made possible through the University of Maine/Orono High School Humanities Collaboration, the discussion is free and open to the public, and is co-sponsored by the McGillicuddy Humanities Center and the Stephen E. King Chair in Literature. Barr, who will give the [King Chair Lecture](#) at UMaine on March 1, also will lead a TV writing workshop 1–4 p.m. March 2 at UMaine’s Foster Center for Student Innovation. The free workshop will teach participants the essentials of creating an original TV episode, including how to generate stories, create characters, wrestle with dramatic structure and pitch jokes. Any UMaine community members interested in media, performance, writing or entertainment are encouraged to attend. Space is limited, and registration is required for participants. Those who want to observe may attend without registering, but are asked to maintain respect for the workshop and its participants. To express interest in registering, email Caroline Bicks at [caroline.bicks@maine.edu](mailto:caroline.bicks@maine.edu), and include a few lines explaining your connection to the university and why you want to participate. More information about the events is [online](#).

#### **UMMA to host David Bowie trivia night, WABI reports**

**26 Feb 2019**

[WABI](#) (Channel 5) reported the University of Maine Museum of Art in Bangor will host a David Bowie-themed trivia night at 5:30 p.m. Feb. 26 in advance of the Bangor Symphony Orchestra’s show “Space Oddity: The Ultimate David Bowie Experience” at the Collins Center for the Arts on March 9. The BSO is partnering with BrainyArt to host the event, which is for people 21 and over with a \$5 suggested donation, according to WABI.

#### **VillageSoup advances student’s March 7 talk at Camden Public Library**

**26 Feb 2019**

[VillageSoup](#) reported Taylor Hamlin, a University of Maine student, will speak as part of the presentation “You Go Girl” at the Camden Public Library 6:30–7:45 p.m. March 7. The event will feature the stories of three Midcoast women — including Hamlin, a Rockland native — focused on a time their “you-go-girl spirit” helped them respond to and achieve a unique challenge and opportunity, the article states. The presentation is free and open to the public. For more information, contact Pam Maus, 617.285.7812; [pamelajmaus@gmail.com](mailto:pamelajmaus@gmail.com).

#### **BDN publishes op-ed by Mayewski on Green New Deal**

**26 Feb 2019**

The [Bangor Daily News](#) published an opinion piece by Paul Mayewski, Distinguished Maine Professor in the School of Earth and Climate Sciences and director of the Climate Change Institute at the University of Maine. The piece is titled, “Green New Deal offers a possible route to conquer climate change.”

#### **UMaine’s School of Performing Arts presents ‘Into the Woods’**

**27 Feb 2019**

The University of Maine’s School of Performing Arts brings Stephen Sondheim and James Lapine’s popular musical “Into the Woods” to Orono for a two-week run beginning March 1 at Hauck Auditorium. Audiences will have seven opportunities to catch the modern classic on the Hauck stage: 7:30 p.m. March 1, 2, 8 and 9; 2 p.m. March 3 and 10; and 10 a.m. March 7. Tickets are \$15 and available [online](#); admission is free for students with a valid MaineCard. With Tony Award-winning music and lyrics by Sondheim and book by Lapine, “Into the Woods” weaves together the plots and characters of several Brothers Grimm and Charles Perrault fairy tales for a timeless and enchanting musical about wishes, family and the choices we make. Amiee Turner, whose original Broadway cast member credits include “The Will Rogers Follies” and “My Favorite Year,” as well as “42nd Street,” Neil Simon’s “The Goodbye Girl,” and “A Funny Thing Happened on the Way to the Forum,” starring Nathan Lane, is director and choreographer of the production, with Cynthia Sambrano as music director. “Into the Woods” is sponsored in part by a grant from the Cultural Affairs/Distinguished Lecture Series Fund. For more information, email Alan Berry, [richard.berry@maine.edu](mailto:richard.berry@maine.edu). To request a reasonable accommodation, call Birdie Sawyer, 581.2584.

#### **Daily Bulldog, Morning Ag Clips preview UMaine Extension produce safety course**

**27 Feb 2019**

The [Daily Bulldog](#) and [Morning Ag Clips](#) previewed a University of Maine Cooperative Extension Produce Safety Alliance grower training course. The course will be offered 9 a.m.–6 p.m. March 29 at the Dover-Foxcroft Congregational Church, with a snow date of April 4; and 9 a.m.–6 p.m. April 5 at the University of Maine at Farmington’s Olsen Memorial Student Center, with a snow date of April 19 at Mt. Blue High School. The course will provide a foundation for farm food safety best practices and coordinated management information, and information on Food Safety Modernization Act requirements and details on developing a farm food safety plan, the article states. Participants should come prepared to share experiences and ask questions. Registration is online, and the \$25 fee includes training manual and lunch. For more information or to request a reasonable accommodation, contact Theresa Tilton, 942.7396, [theresatilton@maine.edu](mailto:theresatilton@maine.edu); or Tiffany Wing, 778.4650, [tiffany.wing@maine.edu](mailto:tiffany.wing@maine.edu).



## Fiddlehead Focus cites Sorg's report in article on law enforcement

27 Feb 2019

[Fiddlehead Focus](#) cited a report by Marcella Sorg, a research professor in the Department of Anthropology and Margaret Chase Smith Policy Center at the University of Maine, in the article, "Overdoses, drug trafficking major focus of County law enforcement." Despite a slight decrease in opioid-related overdose deaths in Maine in 2018, Aroostook County still faces issues of substance abuse and drug trafficking, according to Fiddlehead Focus. From January through September 2018, 282 Mainers died from drug overdoses, five percent less than the same period in 2017, according to the UMaine report. Responding to overdoses has become a regular part of law enforcement — the Presque Isle Police Department has responded to six overdose calls so far this year, including one resulting in death, the article states. [The County](#) carried the Fiddlehead Focus article.

## Morning Ag Clips advances UMaine Extension tree grafting workshop

27 Feb 2019

[Morning Ag Clips](#) advanced a University of Maine Cooperative Extension fruit tree grafting workshop 9 a.m.–noon March 30 at the UMaine Extension office in Lisbon Falls. The workshop, co-sponsored by Fedco Trees, will include discussion and demonstration of techniques followed by hands-on grafting of a pear tree, which participants can take home. The course fee is \$55 and includes all supplies; online registration is required. One Maine Landscape and Nursery Association (MELNA) and three International Society of Arboriculture (ISA) credits will be available, according to Morning Ag Clips. For more information or to request a reasonable accommodation, contact Melissa Freeman, 353.5550; [melissa.freeman@maine.edu](mailto:melissa.freeman@maine.edu).

## WABI covers Fresh Check Day

27 Feb 2019

[WABI](#) (Channel 5) covered Fresh Check Day at the University of Maine, an expo-style event on Feb. 26 aiming to "check in" on the mental health of students and raise awareness about mental health issues and suicide prevention. "We want to make sure that our students know that we are here, that we have someone they can talk to even if it's not someone they are working with or seeing every day, and we want to eliminate the stigma of mental health. I think that's a big challenge that we face on this campus," said Benjamin Evans, Campus Activities and Student Engagement programmer. "It's a community-based suicide prevention program, and we want to really bring our community together. We have a booth called 'It Takes a Village.' It really does take a village to reach those people, to raise awareness," said Amy Moran, a psychologist with the UMaine Counseling Center. "We really want people to know who are struggling out there and having thoughts of suicide that we care about them." In recognition of Mental Health Awareness Week, event organizers reminded people to maintain the conversation about suicide prevention throughout the year, WABI reported. The Counseling Center is open weekdays from 8 a.m.–4:30 p.m.

## Women's History Month begins with intergenerational conversation

27 Feb 2019

"Girl Talk: An Inter-Generational Conversation" will kick off Women's History Month at the University of Maine noon-1:30 p.m. March 1 in the Bangor Room of Memorial Union. The conversation will recognize 2019 as the centennial of the passage of the 19th Amendment that granted some — but of course, and significantly, not all — women the right to vote. Women from Generation Z, Generation Y, Generation X and the baby-boom generation will reflect on what women's suffrage means to them, and discuss women and voting. Judicaelle Irakoze, founder of the Portland, Maine-based organization [Choose Yourself](#) and the Girl Talk platform, will facilitate the conversation. Panelists will include Olivia Baldacci, activist and campaign volunteer; Maulian Dana, Penobscot Indian Nation tribal ambassador; Dana Carver-Bialer, coordinator of leadership development at UMaine; Bev Uhlenhake, mayor of Brewer; Mary Cathcart, former state legislator and founder of Maine NEW (National Education for Women) Leadership; and others. The panel discussion and ensuing reception are free and open to the public. Event sponsors are the UMaine Women's, Gender, and Sexuality Studies program; the UMaine Office of Leadership Development; Maine NEW Leadership; and Choose Yourself. A [Facebook page](#) has been created for more information. March at UMaine is packed with Women's History activities, films, events and talks, all of which are free and open to the public.

- March 1, 8 and 29, a Friday Feminist Craft Series will be held at 3 p.m. in the Women's Resource Center. And all month, a Reproductive Justice Display will be at Fogler Library.
- March 4, a Feminist Collective (FemC) kickoff event will be held from 11 a.m.–3 p.m. in the North Pod of the Memorial Union. From 11:30 a.m.–1 p.m. there will be an Interfaith Luncheon titled "Gender and Religious Attire Panel" at the Wilson Center. Some religious traditions have encouraged or required particular attire for worship or everyday wear. Panelists will share practices from Muslim, Jewish, Christian and Mormon perspectives, and consider ways individuals navigate tradition, gender expressions and roles, religious authority, and their own beliefs when they "wear" their faith in public and private settings. An RSVP is needed.
- March 5, there will be a pancake breakfast and feminist crafting 9–11 a.m. in the Memorial Union lobby.
- March 6, Almut Rochowanski will discuss "A Global Perspective and the Status of Women" noon–1 p.m. in the Multicultural Lounge in Memorial Union. The talk will center on issues surrounding outreach, social justice and activist work. WGS and FemC are sponsors of the Lunch and Learn Series. From 6–8 p.m., the Rev. Dr. Anu Dudley will talk about "Reclaiming Women's Power: Leading While Female" at the Wilson Center. Dudley will examine the history of the goddess and women's disempowerment, and the resultant understanding of what it means to be feminine and masculine in society. This will be enhanced by a discussion about personal experiences and reflections on women's empowerment today. At 8 p.m., Kickin' Flicks will show "Suffragette" in the North Pod of Memorial Union. The movie highlights a young working mother in 1912 London who is galvanized into radical political activism. She supports the right for women to vote, and is willing to meet violence with violence to achieve this end. WGS and Campus Activities and Student Engagement are sponsors.
- March 7, an LGBT Tea Party: Feminism and Queerness will be held 2–3 p.m. in the Rainbow Resource Center (RCC) in Memorial Union. Discussion will center around nuances of modern-day feminism and how it intersects, and is influenced by, queer movements and people. At 4:30 p.m., Diane Tye will talk about "Baking as Autobiography: Lessons from a Contemporary Recipe Collection" in the Estabrooke Hall Ballroom. The lecture is sponsored in part by the McGillicuddy Humanities Center, the Canadian-American Center, the History Department, the Department of Sociology, the Maine Folklife Center and WGS.
- March 8, the "No Man's Land" Film Festival will be held 6:30–8:30 p.m. in Room 100 of the Donald P. Corbett Business Building. In its fourth year, the festival seeks to break down national and international borders and become an international voice for women in adventure, sport and film. Sponsored by Maine Bound Adventure Center, CASE, WGS and the Rising Tide Center.
- March 9, a women's climbing event will be held 10 a.m.–noon at the Maine Bound Adventure Center. As a follow-up to the "No Man's Land" screening, the free climbing event is centered around the mission of undefining "feminine" and what it means to be a woman in adventure, sport and film. Sponsored by Maine Bound Adventure Center, CASE, WGS and the Rising Tide Center. At 8 p.m., Kickin' Flicks will again show "Suffragette" in the North Pod of Memorial Union.
- March 11–15, from 11 a.m. to 2 p.m., learn about the history and significance of the Women's Resource Center at UMaine with a visual timeline, in the Walker Room of Memorial Union.
- March 13, Anne Gass will discuss women's suffrage at 3:30 p.m. in the Bangor Room of Memorial Union. Gass wrote the 2014 book, "Voting Down the Rose: Florence Brooks Whitehouse and Maine's Fight for Woman Suffrage." Hosted by FemC.
- March 14, Mazie Hough, associate professor of history and women's, gender, and sexuality studies, will moderate a Socialist and Marxist Series panel titled "Women and Resistance," 12:30–1:45 p.m. in the Bangor Room of Memorial Union. Panelists are students An Nguyen, Sarah Witthauer and Lucretia Grindle from the History Department. At 5:30 p.m., a Dine-In Discourse titled, "Who's Counting: Marilyn Waring on Sex, Lies, and Global Economics" will be held in the Multicultural Lounge in Memorial Union. A group discussion will follow the free dinner and film screening.
- March 26, a pop-up panel with the theme "Men's Role in Feminism?" will take place noon–1 p.m. in the Bangor Room of Memorial Union. A panel of students and faculty will discuss the topic. Audience participation is encouraged. Sponsored by WGS. From noon–2 p.m., "Looking for the Vote" will be held in the Lown Room of Memorial Union. In honor of the 100th anniversary of women's suffrage in Maine, participants are encouraged to take a deeper look at who was excluded from Maine voting rights.
- March 27, a Tunnel of Oppression will be open from 9 a.m.–4 p.m. in the Memorial Union. During the immersive experience, community members can step into the realities of oppressed and marginalized groups. The program is intended to make participants feel uncomfortable and to challenge views and opinions on a multitude of topics. A team will guide participants through discussions. Counseling will be available. From 5:30–8 p.m., the [Maryann Hartman Awards](#) dinner will be held at Buchanan Alumni House. The award recognizes distinguished Maine women and their accomplishments in the arts, politics, business, education and community service. An RSVP is needed. At 8 p.m., Kickin' Flicks shows "On the Basis of Sex" in the North Pod of Memorial Union. Inspired by a true story, the movie is about Ruth Bader Ginsburg, her struggle for equal rights, and the early cases of a historic career that led to her nomination and confirmation as U.S. Supreme Court Associate Justice. Sponsored by CASE, WGS and FemC.
- March 28, 2–3 p.m. an LGBT Tea Party will be held in the RCC in Memorial Union. There will be a talk about "Femininity & Identity," including how femininity plays out in identity, performance and queer bodies.
- March 30, Kickin' Flicks will again offer "On the Basis of Sex" at 8 p.m. in the North Pod of Memorial Union.

## McGillicuddy Humanities Center to host 2019 Bangor Humanities Day

28 Feb 2019

The Clement and Linda McGillicuddy Humanities Center at the University of Maine will host the annual Bangor Humanities Day at various locations March 2 with a reception March 1. To celebrate the humanities with the Greater Bangor community, free events for participants of all ages will be offered at venues including the University of Maine Museum of Art, Bangor Public Library and Nocturnem Draft Haus. Since 2013, the center has worked with area businesses, museums and public spaces, as well as local collectives and experts, to offer a day of diverse and fun events. The celebration will kick off at 5:30 p.m. March 1 with a reception at the University of Maine Museum of Art. George Kinghorn, UMMA director and curator, will lead a personalized tour of the museum, and food

will be provided. On March 2, Kinghorn will host a conversation with artist Zach Horn at the museum. Starting at 2:30 p.m., Horn will discuss works featured in his current UMMA exhibition, “Big Rock Candy Mountain.” Other March 2 events include a 10 a.m. music performance by UMaine Renaissance and Bangor’s Prevailing Winds in the Bangor Public Library atrium; humanities research poster presentations by UMaine art and history majors, as well as Bangor High School students, at noon in the Bangor Public Library lecture hall; and a 4 p.m. poetry reading at Nocturnem. More information about Bangor Humanities Day is [online](#).

#### **Mount Desert Islander previews March 2 reading by Howard**

**28 Feb 2019**

The [Mount Desert Islander](#) previewed a reading by essayist and fiction writer Gregory Howard, an associate professor of English at the University of Maine, at 8:30 p.m. March 2 at the Lompoc Cafe in Bar Harbor. Howard is the author of the novel “Hospice,” and his fiction and essays have appeared in several publications. Part of the Bateau Reading Series, the free, all-ages event will consist of a reading by Howard and a musical performance by poet and musician Daniel Hales. There will be a discussion with Howard and Hales following the event.

#### **WABI speaks with student about mini-boat test**

**28 Feb 2019**

[WABI](#) (Channel 5) spoke with Hattie Train, president of the Marine Sciences Club at the University of Maine, about a mini-boat test at UMaine on Feb. 27. Students from Bangor-based United Technologies Center tested the 5-foot-long boat, the first of several they are building as part of the Mini-Boat Research Collaboration, an effort to provide hands-on STEM learning, WABI reported. “With this project they’ve expanded it a little bit to be a larger boat and to have a remote-control setting where they’re trying to be able to steer the boat,” Train said. “And we’ve even discussed putting in sensors that might be able to measure different oceanographic data.” The boats eventually will be launched from locations around the world, according to WABI.

#### **Maine Public, Press Herald quote Olsen in reports on state bird debate**

**28 Feb 2019**

[Maine Public](#) and the [Portland Press Herald](#) quoted Brian Olsen, an associate professor of biology and ecology at the University of Maine, in reports on the debate over whether Maine’s state bird should be the black-capped chickadee or the boreal chickadee. Olsen was one of two ornithologists who spoke to lawmakers Feb. 27, based on their expertise. According to Olsen, the black-capped chickadee has a spring song and, “That song is not flashy, nor presumptuous. It just gets the job done.” The song is distinct from the call typically associated with the black-capped. “You might not know, but the black-cap chickadee call, that very charismatic ‘chicka-dee-dee-dee,’ the number of ‘dees’ at the end is a judgement that the chickadee makes about how dangerous a particular threat would be,” Olsen said. The boreal chickadee, on the other hand, has no song. “Not frivolous birds, the boreal chickadees,” he said. They do have a unique call, but many who have not been in the boreal forests of northern Maine likely have not heard it or seen the bird. The Maine Legislature named “the chickadee” the state bird in 1927, but did not specify which species. Now lawmakers are considering a bill to choose one species over the other, Maine Public reported. Olsen has not taken a side, but he noted other reasons to choose one species. “The black-capped is already on the license plate, so that choice would be efficient,” he said. “And in support of the boreal, I will say the only other state that has the black-capped chickadee is Massachusetts. And I’ll leave it at that.” Olsen said the issue is divisive, and suggested Maine could instead adopt the common loon as the state bird. The [Kennebec Journal and Morning Sentinel](#) and [Journal Tribune](#) published the Press Herald article, and the [Bangor Daily News](#) and [Vermont Public Radio](#) carried the Maine Public report.

#### **The Maine Edge interviews Schilling ahead of America East Hackathon**

**28 Feb 2019**

[The Maine Edge](#) interviewed Peter Schilling, executive director of Innovation in Teaching and Learning at the University of Maine, for an article advancing the America East Hackathon 2019, or Hack AE, to be held at UMaine March 2 and 3. Hack AE, now in its third year, is a 24-hour “civic hackathon” organized by the America East Academic Consortium (AEAC) that brings together students in different disciplines from all over the country to build software and hardware to find unconventional solutions to specific problems. This year’s event will focus on helping to integrate technology and general tech-savviness into the world of small agriculture, the article states. “A hackathon is a timed event in which teams (or individuals) attempt to develop solutions to problems,” said Schilling. “They draw on new technologies though, rather than identify an existing product as the top-to-bottom solution to the problem, they try to develop their own or combine parts of a number of available technologies in new and innovative ways.” According to Schilling, UMaine offers several “Makerspaces,” or spaces where clients or the public can use tools to create things. These include the Innovative Media Research and Commercialization Center, the Advanced Manufacturing Center, and the Hackerspace in Memorial Union, established in March 2017 “to help students and faculty discover a range of new technologies that may help them ask new questions as well as discover the answers to their questions,” Schilling said. Spectators and the public are welcome to attend throughout the event, during which 125–200 students are expected to work toward developing a functional prototype or proof of concept, according to Schilling.

#### **CEAC accepting nominations for 2019 Outstanding Classified Employee Award**

**01 Mar 2019**

The University of Maine’s Classified Employees Advisory Council (CEAC) seeks nominations for the 2019 Outstanding Classified Employee Award. The award recognizes classified employees’ exceptional service and dedication to UMaine, increasing the campus community’s awareness of the indispensable contributions that represented and nonrepresented classified employees make to the quality, diversity and overall mission of the university. After reviewing the nominations, CEAC’s Outstanding Classified Award Committee will notify one winner. The finalist will be presented with an award and a cash stipend of \$1,000 at UMaine’s Employee Recognition and Awards Luncheon on April 23. Each nomination must include at least three letters of recommendation that describe the nominee’s actions, activities and attributes that set their job performance and contributions to the university community above normal expected levels. Each finalist must:

- Be a current UMaine classified employee;
- Have served the university a minimum of three continuous years (full or part time);
- Inspire others through dedication, commitment and work ethic;
- Maintain the highest level of professional service to the campus community, their department(s) or areas of responsibility;
- Provide outstanding service to their university department(s); and
- Help to create a better environment for employees, students and the campus community through their outstanding service.

Nominations can be submitted [online](#); mailed to CEAC, 201 Alumni Hall; or emailed to [umceac@maine.edu](mailto:umceac@maine.edu). The deadline for applications is March 15.

#### **Penobscot Bay Pilot, VillageSoup announce grant writing program at Hutchinson Center**

**01 Mar 2019**

The [Penobscot Bay Pilot](#) and [VillageSoup](#) announced a grant writing certificate program at the University of Maine Hutchinson Center in Belfast. The intensive program is recommended for nonprofit leaders, executive directors, municipal officials, board members and others interested in creating high-quality grant proposals. The program will be offered April 22–26 and June 10–14. The cost is \$750, and need-based scholarships are available. Participants will earn a UMaine certificate in grant writing; 3.0 CEUs/30 contact hours also are available, the articles state. For more information or to request an accommodation or scholarship application, contact Diana McSorley, 338.8093; [diana.mcsorley@maine.edu](mailto:diana.mcsorley@maine.edu).

#### **WV7 covers UMaine Extension wild blueberry conference**

**01 Mar 2019**

[WV7](#) (Channel 7) covered the University of Maine Cooperative Extension’s wild blueberry conference Feb. 28 at the Black Bear Inn in Orono. More than 40 farmers from all over the state attended to discuss best practices for growing, harvesting and selling wild blueberries, according to the report. “Farmers by nature are doers, creative people, and to find out what other people are doing to face the challenges — same challenges you may face on your farm — is incredibly valuable because some of those lessons they’ve learned might be applicable on our farm as well,” said Bruce Hall, a farmer for Jasper Wyman & Son Co. who attended the conference.

01 Mar 2019

[WABI](#) (Channel 5) previewed the Stephen E. King Chair Lecture at the University of Maine, to be given by Lewiston native, television writer and producer of “Will & Grace” Adam Barr at 4:30 p.m. March 1 at Wells Conference Center. The lecture is titled “Made for TV: Writing to Keep Hollywood Relevant.” Barr also gave a related talk on current social issues and their Hollywood representations at Orono High School on Feb. 28, WABI reported.

## BDN interviews Garland about starting seeds indoors

01 Mar 2019

The [Bangor Daily News](#) interviewed Kate Garland, a horticultural professional with University of Maine Cooperative Extension, for an article about starting seeds indoors in the winter. Starting seeds indoors can protect seedlings from adverse weather conditions, animals and pests, and give gardeners a head start, the article states. “The tissue is a little bit tougher and more developed if plants are grown inside,” Garland said. “You have a little bit more control of the situation. Outdoors is kind of like the Wild West.” Hardier plants like beets, carrots, corn, okra, parsnips and potatoes are better started outdoors. But Garland said onions, leeks, shallots, parsley and spinach are best off if started indoors now. “The seedlings that you would transplant out could tolerate some light frost. You can easily protect them with row cover early on [in the season],” Garland said. Other plants that fare better when started indoors include broccoli, Brussels sprouts, eggplant, cauliflower, peppers, Swiss chard, celery, pumpkins, tender herbs and annual flowers, according to the BDN. While seed packets sometimes carry information about when to start, Garland said some do not and gardeners can check the seed catalog or contact their local Cooperative Extension to ensure they know when to plant. Garland recommended a sheet-style tray as opposed to a plug tray, which can make watering more challenging. And while peat moss and potting mixes made with it are great choices for seedlings, concerns about sustainable harvesting of peat moss recently have led to alternatives. “There are lots of different options for compost-based mixes. You want a mix that’s fairly fine in texture. There are recipes out there that folks could [use to] build their own, or you can get a mix from a local garden center,” said Garland, who also advised supplementing natural window light with a grow light to shine on plants for 12–14 hours per day, and watering seedlings properly. “I try to recommend folks to check on a daily basis whether seedlings need water. Err on the side of caution. If you are ever in doubt, don’t water,” she said.

## Researcher looks at how Maine principals decide when to let kids go outdoors for recess

01 Mar 2019

The recent cold snap in Maine poses a challenging question for elementary schools in the state: How cold is too cold to let children outside for recess? Lauren Jacobs, a lecturer in kinesiology and physical education at the University of Maine, has studied how the weather affects schools’ decisions when it comes to outdoor physical activity. In 2017, she conducted a statewide survey of Maine elementary school principals and found recess policies vary greatly around the state. Some schools don’t cancel outdoor recess unless the temperature and wind chill fall below zero degrees, while others cancel outdoor recess when the temperature and wind chill are below 20 degrees. Schools in northern Maine were more likely to have a lower temperature cutoff. Most schools also canceled outdoor recess for rain and high winds. Jacobs also interviewed several Maine principals and found different explanations for their school’s weather policies. Some educators said there were issues with children not bringing adequate clothing to school. Other challenges included slippery conditions, parents’ concerns, and teachers not wanting to go outside for recess duty in cold weather. The benefits of outdoor physical activity for students are numerous, Jacobs says, including increased physical health, as well as improved social, emotional and mental well-being. However, Jacobs’ study revealed a general lack of understanding about how many days of outdoor recess and physical education classes Maine elementary school students miss due to weather. She hopes further research can help school administrators, teachers and community members realize how even small changes to weather policies could affect the outdoor time available to students. Contact: Casey Kelly, 207.581.3751

## UMaine-led team discovers protein, lipid connection that could help lead to new influenza therapies

05 Mar 2019

The connection between an influenza virus surface protein and a host cell lipid has been discovered by researchers at the University of Maine and the National Institutes of Health. Confirmation of direct interaction between the protein and lipid could lead to new antiviral therapies. The UMaine-led research team is now testing a hypothesis that a certain region within the protein hemagglutinin (HA) — its cytoplasmic tail — could be the site of interaction with the host cell lipid PIP2. Because of the stability of the HA tail, there is potential for a targeted treatment that could continue to work, despite the frequent mutations of other parts of HA, according to the scientists, who reported their findings in the *Biophysical Journal*. “Our findings show for the first time a connection between the influenza virus surface protein HA (the H in H1N1) and the host cell lipid PIP2,” says UMaine professor of physics Samuel Hess, the team’s lead scientist. “With further single-molecule microscopy experiments, we are now testing the hypothesis that a certain region within HA could be the site of interaction with PIP2.” [https://www.youtube.com/watch?v=ydRe5\\_FwOSA&feature=youtu.be](https://www.youtube.com/watch?v=ydRe5_FwOSA&feature=youtu.be) [Read transcript](#) HA has two roles, according to the Centers for Disease Control and Prevention website. The surface protein allows a flu virus to enter a healthy cell and acts as an antigen that can trigger an immune response that protects the host from reinfection by the same flu strain. That makes HA one of the active components of inactivated flu vaccines. According to the CDC, most seasonal flu vaccines are designed to target HA of the flu viruses that research suggests will be most common during flu season. PIP2 controls a large number of cellular functions through signaling pathways it can modulate. Many of these pathways control the actin cytoskeleton, a structural framework for cell shape, motility and membrane organization. During flu infection, manipulation of such signaling pathways by the virus can allow it to suppress innate immune responses, keep infected cells alive, and increase the rate of assembly and escape of new viral particles. Many proteins that have been seen together with HA are known to control the actin cytoskeleton, and they also have known binding to PIP2, but the connection was not previously explained. Using confocal and super-resolution microscopy, the latter a patented technology developed by Hess, the researchers imaged HA and PIP2 in several living cell types and observed that they sometimes occupied the same regions in the plasma membrane defining the cell exterior. HA and PIP2 also were observed affecting each other’s motions. Having HA present caused PIP2 to move more slowly, reverse direction more frequently, and be more highly confined into clusters. Having PIP2 present caused the density of HA to increase. A high density of HA on the surface of the virus is necessary for viral entry into uninfected cells through a process called membrane fusion. Funding for the research included grants from the National Institutes of Health, Maine Technology Institute and Maine Economic Improvement Fund. Contact: Margaret Nagle, 207.581.3745

## Transcript

**Sam Hess:** The big challenge is that people still get sick from the flu. The virus mutates every year, so the vaccine is playing catch-up to that. We’d really like to have something that could fight the flu even though it’s changing, even though it’s mutating. We’ve developed a technique called super-resolution microscopy. It allows us to see what’s happening at the molecular scale, inside of a cell it’s either being infected by the flu or has some parts of the flu virus present. We discovered that one of the components, which is called HA or hemagglutinin, it’s the H in H1N1, is connected to a lipid that’s part of a host cell. This lipid’s called PIP2. While many lipids are passive players, this particular one is able to signal or control signaling in the cell. That’s one thing that the virus could exploit. We discovered that the HA and the PIP2 are together in the same region and also that they affect each other, how they move, how they concentrate, and how they cluster. That discovery means that there’s probably an interaction of some kind between these two things — the HA and the PIP2. If we could attack that interaction and break it up, then that could stop the virus from being able to manipulate the cell. We think that the HA and the PIP2 are interacting through the tail on the HA, which is a very short region. It’s very much consistent from strain to strain. I mean you could screen a bunch of different drugs to see if something is able to block that interaction. This is a super-resolution image of HA, the flu protein in green, and PIP2, which is the cell lipid. That’s colored in pink. There are areas where the two are together. It makes a strongly white cluster. If you attack part of the virus that changes each year, then your strategy has to change as the virus changes. If you attack part of the virus that’s invariant, that’s conserved from year to year, and that’s what the tail is, it’s consistent, then either the virus gets killed by or isn’t able to replicate because of the drug, or the virus mutates something that it needs. Then it dies on its own. It’s a connection that’s never been seen before. If we can block that interaction, then we have something that the virus can’t mutate out of. I think of this as like a bad relationship, three people that are competing. The HA is stealing PIP2 away from those other proteins, like a bizarre love triangle. The target of vaccine and that’s ... I think it’s really exciting. Some people were quite surprised. I know some of my colleagues have heard what we found. They’re already planning some of the parts of their lab’s work to use this and investigate this finding further. The flu causes tens of thousands of deaths per year in the United States. The available drugs for treating the flu are quite limited. The viruses that are circulating have resistance. Some of them have resistance to the available drugs. All it takes is a few mutations to get us from the strains that are going around now into a 1918-type flu. That type of virus would be a disaster. It was a disaster. We’d like to have some more options for fighting off something like that. [Back to post](#)

## UMaine, BioME invite public to tour facilities, learn about programs encompassing biosciences

01 Mar 2019

*Editor’s note: Story updated March 13* From healthy foods to cutting-edge research, bioscience — applying knowledge to develop biological solutions — advances our quality of life. The University of Maine and the Bioscience Association of Maine (BioME) invite the public to tour top-notch UMaine facilities and learn about innovative programs that encompass the biosciences 4–7 p.m. Wednesday, March 20. Start at 4 p.m. at the Foster Center for Student Innovation, where UMaine President Joan Ferrini-Mundy will talk about the university’s statewide research reach, collaborations and impact. Then get an introduction to Innovation Engineering, wherein students are taught how to commercialize their ideas. Get an update on bioscience-related initiatives, including UMaine Medicine and statewide doctoral training for students in the multi-institution Graduate School of Biomedical Science and Engineering (GSBSE) program led by UMaine. Hear about commercialization successes, including Activas Diagnostics LLC, a UMaine spin-off company, established in collaboration with the psychology and engineering programs. Its SleepMove product — a fitted mattress undersheet with hybrid wireless sensors — has potential to help detect early symptoms of mild cognitive impairment and Alzheimer’s disease. Learn from bioengineers about a nanocellulose composite orthopedic implant that promotes the growth of bone then safely dissolves, eliminating the need for costly and permanent metallic devices. Visit the Aquaculture Research Institute, and discover how experiments there advance seafood production in the state. Tour the Advanced Structures and Composites Center, where scientists design and test innovations — from cross-laminated timber construction items to a long-lasting, rapidly deployable bridge system. After the tour, enjoy a reception with appetizers and beverages. Talk with people who work at biotech and medical device companies, as well as scientists who work in academic bioscience laboratories. Hear more about Maine’s only research university and its

programs and resources available to the state. Representatives and materials from the Emera Astronomy Center; University of Maine Cooperative Extension; Women in Science, Technology, Engineering, Mathematics, and Medicine (WiSTEMM); the Department of Molecular and Biomedical Sciences; the School of Marine Sciences; the School of Biology and Ecology; and others will be at the reception. Event organizers are Agnieszka Carpenter, executive director of BioME; Kristy Townsend, assistant professor of neurobiology at UMaine and member of the BioME board of directors; and Ali Abedi, assistant vice president for research and director of the Center for Undergraduate Research (CUGR). People are invited to register [online](#) for the UMaine Tour and Spring Networking event. Contact Townsend at [kristy.townsend@maine.edu](mailto:kristy.townsend@maine.edu), 207.581.2541 for more information or to request a reasonable accommodation. Contact: Beth Staples, 207.581.3777

#### **Steneck to talk about ‘flipped’ and ‘locked’ ecosystems at Colby**

**04 Mar 2019**

Bob Steneck will discuss [“Flips, locks and feedbacks: The lasting effects of fisheries on Maine’s kelp forest ecosystem”](#) at 7 p.m. April 16 in the F.W. Olin Science Center at Colby College in Waterville. Steneck is a professor in the University of Maine School of Marine Sciences, based at the Darling Marine Center. His talk is part of the Environmental Studies Evening Lecture Series.

#### **Mayewski speaker at National Geographic Explorers Festival**

**04 Mar 2019**

Paul Mayewski, Distinguished Maine Professor in the School of Earth and Climate Sciences and director of the Climate Change Institute at the University of Maine, was a speaker in a panel discussion at the [National Geographic](#) Explorers Festival in London 2019 on Feb. 12. The panel focused on high mountain research in the face of climate change, and the value of mountains as water towers for human and ecosystem water consumption.

#### **Purnell to deliver Howard B. Schonberger Peace and Social Justice Lecture**

**04 Mar 2019**

Brian Purnell, Geoffrey Canada Associate Professor of Africana Studies and History at Bowdoin College, will deliver the annual Howard B. Schonberger Peace and Social Justice Lecture at the University of Maine on March 7. Purnell’s lecture, “I’m Sorry You Don’t Know Me: Martin Luther King, Jr. Like You’ve Never Learned About Him Before,” will begin at 5:30 p.m. in the Bodwell Lounge of the Collins Center for the Arts. A reception will be held at 5 p.m. Earlier in the day as part of the Socialist and Marxist Studies Series, Purnell will present “‘The Wire’ and the Case for Radical Optimism.” The talk about the popular HBO show will be held at 12:30 p.m. in the Bangor Room of Memorial Union. The annual Howard B. Schonberger Peace and Social Justice Lecture continues the legacy of Schonberger, who was a senior professor of history and activist scholar at UMaine before his death in 1991. He focused on U.S. foreign policy of war, colonialism, and imperialism, and the struggles for democracy and greater democratic socialism at home and abroad. Both talks are free and open to the public. For more information, email Mary Freeman, [mary.t.freeman@maine.edu](mailto:mary.t.freeman@maine.edu).

#### **Women’s History Month at UMaine kicks off with conversation, WABI reports**

**04 Mar 2019**

[WABI](#) (Channel 5) covered the kickoff event for Women’s History Month at the University of Maine. “Girl Talk: An Inter-Generational Conversation” was held March 1 and focused on the 19th Amendment that granted some, but not all, women the right to vote. The rest of the month will feature different free, public events, including films, talks and other activities, WABI reported.

#### **Penobscot Times publishes UMaine release on 2019 Distinguished Maine Professor**

**04 Mar 2019**

[The Penobscot Times](#) published a University of Maine news release reporting Sandra Caron, a professor of family relations and human sexuality, is the recipient of the UMaine Alumni Association’s 2019 Distinguished Maine Professor Award, which recognizes the highest qualities of teaching, research and public service. Caron has taught more than 25,000 students since joining the faculty in 1988, and currently teaches about 1,000 per year. She uses a variety of media, technologies, lesson and project formats, and guest lecturers to make classes engaging and relevant, according to the release. And she makes sure to incorporate the experiences of minorities, non-Western cultures and women of all social and ethnic origins when developing courses. A core value of her teaching “is the belief that every human being must be genuinely respected and valued for what he or she is — a worthy person, who is in the process of becoming,” Caron said. Caron also has chaired more than 50 graduate committees, served on more than 100 thesis and dissertation committees, produced nearly 50 scholarly publications, and written several books and guides. She will receive a \$4,200 prize, blazer and pewter medallion when she is honored at the Alumni Achievement Awards dinner and celebration slated for April 5.

#### **McGillicuddy Humanities Center hosts Bangor Humanities Day, WABI reports**

**04 Mar 2019**

[WABI](#) (Channel 5) reported the University of Maine’s Clement and Linda McGillicuddy Humanities Center hosted Bangor Humanities Day on March 2 to bring awareness to the humanities in the Greater Bangor community. UMaine Renaissance, a female a cappella group, performed with Bangor’s Prevailing Winds at the Bangor Public Library. Other local businesses and organizations sponsored events throughout downtown Bangor, according to the report.

#### **Sun Journal interviews Fried for article on women in politics**

**04 Mar 2019**

The [Sun Journal](#) interviewed Amy Fried, a professor of political science at the University of Maine, for an article about women in politics. Women have increased their numbers in positions of political power, but there’s still a long way to go, the article states. “Certainly there has been a big increase in the number of women elected in 2018, and Maine has really made a big jump in terms of the governorship and women in the state legislature,” said Fried. This year, 28.7 percent of state legislators nationwide are women, up from 25.4 percent last year, according to the Center for American Women in Politics. Fried said there is room for improvement because women make up more than 50 percent of the voting population, and the 19th Amendment to the U.S. Constitution gave women the right to vote in 1920. “We’re almost at the centennial,” and numbers should be higher, said Fried. “Research shows women tend to be more oriented toward working together. Their leadership style is more inclusive. They compromise,” said Fried. And women are generally more interested in issues of education, health care and health of communities. “So that can affect what policies are getting attention,” said Fried. Historically, women have waited for someone to ask them to run for office. “Now, women are waking up and saying, ‘I think I could do a good job,’” she said. “You don’t have to wait.”

#### **WABI covers Martin Luther King Jr. breakfast**

**04 Mar 2019**

[WABI](#) (Channel 5) covered the annual Martin Luther King Jr. Breakfast Celebration at the University of Maine. Originally scheduled for Jan. 21, the event was moved to March 2 due to inclement weather. The celebration of King’s life, legacy and dedication to diversity included food and music, and was co-sponsored by the Greater Bangor Area NAACP and UMaine Division of Student Life, WABI reported. “We’re so thrilled that so many people came today to celebrate what I would like to call as sort of pushing back the dark and working for justice, equality, diversity and inclusion,” said Robert Dana, vice president for student life at UMaine. “I think that people felt as though together we can make a big difference.”

#### **The Atlantic quotes Brewer in article about Huey Long**

**04 Mar 2019**

[The Atlantic](#) quoted Mark Brewer, a professor of political science at the University of Maine, in an article about American politician Huey Long. Long’s career illustrates what could happen if a left-wing politician channeled a similar message and disregard for political conventions as President Donald Trump, the article states. Brewer said the support for the type of American populism promoted by Trump is rooted in several factors: perceived conflict between “elites” and “common people”; a sense of economic unfairness; distrust of centralized authority, especially the federal government; and a desire to “maintain a previously existing arrangement that’s under threat and, in a lot of cases, probably gone already.” Brewer said that throughout history, populist voters have felt

“a sense of a loss of control about what was going on in their society. Things were happening and things were changing, and the change was unsettling, but they couldn’t do anything about it. It was almost like they were being acted on from above.”

#### **WABI, WVII interview Jacobs about recess policy study**

**04 Mar 2019**

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) interviewed Lauren Jacobs, a lecturer in kinesiology and physical education at the University of Maine, about her recent study focusing on different elementary school policies for deciding when it’s too cold for students to go outside for recess. Her 2017 survey yielded insights into policies based on many different factors, and found that schools in southern Maine typically would not cancel outdoor recess unless it was 20 degrees or colder, while schools in northern Maine would not cancel recess unless it was below zero. “What I’m hoping with the research is that schools take a look at their policies and think about what they are, think about why they are set at those temperatures and then think about how could small policy changes result in more outside time for kids,” said Jacobs, adding that outdoor physical activity has many benefits including physical health and overall well-being. “Kids that move more do better in school and they’re healthier physically and emotionally and so as educators it’s really an important goal that we get kids moving as much as we can.” The Associated Press also reported on her research, and [U.S. News & World Report](#), [Bangor Daily News](#) and [WABI](#) carried the AP report.

#### **President Ferrini-Mundy to provide expert testimony on Capitol Hill**

**04 Mar 2019**

University of Maine President Joan Ferrini-Mundy will provide expert testimony March 6 on Capitol Hill as part of “Inclusion in Tech: How Diversity Benefits All Americans,” a hearing held by the Subcommittee on Consumer Protection and Commerce of the Committee on Energy and Commerce. Ferrini-Mundy will discuss the opportunities at various levels of the educational chain to support STEM and other related skills to improve diversity and inclusion in the technology sector and others. The President’s career has spanned the fields of mathematics education, STEM education and policy, teacher education and research administration.

#### **Winners of Sharon Barker Student Activism Award, Maryann Hartman essay contest announced**

**05 Mar 2019**

The 2019 Maryann Hartman Awards ceremony will include presentation of two new honors this year — the Sharon Barker Student Activism Award for University of Maine students, and an award for a local high school essayist inspired by a Maine feminist. Recipients will be recognized at the Hartman Awards ceremony at 5:30 p.m. March 27 at Buchanan Alumni House on campus. The Sharon Barker Student Activism Award will be presented to master’s candidate Moriah Geer of Old Town and undergraduate Taylor Cray of Readfield. Neily Raymond of Hermon will be honored for her submission to the Maryann Hartman Scholarship essay contest. Geer, a single mother and a first-generation college student, will graduate with a master’s degree in social work in May. She works as the Moxie Case Coach at Maine Equal Justice Partners in Augusta, where she helps clients navigate the state’s support systems, such as the Supplemental Nutrition Assistance Program (SNAP), Temporary Assistance for Needy Families (TANF) and MaineCare. Elected to the Old Town School Committee last fall, Geer plans to run for a state legislative seat. Cray, a third-year student and vice president of Student Government, is majoring in political science and women’s, gender, and sexuality studies, with minors in Spanish and legal studies. She volunteers with Planned Parenthood and the Maine Democratic Party, where she focuses on voter engagement. Cray plans to attend law school to continue her pursuit of social justice through legal activism. Raymond, a junior at Hermon High School, will receive a \$1,000 scholarship to UMaine in recognition of her submission, “Edna St. Vincent Millay: Vim, Vigor, and Verse,” an entry that captured the Pulitzer Prize-winning poet’s progressive values while highlighting the role of art in creating social change. Raymond is currently spearheading a campaign to revive the show choir program at Hermon High, and hopes to pursue an interdisciplinary college major that integrates the study of literature with her passion for performing arts. The Sharon Barker Student Activism Award honors UMaine student activists seeking to implement positive change in their communities by fostering social justice. Barker, a longtime UMaine employee, is known for her passionate advocacy for Maine women and girls. She founded the University of Maine’s Women’s Resource Center in 1991, and served as the center’s director until she retired in 2015. The awards ceremony, which is free and open to the public, is sponsored by the Women’s, Gender, and Sexuality Studies Program, and the Rising Tide Center at the University of Maine. To attend, RSVP by calling 207.581.1228, or email [umaine.wgs@maine.edu](mailto:umaine.wgs@maine.edu). Contact: Margaret Nagle, 207.581.3745

#### **Maine Vegetable and Fruit School in Portland and Bangor**

**05 Mar 2019**

Farmers will have two chances to attend the annual Maine Vegetable and Fruit School in Portland on March 25, and in Bangor on March 26. The school, from 8:30 a.m.–4 p.m., will be held at Seasons Event and Conference Center in Portland and the Bangor Motor Inn Conference Center in Bangor. Offered by University of Maine Cooperative Extension and the Maine Vegetable and Small Fruit Growers Association, presenters include UMaine Extension staff and industry experts. Topics include a legislative update, brown-tail moth management, maximizing farm operations with value-added products, managing root diseases, integrated pest management for high tunnels, improving record keeping, and paper mulch trials at Highmoor Farm. The fee is \$45 per person, \$55 if registered after March 8, and includes lunch; online registration is required by March 13. Recertification credits are available for pesticide applicators and certified crop advisers. For more information or to request a reasonable accommodation, contact Mark Hutchinson, 207.832.0343; [mhutch@maine.edu](mailto:mhutch@maine.edu). More information also is online.

#### **VillageSoup announces Waldo County Extension offering scholarships**

**05 Mar 2019**

[VillageSoup](#) announced the Waldo County Extension Association and Maine 4-H Foundation are offering a \$1,500 scholarship for graduating Waldo County seniors. The scholarship is designed to assist students interested in pursuing a degree that aligns with the mission of University of Maine Cooperative Extension, which is to help Maine people improve their lives through an educational process that uses research-based knowledge focused on issues and needs, the article states. To apply, students can send a 500- to 1,000-word essay by April 12; the questions and more information are [online](#). Priority will be given to students who have prior experience with Cooperative Extension or in their field of study. The award will be presented at the annual 4-H Foundation meeting in May at UMaine, VillageSoup reported. The Waldo County Extension Homemakers’ Council also is offering a \$200 scholarship to a graduating Waldo County senior, according to [VillageSoup](#). This scholarship can be applied to any course of study in a postgraduate school or college. The application is [online](#), with a deadline of April 15. For more information, contact Rick Kersbergen, 342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

#### **WVII speaks with Ralph about sports facilities plan**

**05 Mar 2019**

[WVII](#) (Channel 7) spoke with Ken Ralph, director of athletics at the University of Maine, about the university’s sports “facilities master plan.” One of Ralph’s goals is to have every sport playing on campus. He said UMaine is exploring different renovation and building plans for all its facilities and sports teams, and that the space is there but it’s a question of funding. The basketball teams are included in the plan even though they are committed to playing off campus at the Cross Insurance Center in Bangor until 2023, WVII reported. “Certainly basketball is going to be a part of that picture,” Ralph said. “But it can be anything from an on-campus facility to a practice facility to where we can continue to play at the Cross. It’s been a great home for us, the hard thing for us is it’s off campus and it’s hard for our students to get there.”

#### **Forecaster interviews Wertheim about hunger summit**

**05 Mar 2019**

[The Forecaster](#) interviewed Frank Wertheim, an Extension educator in agriculture and horticulture with University of Maine Cooperative Extension, for an article about the Universities Fighting World Hunger Summit. The summit will be held in Maine for the first time March 14–16 at the University of Southern Maine in Portland, and is co-sponsored by the USM Food Studies Program, UMaine Extension, and the Maine Campus Compact. More than 500 students, faculty and activists are expected to attend, with a goal of inspiring and encouraging students in all disciplines to learn about the root causes of hunger and come up with solutions, the article states. “In order to solve the problem of world hunger, we have to reach out to the leaders of tomorrow,” said Wertheim, one of the summit’s organizers. “A lot of college students are already interested in community engagement and making a difference. What we hope to do is inspire that passion and channel that into action. We can’t donate our way out of (food insecurity), so ultimately changes in policy will be necessary.” According to Wertheim, the issue of food insecurity has increased over time, with demand going up at food pantries and soup kitchens, and Maine consistently ranking among the states with the most people facing hunger. “We’re trending in the wrong direction,” said Wertheim. “Part of what we’re looking at is where food comes from and how it’s distributed. We have enough food, it’s just a problem of access (and cost). There’s no question we need to look at this issue comprehensively and (build) political will.”

#### **Maine Boats, Homes & Harbors quotes faculty, student in article on coastal research**



05 Mar 2019

[Maine Boats, Homes & Harbors](#) interviewed several faculty members and students from the University of Maine for an article about Maine's history of coastal research. There are roughly 200 marine stations in the world today, according to Kevin Eckleberger, professor emeritus of marine biology at UMaine. "An explosion of new marine labs occurred in the 1880s around the world and again during the 1960s in America, when the Darling Marine Center opened," he said. The Darling Marine Center in Walpole, donated to UMaine by Ira and Clara Darling in the 1960s, is one of at least 18 marine laboratories and coastal field stations in Maine. "No one place, no matter how fantastic the people or facilities, is enough to understand the dynamic and changing Gulf of Maine. We need a network of field stations and marine labs to do that," said Heather Leslie, director of the center. "In addition to having such a big coast, and needing a network of facilities to match, we also have a strong history of natural history, science and collaboration with industry and communities." The Downeast Institute for Applied Marine Research and Education at the University of Maine at Machias began as a fisheries operation in 1987. After a \$6.6 million expansion in 2018, it is the easternmost marine research laboratory and education center in the United States, according to the article. At the Gulf of Maine Research Institute in Portland, UMaine researcher Walt Golet and his students gather data on bluefin tuna every summer. Andrew Pershing, chief scientific officer at GMRI and an associate professor in UMaine's Climate Change Institute, said the facility recently updated its LabVenture interactive educational experience that draws 70 percent of Maine's fifth- and sixth-graders annually. "The marine community here works pretty well together. There are challenges and rivalries and we compete for the same grants, but we are pretty collaborative," Pershing said. Out in the field, students can focus and fully immerse themselves in research. "All else falls away when I am doing fieldwork, immersed in a place. I am the most focused," said Hannah Webber, who is studying rockweed at Schoodic Institute in Acadia National Park as part of her Ph.D. research at UMaine. "Every fall we welcome college students from the University of Maine and a number of other institutions to our Walpole campus. And, every fall, I am reminded anew of the power of living and learning at a marine lab like ours," said Leslie. "The students are out on the water every day, immersed in the ecosystem that they are studying. Our Semester by the Sea students leave the Darling Center ready to engage as professionals in marine and environmental science and with a clearer sense of how to pursue their passion than when they first joined us. It's a wonderful transformation to be part of."

#### **Undergraduate research training session to be offered March 11**

06 Mar 2019

The University of Maine Office of Research Compliance will hold a Responsible Conduct of Research training 5–8:30 p.m. March 11 in Hill Auditorium, Barrows Hall. The session is for undergraduate students participating in research sponsored by NSF, NIH and/or USDA-NIFA. More information and a registration link are online.

#### **Phys.org publishes release on protein, lipid connection that could aid flu therapies**

06 Mar 2019

[Phys.org](#) published a University of Maine news release about a recently discovered connection between an influenza virus surface protein and a host cell lipid that could lead to new antiviral therapies. The research team was led by Samuel Hess, a professor of physics at UMaine, and was supported by the National Institutes of Health.

#### **Morning Ag Clips announces registration open for Maine Grass Farmers Network conference**

06 Mar 2019

[Morning Ag Clips](#) reported registration is open for the Maine Grass Farmers Network (MGFN) Annual Conference 8:30 a.m.–3 p.m. March 23 at Kennebec County Community College in Hinckley. University of Maine Cooperative Extension partners with the Maine Organic Farmers and Gardeners Association and other producers to host the conference. Livestock producers are invited to learn about grass-based production and how grazing systems can become more profitable and environmentally sound, the article states. Topics will include using 3D printers to make tools, composting manure and mortalities, and climate adaptation strategies. The registration fee is \$60, \$45 for MGFN or Maine Beef Producers Association members, and \$25 for students ages 18 or younger, and includes lunch and snacks. Registration is online. For more information or to request a reasonable accommodation, contact Richard Kersbergen, 342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

#### **Grad students selected as Visiting History Scholars, Mount Desert Islander reports**

06 Mar 2019

[Mount Desert Islander](#) reported two University of Maine graduate students, Brittany Goetting and Darcy Stevens, have been selected as 2019 Visiting History Scholars by the Mount Desert Island Historical Society. Goetting and Stevens will help the society prepare for the bicentennial of Maine's statehood by researching and writing articles for the 2020 issue of the society's annual magazine, Chebacco, the article states. Goetting is a Ph.D candidate and adjunct instructor at UMaine and Husson University, and researches the community and identities formed by Baptists in Maine and the Canadian Maritimes in the late 18th and early 19th centuries. Stevens is a doctoral student and teaching assistant, and studies the daily lives of colonists in the years surrounding the American Revolution, including how they navigated the social landscape, according to the article. "Our partnership with the University of Maine connects us with young historians as they forge their careers," said Tim Garrity, executive director of the society. "We are happy to give them a place to practice their profession and look forward to learning all we can from them while they are with us."

#### **Rosenbaum recent guest on Maine Public's 'Maine Calling'**

06 Mar 2019

Judith Rosenbaum, an assistant professor of communication and journalism at the University of Maine, was a recent guest on [Maine Public's](#) "Maine Calling" radio show. The show's topic was the rise of shaming as a social phenomenon and how it often results in people being condemned, using police departments' public sharing of the information of crime suspects as an example.

#### **Food in Canada reports on wild blueberry research by Klimis-Zacas, Ph.D student**

06 Mar 2019

[Food in Canada](#) magazine reported on wild blueberry research led by Dorothy Klimis-Zacas, a professor of clinical nutrition at the University of Maine, and Panagiotis Tsakiroglou, a Ph.D student at UMaine. Wild blueberries are rich in compounds including anthocyanins and phenolic acids, which have beneficial effects on chronic diseases. The research team found that when human endothelial cells are exposed to specific concentrations of wild blueberry extracts, the treatment can influence the formation of new blood vessels and cell migration, which is essential for wound healing. The team plans to begin conduction trials of wound-healing products based on these extracts, according to the report. "These findings have big potential not only for the promotion of improved wound healing and tissue regeneration, but also in the development of new ways to treat burn patients," Klimis-Zacas said.

#### **BDN quotes Howell in article on new paper mill products**

06 Mar 2019

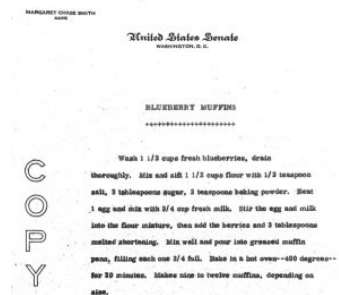
The [Bangor Daily News](#) quoted Caitlin Howell, an assistant professor of chemical and biomedical engineering at the University of Maine, in the article "Your doctor's office may soon be less germey because of a Maine paper mill." As the traditional paper business of Sappi North America continues to shrink, the company is expanding its production into other areas through its Westbrook Technology Center, where paper products are developed for new purposes, including in the medical field. Products with miniscule textures can be used in doctor's offices and ambulances to inhibit microbial growth without requiring chemicals, the article states. One project is a collaboration with UMaine to develop a tiny, paper-based medical test device. "Point-of-care diagnostics could make a difference in getting tested in your rural town instead of traveling one to two hours to a hospital," said Howell, who has been collaborating to test Sappi textures including materials inside an ambulance, and a tiny square of paper imprinted with special microfluidic patterns. "We can create these microfluidic devices on a mass-manufactured scale. The next step is to finish the validation work and show the versatility of the two-dimensional pattern that is unlimited in what it can do. Then we'll work with companies to make tests," Howell said. "The technology opens new avenues to new types of applications we haven't even thought about in the future." Maine Public carried the BDN article.

#### **Role of food in politics, public life focus of research collaborative inspired by Margaret Chase Smith**

06 Mar 2019

Exploring the intersections of food and politics is the focus of a new University of Maine research collaborative inspired by the recipe collection of Margaret Chase Smith. The Margaret Chase Smith Recipe Research Collaborative formed in fall 2018 to support an

interdisciplinary group of students and faculty who are passionate about food and interested in studying the role of recipes and cooking in politics and public life, as well as issues related to history, gender and the environment. The group was started by Rachel Snell, a lecturer in the Honors College, and Amy Blackstone, a professor in the Department of Sociology and Margaret Chase Smith Policy Center, after they recognized food as a common area of research within their respective fields. In material and symbolic ways, women have used food as a tool of self-expression, community building, political persuasion and resistance, as well as to negotiate the complicated terrain of femininity and domesticity within the public sphere, according to the researchers. [caption



id="attachment\_65756" align="alignright" width="300"] Margaret Chase Smith's blueberry muffin recipe[caption] The group, which is led by the Margaret Chase Smith Policy Center and Honors College, has six faculty and six student members from fields of study including food science, sociology, history, political science, folklore, business management and ecology and environmental sciences. Research by faculty and students examines the ways women have used food to communicate, leverage influence, and challenge perceptions and expectations. "Margaret Chase Smith is one of the most well-recognized and well-studied female figures in Maine history, but few of us would identify her as a homemaker," Snell says of the late politician who was the first woman to serve in both houses of the United States Congress. "Most research on Smith and recognition of her role focuses on her life in the public sphere as a congresswoman, senator and public figure. She also was a wife, cook and homemaker, and she frequently relied on these roles in her campaigns. Her recipes suggest how she combined her public and private personas and how the balance of the two contributed to her success as a political leader." A major goal of the group is to catalog, test and update Smith's recipes, creating a database for future research projects and a published collection. The group plans to publish Smith's original recipes along with updated versions. The collection also will include vignettes that explore the connections between the recipes and Smith's private and political life, Maine food traditions, mid-20th century American food systems, the role of the environment in food choices, and the connection between food and politics, according to Snell and Blackstone. "The published collection will help support Maine NEW Leadership, a nonpartisan, six-day residential institute that hosts 28 Maine undergraduate students each year and trains them to become Maine's next generation of political and civic leaders. The institute, run by the Margaret Chase Smith Policy Center, carries on Smith's legacy as a strong woman leader, committed to bipartisanship and civil dialogue," Blackstone says. The collaborative also aims to create community engagement with campus stakeholders and partner institutions, including the Margaret Chase Smith Museum and Library. Early research into Smith's recipes and related correspondence reveals she received frequent recipe requests and developed a collection of recipes featuring Maine ingredients that she could use to promote the state's agricultural products and seafood, according to the group. "Our research provides a new perspective on Margaret Chase Smith," Snell says. "One exciting aspect of exploring Smith's recipes is that her food traditions make her more relatable." Snell adds that many Maine residents also have food memories connected to family recipes, the recipes of a particular period, or regional foods such as lobster, blueberries and baked beans. In addition to the collection, the group organizes public events relevant to the collaborative's interests, while faculty and students engage in independent research or related projects. The group mentors undergraduate researchers and offers support for presentations and theses related to the collaborative's focus on food and politics. Two projects related to the collaborative, "Dishing out History: Recipes as a Pedagogical Tool in the Classroom" and "Recipes of Resistance: Food and the Negotiation of Women's Political Roles," will be presented at the 2019 annual meeting of the Association for the Study of Food and Society in Alaska this June. Student members of the group also will present projects April 10 at the UMaine Student Symposium at the Cross Insurance Center in Bangor. On March 7, the collaborative will host a public talk by food folklorist and scholar Diane Tye in Estabrooke Hall. Tye will present "Baking as Autobiography: Lessons from a Contemporary Recipe Collection" at 4:30 p.m. More about Tye's talk and the collaborative is [online](#). Contact: Elyse Catalina, 207.581.3747

#### Call for Steve Gould Award nominations

07 Mar 2019

Nominations are currently being accepted for the 2019 Steve Gould Award. The award was created in 1981 by the family and friends of Steve Gould in memory of "a man of honest and passionate concern for others." The award is given to those who have demonstrated superior qualities of unselfishness and compassion in the course of service to the University of Maine and its ideals. Students, staff, faculty members and organizations serving UMaine are eligible. Those involved in acts of heroism also may be nominated. The winner(s) will receive campuswide recognition as well as a monetary prize. Nomination forms are available by contacting Amber Thompson in the President's Office at 581.1516; [amber.thompson1@maine.edu](mailto:amber.thompson1@maine.edu). The deadline for nominations is 4:30 p.m. March 22.

#### Nominations sought for 2019 Outstanding Professional Employee Award

07 Mar 2019

The University of Maine's Professional Employees Advisory Council (PEAC) seeks nominations for the 2019 Outstanding Professional Employee Award. The award honors a professional employee whose actions and achievements beyond normal work responsibilities have provided outstanding service to their field, the university, and the community as a whole. In recognition of this employee's accomplishments and contributions, a cash stipend of \$1,000 is presented to the award recipient. Award criteria and the nomination form are [online](#). One professional employee will be selected by the PEAC to receive the award, which will be presented at the annual Employee Recognition and Awards Luncheon on April 23. Nomination forms and the required letters of recommendation should be mailed to PEAC, Outstanding Professional Employee Award Subcommittee, c/o Michael Swartz, subcommittee chair, 101F Service Building; or emailed to [michael.swartz@maine.edu](mailto:michael.swartz@maine.edu). The deadline for submission is 4 p.m. March 22.

#### International students visit local primary school, WWII reports

07 Mar 2019

[WVJ](#) (Channel 7) reported 19 students from Hirosaki University in Japan who are at the University of Maine as part of a three-week program visited Brewer Community School to shadow seventh graders. The students from Japan, who are mostly education majors, are staying with host families and taking classes at UMaine to improve their English and learn about the American education system. The program is in its 18th year, WWII reported.

#### BDN reviews UMaine production of 'Into the Woods'

07 Mar 2019

The [Bangor Daily News](#) reviewed the University of Maine School of Performing Arts' production of the musical "Into the Woods." With music and lyrics by Stephen Sondheim and book by James Lapine, the musical premiered on Broadway in 1987. The story "upends the fairy tales' promise that there always will be a happily-ever-after finale," the article states. The cast "all should be called professionals, not students" based on the talent they exhibit in this show, and the set by Daniel Bilodeau and lighting by Scott Hough are "spectacular," according to the article. Led by guest director Amiee Turner and music director Cynthia Sambrano, the production shows SPA's commitment to keeping the performing arts lively for current and future generations of students, the article states. "Into the Woods" will run in Hauck Auditorium through March 10. For more information or to purchase tickets, call 581.1755 or visit the [website](#).

#### North Carolina media cite Sea Grant report in articles on sea smoke

07 Mar 2019

[Raleigh News & Observer](#) and [The Charlotte Observer](#) cited a report from Maine Sea Grant at the University of Maine in articles about sea smoke in North Carolina's Outer Banks. Columns of smoke were reported rising from the Back Sound as a mass of cold air from the north brought cold rain, sleet and snow March 5 to some parts of the state, according to the article. The Sea Grant report notes that sea smoke is more likely to occur in polar regions, but can appear over any body of water. The smoke has been known to disperse and reform, "turning bays and coves into ephemeral cauldrons," according to the report. "Eventually, the air soaks up warmth from the sea, the winds pick up, and the smoke disperses."

#### BDN interviews Garland about plastic in gardens

07 Mar 2019

The [Bangor Daily News](#) spoke with Kate Garland, a horticultural professional with University of Maine Cooperative Extension, for the article “Easy ways to ditch plastic in your garden.” Plastic takes hundreds of years to degrade, and only 9 percent of the 8.3 billion metric tons of plastic ever created has been recycled, the BDN reported. Plastic can be found in many ways in gardening because it is so versatile, but using plastic can allow toxic materials to leach into the environment. One way to help is to replace plastic pots with biodegradable pots and wooden seed trays, the article states. “There’s a lot of great nonplastic containers out there,” said Garland, mentioning CowPots made from cow manure and others made from wood fiber or poultry feathers. “When you go to plant the seedlings in those pots, it’s best if you can peel the pot away from the seedlings. It could impede root growth,” Garland said. A metal watering can is better than a plastic hose, and making your own compost is more sustainable than buying it in plastic bags. “A lot of our soil amendments like compost and fertilizer come in plastic. Consider purchasing soil amendments in bulk,” to reduce the amount of plastic consumed, Garland advised. “A lot of times gardeners use big rolls of black plastic to warm the soil and for weed suppression,” she said, adding UMaine Extension’s demonstration farm is one place working to make the switch to materials like newspaper or cardboard weighed down by mulch. “Wooden stakes and plant markers are another thing to think about. There are a lot of plastic markers out there, but wood is absolutely fine,” Garland said.

#### President Ferrini-Mundy provides expert testimony at House hearing, Mercury News reports

07 Mar 2019

The [Mercury News](#) reported University of Maine President Joan Ferrini-Mundy was provided expert testimony at a March 6 House committee hearing on lack of diversity in the technology industry. Ferrini-Mundy provided ways to make sure there are enough diverse qualified workers in tech, including colleges supporting STEM (science, technology, engineering and math) readiness by helping students with costs, apprenticeships, inclusive initiatives, partnerships with the private sector and more, the article states. “A lot of it is about pathways,” Ferrini-Mundy said. “Students have to be able to see themselves in these fields.” [The Frederick News-Post](#) carried the Mercury News article.

#### Research report showcases ‘global impact, local relevance’

07 Mar 2019

The University of Maine recently published its Annual Research Report, showcasing the diversity of research by faculty and students and the impact of their work on the community — and beyond. The report demonstrates the success of interdisciplinary and collaborative research methods with stories that illustrate the positive outcomes and experience these techniques provide. “To solve a problem, we all have to listen to each other. To change the world, you have to understand where everyone is coming from and how to communicate in a language we can all understand,” says Deborah Saber, principal investigator of the project, “Making Maine’s local food system sustainable: Opportunities to address hunger and reduce waste.” The cutting-edge research highlighted includes projects by undergraduates, graduate students and faculty from multiple fields of study — from the sciences to the arts. UMaine has 16 major research centers and institutes. This year’s research report spotlights the Advanced Structures and Composites Center’s innovative research and economic development projects, such as the 72-Hour Bridge and the University Transportation Center. Kody Varahramyan, vice president for research and dean of the Graduate School, says the report represents the outstanding research and scholarly achievements at Maine’s flagship research university. “As one of the nation’s select land, sea and space grant institutions, the University of Maine for over one and a half centuries has been at the forefront of educational advancements, research innovations and community impact.” The report is [online](#). Contact: Christel Peters, 207.581.3571

#### Google award-winner Ghanavati seeks to better protect personal information of Android app users

08 Mar 2019

Sepideh Ghanavati, an assistant professor of computer science at the University of Maine, is the recipient of a \$32,285 Google Faculty Research Award. The award program was created to “enable building strong relationships with faculty around the world who are pursuing innovative research” and it “plays an important role for Google’s research organization by fostering an exchange of ideas that advances the state of the art.” The award aims to recognize and support world-class faculty pursuing cutting-edge research in areas of mutual interest. Ghanavati says in recent years the prevalence of mobile applications has exploded; Google Play has more than 3.3 million apps since June 2018. A 2016 study by Carnegie Mellon University researchers found that 71 percent of Android applications dealing with personal information either lacked privacy policies or had about 1.83 inconsistencies in the privacy policies per application, Ghanavati says. The inconsistencies, she adds, are because legal experts who don’t have sufficient technical knowledge write privacy policies, and because one to five developers with limited legal or policy knowledge do a lot of app development. Because there is no change management, or controlled identification and implementation of required changes, Ghanavati says policies remain unchanged during the life cycle of the application. To support developers generating privacy policies that are consistent with the applications and to better protect the personal information of Android app users, Ghanavati proposes a recommender system that translates permission functionalities of Android applications into a set of privacy statements that can be inserted into privacy policies. “Our approach leverages deep learning approaches such as neural machine translation (NMT) to translate the source code into natural language privacy statements,” she says. This work is one of the first of its kind in leveraging deep learning techniques to generate short privacy statements from code. “If successful, the cost of compliance could be reduced for developers since they would not need a legal expert for creating privacy policies and it also can lead to less penalties,” Ghanavati says. “It also could build trust between the users and the developers (with having fewer breach of privacy).” Her research project is titled “Privacy Statements’ Recommender System based on Permission Methods of Android Applications.” Ghanavati, who also directs the Privacy Engineering — Regulatory Compliance Lab (PERC\_Lab) at UMaine, has been invited to give a Google Tech Talk about her research. A date for the talk hasn’t yet been announced. Contact: Alan Berry, 207.581.1955

#### UMaine community members participating in fifth annual Maine Science Festival

08 Mar 2019

The fifth annual Maine Science Festival will be held in Bangor and Orono March 13–17. The University of Maine is one of the major event sponsors. Several members of the UMaine community will lead workshops and participate in the program that draws science, innovation and creative achievement enthusiasts of all ages. “Ask a Researcher” will be one of the Exploration Stations featured at the Cross Insurance Center on March 16. UMaine research representatives will encourage participants of all ages to ask research-related questions, which will be compiled and answered in a final video presentation to be released during Maine Impact Week and promoted at the UMaine Student Symposium on April 10. A list of other UMaine-led events follows.

- Science on Tap: CRISPR — Han Tan, Kristy Townsend
- Friday Field Trip Day — For seventh and eighth graders, highlighted by UMaine’s American Chemistry Society Student Group, Center for Cooperative Aquaculture Research, College of Engineering, and School of Marine Sciences
- Tech Night — UMaine’s chapter of ACM-W
- Mexica Archaeoastronomy — Emera Astronomy Center and M. F. Jordan Planetarium
- 5 Minute Genius — Jacquelyn Gill, Nick Giudice
- Exploration Stations — Featuring “Ask a Researcher” with UMaine Research, “Out of the Blue: Exploring Maine’s Edible Seaweeds” with Maine Sea Grant, “Photograms and Cyanotypes: Creating photos without a camera” with University of Maine Museum of Art, “A Pocket Model of the Solar System” with Emera Astronomy Center
- From Donut Holes to Earmuffs: a (quirky) history of inventions from Maine — Rachel Knapp, Renee Kelly
- Science of Aging — Fayeza Ahmed
- Health Care in Maine from the 18th Century to Today — Mazie Hough, Liam Riordan (moderator)
- Having Fun with Data (middle school edition) — VEMI Lab
- Solar Energy in Maine — Justin Lapp, Sharon Klein (moderator)
- Having Fun with Data (high school-plus edition) — VEMI Lab
- Ecology of Disease: How the Environment Shapes Human and Animal Health — Kristina Cammen, Pauline Kamath, Allison Gardner (moderator)
- Science of Voice — Qian Xue, John Thompson (moderator)
- Phantom of the Universe: The Hunt for Dark Matter — Emera Astronomy Center and M. F. Jordan Planetarium
- Beaver Fever and Swimmer’s Itch — Ian Bricknell, Anne Lichtenwalner
- Out There: The Quest for Extrasolar Worlds — Emera Astronomy Center and M. F. Jordan Planetarium
- Ripcord Talkback — Fayeza Ahmed

The full Maine Science Festival schedule is [online](#).

#### BDN interviews Fuller about late garlic planting

08 Mar 2019



The [Bangor Daily News](#) interviewed David Fuller, an agriculture and nontimber forest products professional with University of Maine Cooperative Extension, for an article on how to grow garlic in the spring if you forgot to plant it in the fall. “Garlic is a long-season crop. If you plant it in the spring, that clove is only going to form a large single bulb with no cloves in it called a round. The bulb will be smaller than if you planted it in the fall,” Fuller said. Garlic can be planted in April and harvested at the end of July or August, but Fuller said the method is “inferior” and recommends harvesting it as spring garlic about eight weeks after planting. The spring garlic will look almost like scallions, the article states. “Take little cloves and plant them really closely. The plant doesn’t have as long in the ground, so it can’t get as big as fall-planted garlic. The thing about planting these little cloves, after a while the stalks are going to start developing and they’re going to be quite tough. The harvest window is very narrow for that,” said Fuller, who recommends harvesting spring garlic while it is still tender and sauteing it with scrambled eggs.

#### **WVH speaks with Flying Club members**

**08 Mar 2019**

[WVH](#) (Channel 7) interviewed members of the University of Maine’s Flying Club about their experiences with the organization. “When I pack my bags to go to work, it’s not work for me. I get to live my dream every single day,” said UMaine student Cody Walker, a commercial pilot at New England-based aircraft company PlaneSense. “This club made it possible for me to get a professional pilot job before I even got my bachelor’s degree,” he said. Club members go through ground training before flying the club’s two Cessna planes based at the Bangor International Airport, and can access these resources at nearly half the cost of most charter services, according to WVH. “We like to keep our rates really low, so that anybody and everybody can come join,” said David Stansfield, the club’s president. “It’s really amazing that as college students, we’re able to jump in an airplane on a weekend and go somewhere,” said Riley Bartash, vice president of the club. “For someone that has always maybe had that feeling that, ‘Maybe I wanna fly airplanes one day, I think that would be kinda cool to try out,’ jump out of your comfort zone and do it, because it might be something you get really excited about,” Walker said.

#### **WABI interviews Molloy about nutrition and health**

**08 Mar 2019**

[WABI](#) (Channel 5) interviewed Eileen Molloy, director of the Didactic Program in Nutrition and Dietetics, lecturer in human nutrition, and undergraduate program coordinator for the University of Maine’s School of Food and Agriculture. As a registered dietitian nutritionist and current president of the Maine Academy of Nutrition and Dietetics, Molloy’s mission is to “serve the public through the promotion of optimal nutrition, health and well-being, while empowering our members to be leaders in food and nutrition.” Molloy spoke about a variety of nutrition-related topics, including personalized nutrition, the connection to health, the misconception that eating healthy is too expensive, and ways people can find a registered dietitian in their area.

#### **National Geographic reports on Antarctica research expedition by Hall, grad student**

**08 Mar 2019**

[National Geographic](#) reported on research conducted at Thwaites Glacier in Antarctica by Meghan Spoth, a master’s student in the University of Maine School of Earth and Climate Sciences; her adviser Brenda Hall, a professor in the School of Earth and Climate Sciences and Climate Change Institute; and researchers from other universities. As part of the International Thwaites Glacier Collaboration, the team is investigating the disintegration rate of the glacier in the past to inform more accurate models of how fast sea levels will rise in the coming century, the article states. The mission is notable for more than just the research — 16 of the 57 total members on the expedition are women, including nine out of the 22 scientists, making it part of a larger effort to expand the role of women in the historically male-dominated field of polar science, according to National Geographic.

#### **Hess speaks with WVH about flu research**

**08 Mar 2019**

[WVH](#) (Channel 7) spoke with Sam Hess, a professor of physics at the University of Maine, about his research on new ways to combat the influenza virus. “We’re trying to find a way to attack the virus that doesn’t depend on those mutations that happen from year to year,” Hess said. His team discovered a cell lipid that interacts with a surface protein on cells, a connection that could lead to new therapies for the infection, WVH reported. “If we do find a way to block the interaction with a drug, that the virus can’t mutate out of it because it’s a part of the virus that’s not changeable, and if the drug works, then the virus dies. If the virus tries to mutate out of it, the virus may die on its own,” said Hess, who noted the goal is to have a treatment that always works as a backup, but that the vaccine would still be a good idea in the long run to prevent people from becoming ill in the first place. “But this would be if your vaccine didn’t work, you’d have something to stop people from getting so sick,” he said.

#### **Residence Hall Association students win awards at conference**

**08 Mar 2019**

Nine students from the University of Maine’s Residence Hall Association represented UMaine at the North East Affiliate of College and University Residence Halls (NEACURH) Spring Leadership Conference held March 1–3 at Northeastern University. The conference offers students training on programs they can take back to their campuses on topics such as sustainability, leadership and development, self-care and other relevant topics for college students. The UMaine delegation won first place for their group display “UMaine RHA: Discovering New Communities Everyday.” The display was a 3D model with the theme “Marty Goes Global,” featuring a suitcase with images of residence life and the group’s role on campus. Aiden Ciaffaglione, a second-year sociology and political science double major and Oxford Hall resident assistant, was one of the student participants. Ciaffaglione won a second-place award in the Top 3 Passive Programs category. He created an interactive bulletin board-style program called “A Bob Ross Guide to a Self-Loving Life,” a booklet that RAs and residents could use to gain skills in self-care while attending college. In addition, Ciaffaglione and fourth-year electrical engineering major Brandon Richards received two-year service pins for their involvement in NEACURH. The RHA students who attended the conference were supported by UMaine’s Auxiliary Services through financial sponsorship and resources including transportation.

#### **Sandweiss participates in drafting SAA tenure and promotion guidelines for archaeologists**

**08 Mar 2019**

Daniel Sandweiss, professor of anthropology and climate studies, served as Society for American Archaeology board liaison to the SAA Task Force on Guidelines for Promotion and Tenure for Archaeologists in Diverse Academic Roles. A news release about the guidelines is [online](#).

#### **UMaine Extension offers resources for maple syrup season**

**11 Mar 2019**

Maine Maple Sunday is March 24, and tapping maple trees is a sure sign of spring. A typical season for maple producers is a cold January and February, with trees being tapped in mid- to late February or early March depending on where in the state a sugar bush is located, according to Kathy Hopkins, a maple syrup expert with the University of Maine Cooperative Extension. After tapping, the nighttime freezing and daytime thawing of the trees produces a sap flow that can be boiled down into maple syrup. Daytime temperatures from 40–45 degrees Fahrenheit and nighttime temperatures in the mid-20s produce the best syrup, she says. Despite the recent snow and cold temperatures, Hopkins says the forecasted weather conditions for the second week of March should get the sap flowing around the state. The state has about 450 licensed producers of maple syrup and syrup products, according to Hopkins, as well as many hobbyists making syrup in smaller quantities for home use. UMaine Extension offers several maple-related publications and videos through its [publications catalog](#), including:

- [How to Tap Maple Trees and Make Maple Syrup](#)
- [Maple Syrup Quality Control Manual](#)
- [Licensing and Regulations for Maple Syrup Processing in Maine](#)

UMaine Extension also has produced videos that demonstrate how to tap a tree and test the quality of homemade maple syrup:

- [How do I Tap a Maple Tree?](#)
- [Tapping a Maple: Testing Quality](#)

## Maine Bound hosts boat nights, WVII reports

11 Mar 2019

[WVII](#) (Channel 7) reported the Maine Bound Adventure Center at the University of Maine hosts indoor boat nights in the winter, with the last event of the season on March 10 this year. People are welcome to bring any paddle crafts to the Wallace Pool in the Memorial Gym to enjoy the water. “This is an open boat night for the community of white water rafters and canoers. We have this event so they can practice their flat water skills like rolling and bracing, or general strokes,” said Hank Gilson, a Maine Bound employee. Maine Bound holds white water clinics in the spring, WVII reported.

## VillageSoup previews spider talk by Kirby

11 Mar 2019

[VillageSoup](#) previewed a talk by Clay Kirby, an associate scientist and insect diagnostician with University of Maine Cooperative Extension, about the diversity of Maine’s spider species at noon March 19 at the Merryspring Nature Center in Camden. The lecture is part of the Winter Talk series. Admission is \$5 or free for members of the center. For more information, email [info@merryspring.org](mailto:info@merryspring.org) or call 236.2239.

## Maine Sea Grant to partner in hosting Seaweed Week, Mainebiz reports

11 Mar 2019

[Mainebiz](#) reported University of Maine Sea Grant is a partner in launching the first ever seaweed-focused restaurant week in North America, scheduled for April 26–May 4 in Portland. Seaweed Week will feature sea greens on menus at restaurants, bars, breweries and distilleries, and also will include kelp farm tours, cooking demonstrations and more, the article states. Other partners include the University of New England, Maine Seaweed Council, Island Institute and Maine Food Strategy, as well as kelp farmers, wild harvesters and value-added producers.

## Mount Desert Islander advances March 14 talk by Stack

11 Mar 2019

[Mount Desert Islander](#) reported Lois Berg Stack, professor emerita of sustainable agriculture at the University of Maine, will give a presentation on native plants at 1 p.m. March 14 at the Birch Bay Village Inn as part of the Bar Harbor Garden Club’s monthly meeting. The talk will encompass some types of native plants, how they can contribute to a landscape, and where to find reliable information about them. The meeting is free and open to the public; nonmembers are asked to reserve a spot by emailing [rsvp@barharborgardenclub.org](mailto:rsvp@barharborgardenclub.org) or calling 460.8496.

## BDN reports UMaine representatives to participate in Maine Science Festival

11 Mar 2019

The [Bangor Daily News](#) reported representatives from the University of Maine will participate in the annual Maine Science Festival, slated for March 13–17 in the Bangor area. Among the UMaine participants are Han Tan and Kristy Townsend, who will host a Science on Tap event about CRISPR software with scientists from the Jackson Laboratory at 7 p.m. March 14 at Black Bear Brewery in Bangor; Fayeza Ahmed, who will speak about the science of aging with experts from the Jackson Lab and Maine AARP at 11 a.m. March 16 at the Cross Center; and Qian Xue, who will give a presentation with local voice teachers on the science of voice at 3 p.m. March 16 at the Cross Insurance Center. A full schedule of events is [online](#). [The Maine Edge](#) also previewed the festival, noting that the University of Maine Museum of Art is a partner as part of an effort to link science with the arts.

## Kennebec Journal quotes Hopkins about start of maple season

11 Mar 2019

The [Kennebec Journal](#) quoted Kathy Hopkins, a maple syrup expert with University of Maine Cooperative Extension, in an article about the beginning of maple season in Maine. “If we have warm days, in the 40s or so, and it’s cold at night, we should have many good sap days,” said Hopkins. “Looking at the weather forecast, next week looks like there should be some good sap run days. I think most people will begin (getting sap) next week. It all depends on getting favorable weather between now and early April.” Most maple producers in Maine are still waiting for the sap to flow, according to the article. “This year has been pretty slow so far, compared to the last few years, because we have had so much snow and cold weather,” Hopkins said. “Some, especially in Aroostook County and even some in Kennebec County, have had to dig out their lines because they were covered in snow. But it’s March, so people will be out tapping, if they’re not already completely tapped. They’ll be out in the woods.” Maine Maple Sunday will be held for the 36th year on March 24, when maple producers will open their facilities to the public for tours, demonstrations, samples and other activities, according to Hopkins, who noted the apparent increasing number of people collecting and boiling sap as a hobby. The [Portland Press Herald](#) carried the Kennebec Journal article.

## Sandweiss featured in Science Channel documentary episode on pyramids

11 Mar 2019

Daniel Sandweiss, a professor of anthropology and quaternary and climate studies at the University of Maine, was featured in Season 3, Episode 2 of the [Science Channel](#) documentary series “Unearthed.” The episode is titled “Lost Pyramids of the Americas.”

## BDN interviews Moran for article about choosing fruit trees

11 Mar 2019

The [Bangor Daily News](#) interviewed Renae Moran, an associate professor of pomology and tree fruit specialist with University of Maine Cooperative Extension, for the article “How to choose the right fruit tree for your yard.” Moran recommends people consider the winter hardiness of fruit trees and the length of their growing season — trees with shorter growing seasons are more likely to thrive in Maine. “Apples are widely adapted to all the coldest regions of Maine. Sour cherries also seem to do well,” Moran said. But some fruit trees can be difficult to grow without pesticides. “To protect the fruit from pests is a little more challenging. Usually when you do it in the backyard, the fruit quality is not the same because of all the insects,” said Moran, who recommends peaches and pears for people who do not want to use pesticides on backyard trees. She also advised selecting varieties with the best disease resistance, and contacting a local nursery for more area-specific information. “Do some research on the many different varieties available and the nurseries that sell them. They have a lot of good information on how to grow fruit trees and the different types that are available,” said Moran, adding that it’s best to buy and plant a tree in late April or early May. “It just gives the tree a chance to establish a good root system before summertime.” To protect the tree from wildlife, Moran suggests using a small fence, cage or repellent such as hanging heavily scented bars of soap from the branches. And she said people should be realistic about the outcomes. “One of the expectations is that a fruit tree is supposed to live forever, and that’s simply not true,” said Moran. “A lot of people haven’t made that leap to the idea that fruit trees also need to be replanted when they die. People get discouraged.”

## Learn about best greenhouse practices March 20 in Gorham

12 Mar 2019

A workshop on best greenhouse practices for new and experienced growers will be held 8 a.m. to 3:30 p.m. March 20 at O’Donal’s Nursery and Garden Center in Gorham. The event is sponsored by University of Maine Cooperative Extension and the Maine Department of Agriculture, Conservation and Forestry. Presentation topics will include greenhouse heating and ventilation systems, biocontrols, overviews of production practices and plant health. Hands-on activities will range from diagnosing plant diseases and working with biocontrols, to touring the new on-site geothermal greenhouse. Speakers will include UMaine Extension specialists, the owner of O’Donal’s Nursery, and industry experts. The \$25 fee includes lunch; four pesticide credits will be available. Online registration is required by 5 p.m. March 15. For more information or to request a reasonable accommodation, contact Terri Eldridge, 581.3878; [theresa.eldridge@maine.edu](mailto:theresa.eldridge@maine.edu). More information also is [online](#).

## Marketplace quotes Strout in segment on school nurse shortage

12 Mar 2019

[Marketplace](#) quoted Kelley Strout, an assistant professor of nursing at the University of Maine, in a segment on the shortage of school nurses in the state. According to the CDC, rates of diseases like diabetes and epilepsy, and mental health needs, have increased in children over the past few decades. But fewer than 40 percent of schools employ full-time nurses, Marketplace reported. Maine's rural and high-poverty areas bear a heavier burden, and a statewide nursing shortage is projected to grow to 3,000 nurses by 2025, the report states. Strout said some parts of the state with the worst health outcomes have the fewest school nurses — for example, one tiny school district has a nurse who covers seven school buildings and only comes once a month. "The issue is so clear that there's resource disparity across the state," Strout said. "How do you fix it? How do you level it out? Especially when it comes to our health?" Some schools are considering models to share nurses with local hospitals, and in the meantime most are filling the gaps by training custodians, bus drivers, administrative assistants and others in basic first aid, according to Marketplace.

## Science360 features UMaine Today video on STEM education, RiSE Center

12 Mar 2019

A University of Maine video on the Maine Center for Research in STEM Education, or RiSE Center, was featured on the National Science Foundation's [Science360](#). The UMaine center connects with educators statewide, at all levels, to advance innovative and engaging hands-on teaching and learning. The video was produced with a [UMaine Today](#) magazine story on the center. The Science360 Video Library gathers the latest science videos provided by scientists, colleges and universities, science and engineering centers, the NSF and more.

## Camire, Nayak quoted in HuffPost article about organic food myths

12 Mar 2019

[HuffPost](#) quoted the University of Maine's Mary Ellen Camire, a professor of food science and human nutrition, and Balunkeswar Nayak, an associate professor of food processing, in the article "Organic Snacks Aren't Necessarily Healthier Than Junk Food. Here's Why." Eating organic food has numerous benefits, including limiting exposure to chemical pesticides and herbicides, synthetic substances and additives like artificial food dyes, and antibiotics and hormones in animal products. But organic versions of popular junk food snacks are not necessarily "healthier" and often are still high in sugar and low in protein and fiber, which makes them less filling, the article states. And organic junk food can still contain refined sugars and starches, which can cause health problems if consumed in excess. "The specific source of sugar may not be very important to the person's overall health," said Camire. "Long-term high consumption of fructose from any source — organic or not — can lead to insulin resistance, fatty livers and many other health problems, and so can excessive sucrose consumption, whether the sugar comes from cane sugar or beets." And many of the nutritional benefits of organic crops are lost in processing, the article states. "Depending on the intensity and severity of the food processing, nutritional content including vitamins and minerals will be degraded in the processed food," Nayak said. For example, in packaged cookies "the baking temperature of dough is high enough to degrade or destroy most of the nutrients. Hence, it does not matter whether the wheat flour is organically or conventionally grown," Nayak added.

## U.S. News & World Report ranks UMaine among best grad schools for education

12 Mar 2019

U.S. News & World Report's annual list of the top graduate schools in various fields once again ranks the University of Maine College of Education and Human Development among the best schools for education. For 2020, [UMaine ranked 127](#) out of more than 200 schools considered by U.S. News & World Report. The university is the only institution in Maine and one of a handful of colleges from New England to make the list for education. The rankings are based on expert opinions and factors such as student-faculty ratio, research activity, and student selectivity. The College of Education and Human Development has more than 20 graduate programs, from graduate certificates to master's and doctoral degrees. Earlier this year, U.S. News also recognized the college for having one of the country's [best online graduate programs](#) for education.

## Riordan's bicentennial talk to be broadcast around state

12 Mar 2019

A presentation on the roots of statehood in advance of Maine's bicentennial in 2020 by Liam Riordan, a professor of history at the University of Maine, will air on Harpswell TV at 7 p.m. March 15. Riordan gave the talk, "Bicentennial Beginnings: Setting the Stage for Statehood," Feb. 8 in Brunswick. The broadcast also is slated to be shown on local public access channels in about 40 towns from Fort Kent to Wells to mark Maine's 199th birthday.

## Office of Innovation and Economic Development offering commercialization workshops

12 Mar 2019

The University of Maine Office of Innovation and Economic Development is offering workshops for faculty, staff and students interested in doing research with companies or turning their research into innovations for the public. The commercialization workshops are part of the University of Maine System Innovates series. Participants can earn a completion certificate by attending the four core workshops and two electives. The upcoming core workshop, Intellectual Property and Know-How, will be held 9:30–11 a.m. March 13 at the Foster Center for Student Innovation. The workshop is meant to give faculty, staff and students a broad overview of intellectual property by diving deep into the types of protection. The workshop also will go over standard operating procedures for various commercialization scenarios and the rights and responsibilities of UMaine faculty and researchers. Scheduled speakers are Jake Ward, UMaine's vice president for innovation and economic development, and Dave Robertson, patent attorney at Leber IP Law. RSVP [online](#). Other upcoming events in the University of Maine System Innovates series include: Intro to Commercialization April 4, noon–1:30 pm Attendees will learn the fundamentals of research commercialization in a university setting, understand the various pathways to the marketplace, get exposure to campus resources designed to assist faculty, and learn about additional professional development offerings planned for the year. More information and registration is [online](#). Idea Validation April 10, 2–3:30 p.m. New innovations based on cutting-edge research have a high failure rate because they focus on the wrong needs or even the wrong end user. Attend the idea validation workshop to learn how you can use Innovation Engineering tools to test your assumptions and validate their alignment with end-user needs, wants and expectations. More information and registration is [online](#). Elective workshops include:

- Grant Writing and Funding Pathways, noon–1:30 p.m. April 18
- Commercialization in Education, Social Sciences, Humanities and Arts, 8–9:30 a.m. April 30
- Entrepreneurial Businesses: The Beginning, Middle and End, fall 2019
- SBIR/STTR Workshop, fall 2019
- Industry Collaborations and Licensing, fall 2019
- Ethics in Commercialization, fall 2019

## To ID Acadia's climate-vulnerable plants, McDonough MacKenzie hit the hiking trails

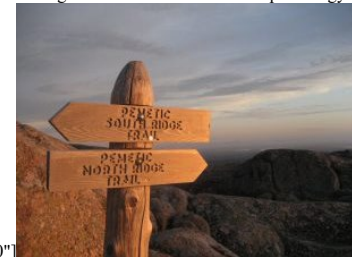
12 Mar 2019

National Park Service managers wanted to identify plants that might be vulnerable in Acadia National Park, but they didn't have decades of flowering and leaf-out observations for researchers to analyze. So Caitlin McDonough MacKenzie and colleagues took an innovative approach. In four years, they collectively hiked three mountains — Cadillac, Pemetic and Sargent — in Acadia 180 times, about 15 times per mountain per year, to collect decades' worth of data. McDonough MacKenzie hit the trails 125 times. [caption



id="attachment\_65860" align="alignright" width="225"]

Starflower[caption] McDonough MacKenzie — who completed the research as a doctoral student at Boston University and is now the David H. Smith Conservation Research Fellow at the University of Maine Climate Change Institute — recorded more than 20,000 observations of flowering and leaf out for 30 species. With her field assistants, she determined that most plants in Acadia National Park track spring temperatures, and bloom and leaf out earlier in warmer spots and warmer years. Flowering is advancing two to six days for each degree Celsius (1.8 degrees Fahrenheit) of warmer temperatures, and leaf out is advancing two to three-and-a-half days per degree Celsius, says McDonough MacKenzie. Many of Acadia's plants, including lowbush blueberry, bunchberry and starflower, grow at all elevations, from the trailheads to the summits. "It's not as simple as the bottom of the mountain leafs out, and then spring evenly spreads uphill," she says. "We found that sometimes high-elevation sites have warmer temperatures or sometimes the southern aspect is cooler than the northern aspect. But, wherever the warmest sites are in a given year, that's where we are most likely to see the first leaf out and flowering." The timing of flowering and leaf out is tied to ecosystem services and interactions — like herbivory (feeding on plants) and pollination — and it's important to the timing of management actions, including invasive species control. McDonough MacKenzie says data from repeat hikes can help managers refine climate change vulnerability assessments. Other studies have shown a plant's ability to track spring temperatures and that advance flowering in warmer years is correlated with population persistence, and plants that do not track spring temperatures are more likely to decline in abundance. "It's not surprising to see plants shifting their leaf out and flowering with spring temperatures. We see this over and over again in other places and other species," McDonough MacKenzie says. "But, it's great to be able to capture this trend relatively quickly, without the advantage of a (Henry David) Thoreau or an Aldo Leopold notebook providing decades of data. Park managers need information on the phenology in their parks, but most



places don't have a set of Thoreau records just hanging out in the archives, waiting for a climate change researcher to come along." [caption id="attachment\_65861" align="alignleft" width="300"]

Trail signs in Acadia

National Park[caption] Most of the species that the team studied tracked changes in temperature, but starflower did not, which suggests it may be vulnerable to future changes in climate in Acadia, says McDonough MacKenzie. Moreover, species' flowering and leaf-out shifts in Acadia National Park weren't necessarily the same as they were in Thoreau's home of Concord, Massachusetts. Some species tracked temperatures better in one place than the other. Abraham Miller-Rushing, science coordinator for Acadia National Park and a co-author of the study, says this approach to assessing phenology — the timing of seasonal biological events — can help conservation biologists and resource managers protect natural resources in a changing environment. "Phenology is critical to ecosystem services, interactions between species, like plants and pollinators, and to the timing of management actions," he says. "Most protected areas don't have long-term data, but this trails-as-transects approach could generate the necessary data in just a few years." The study was designed to follow popular hiking trails so citizen science volunteers can continue the research, observing future flowering and leaf out. The researchers found that monitoring the North Ridge Trail and South Ridge Trail up and down Cadillac Mountain was sufficient to capture trends in phenology. Richard Primack, professor at Boston University and a study co-author, says, "This research is innovative for its use of trails and environmental gradients to quickly collect data that scientists and managers need — data that scientists or volunteers could collect." The researchers say this type of intensive monitoring — hiking the same trails over and over again — can be replicated in other protected areas with environmental gradients to quickly build robust data sets for land managers. The study, "Trails-as-transects: phenology monitoring across heterogeneous microclimates in Acadia National Park, Maine," was published in the journal *Ecosphere*. In addition to the study's scientific value, McDonough MacKenzie says she appreciated the opportunity to spend so much time on the mountains. "The solitude of hiking early in the morning, and standing alone on the summit in one of the most popular national parks was really special," she says. "One of the first times I hiked Cadillac, I passed a couple who were eating lunch near the summit and they asked if I had lost something because I was looking down at the plants instead of out at the amazing view. Sometimes when I'm bored or waiting for a doctor's appointment, I'll just hike Sargent in my head, and move through the trail by memory." Contact: Beth Staples, 207.581.3777

#### Pets 4 Vets benefit dodgeball tournament to be held March 31

13 Mar 2019

Pets 4 Vets, a benefit dodgeball tournament and bake sale to raise money for service dogs for veterans, will be held 1:30–4:30 p.m. March 31 at the University of Maine's New Balance Field House. The dodgeball tournament will feature teams of four; the registration fee is \$5 per person or \$20 per team, which includes local, homemade items from the "wicked good bake sale" table. There also will be a guest speaker. Proceeds will support SOS: Salute of Service, a Searsport-based organization that provides and trains dogs for veterans with post-traumatic stress disorder and injuries. The event is sponsored by Maine Business School Corps, UMaine Army ROTC Black Bear Battalion and UMaine Veterans Association. Visit the website to register or donate. More information is available by calling the Maine Business School, 581.1963, or emailing [mbscorps@maine.edu](mailto:mbscorps@maine.edu).

#### Republican Journal, Penobscot Bay Pilot report Bergerson named Hutchinson Center student services coordinator

13 Mar 2019

[The Republican Journal](#) and the [Penobscot Bay Pilot](#) reported Nancy Bergerson has been selected as coordinator for student services and community education at the University of Maine Hutchinson Center in Belfast. Bergerson's duties will include overseeing all student support services, connecting the center's staff and students with the greater UMaine community, and working with Maine artists to plan and curate exhibits at the center's gallery. She holds a bachelor's degree in media studies and a master's in interdisciplinary studies from UMaine, and is a participant in the 2018–19 UMaine Diversity Leadership Institute, according to the articles. "As a lifelong learner, I fully support the ongoing and self-motivated pursuit of education that our students demonstrate," Bergerson said.

#### Mount Desert Islander speaks with Morse about future of scallop farming

13 Mar 2019

[Mount Desert Islander](#) spoke with Dana Morse, a University of Maine marine Extension associate with Maine Sea Grant and the Darling Marine Center, for the article "Scallop farming's future looks bright." Morse has been a leading proselytizer for scallop aquaculture in Maine, seeking out relatively inexpensive materials for spat (juvenile scallop) collection and grow out, and looking at issues like when and where biotoxins that affect scallops may be prevalent, the article states. Morse was a presenter at the Maine Fishermen's Forum on March 2, which included discussion on the growing scallop farming industry and its benefits and challenges. Nearly 100 people attended the forum, almost all of whom were already involved in growing scallops or were about to be, according to the article. And nearly all of them raised their hands when Morse asked how many knew what a lantern net was (a net divided into levels to allow more space for scallops as they grow). "That wouldn't have happened a couple of years ago," Morse said. [The Ellsworth American](#) also published the article.

## Explore small-scale greenhouses at UMaine Extension workshop

14 Mar 2019

Learn how to extend Maine's short growing season at the University of Maine Cooperative Extension home and small-scale greenhouse workshop 10 a.m.–noon March 21 at the UMaine Extension Piscataquis County office in Dover-Foxcroft. UMaine Extension ornamental horticulture specialist Matthew Wallhead will lead the workshop. Topics will include technical greenhouse specifications and key control factors, including temperature, levels of light and shade, irrigation, fertilizer application and atmospheric humidity, as well as planting schedules and crop selection. The \$10 fee includes materials. Register online. For more information or to request a reasonable accommodation, call 564.3301 or email [anette.moulton@maine.edu](mailto:anette.moulton@maine.edu). More information also is available [online](#).

## Mainebiz reports Scratchpad Accelerator to receive \$150K from Bangor Savings

14 Mar 2019

[Mainebiz](#) reported the Bangor-based Scratchpad Accelerator, run by University of Maine Business School associate professor of management Jason Harkins and serial entrepreneur Lisa Liberatore, will receive a \$150,000 investment from Bangor Savings Bank over three years. The bank was a founding corporate partner of Scratchpad, a seed-stage accelerator business that helps grow startup companies, when it was launched in 2015. Scratchpad has worked with eight companies across the state that were trying to grow to the national or international level and needed outside financing. Those companies have raised more than \$3 million, added hundreds of new customers and created more than a dozen jobs, the article states. "Scratchpad is thrilled to partner with Bangor Savings to be able to support entrepreneurs as they work to get to scale quickly," said Harkins. "Accelerators act as a force multiplier for entrepreneurs helping them grow revenue, customers and ultimately, jobs. Scratchpad could not exist without crucial financial support like what Bangor Savings has committed." Scratchpad plans to use the funding for operational expenses for its third cohort of entrepreneurs in the fall, Mainebiz reported.

## Pine Tree Watch speaks with Hunter about climate corridor

14 Mar 2019

[Pine Tree Watch](#) spoke with Malcolm Hunter, a professor of wildlife ecology and Libra Professor of Conservation Biology at the University of Maine, for an article about the environmental effects of the proposed New England Clean Energy Connect transmission line that would run from Quebec to Massachusetts. The energy corridor would cut through a natural ecosystem band along the northern Appalachian Mountain region, which supports abundant wildlife in one of the world's last intact temperate broadleaf forests, the article states. And the region has been recognized as one of the most resilient landscapes in the eastern United States, which partially depends on maintaining interconnected habitats. "Movement is the main way that individuals and ultimately entire populations respond to climate change," Hunter said. "Forest fragmentation that impedes movement would likely make Maine's native flora and fauna more vulnerable to climate change." Hunter acknowledged the northern Appalachian region is not a "pristine wilderness," but logging roads in the area are "temporary features" that still allow wildlife to move around. The transmission line would be permanent and impose a level of change that is unprecedented, the article states. According to Hunter, such clear-cuts create abrupt habitat transition with typically warmer, windier and drier conditions than the forest interior. The development could provide an opportunity for invasive species to flourish, and bring along with it herbicide applications, electromagnetic radiation and aircraft warning lights. Hunter estimated an "edge effect" of 330 feet surrounding the proposed corridor could expand into and affect at least 5,000 adjoining forested acres.

## Maine Public quotes Fernandez in report on emissions bill

14 Mar 2019

[Maine Public](#) quoted Ivan Fernandez, Distinguished Maine Professor in the Climate Change Institute and School of Forest Resources at the University of Maine, in the report "New Bill Aims to Drastically Reduce Maine's Greenhouse Gas Emissions." Scientists, activists and others are supporting a bill that would dramatically reduce Maine's greenhouse gas emissions over the next 30 years. The proposal is an update to the state's 2004 climate plan, with a goal of an 80 percent reduction in emissions by 2030 — below 1990 levels — and a 100 percent reduction by 2050. "In Maine today we have warming temperatures, shorter winters, less snow, a longer growing season, rising sea levels, the fastest warming oceans on the planet, intensifying storms, an increasing uncertainty and variability in the weather that burdens communities and businesses across Maine," Fernandez said. "Most of these trends are accelerating."

## BDN interviews Jacobs about recess policy study

14 Mar 2019

The [Bangor Daily News](#) interviewed Lauren Jacobs, a lecturer in kinesiology and physical education at the University of Maine, about her recent study on different elementary school policies for outdoor recess. "I already knew going into it that schools have varying recess policies, so I wanted to understand where these policies were coming from," said Jacobs, who looked into the temperature thresholds at which schools cancel outdoor recess, and whether the schools keep track of when they cancel. Jacobs found that most schools in northern Maine cancel outdoor recess when the temperature drops below zero, while coastal schools typically canceled outdoor recess at temperatures between 11 and 20 degrees. When some Bangor-area schools cancel outdoor recess, they keep kids active in indoor spaces like classrooms and gyms, according to the article. Jacobs said she believes Maine winter is not extreme enough that schools should cancel outdoor recess, and that schools should keep track of how often they cancel and make efforts to reduce that number. "I'd encourage schools to think of creative solutions, ways to overcome those challenges rather than say, 'We can't go out,'" Jacobs said. [Fiddlehead Focus](#) and [The County](#) published the Bangor Daily News article.

## As climate continues to warm, study finds several barriers to northward tree migration

14 Mar 2019

Extensive land development, invasive species and too many deer may make it difficult for tree migration to keep pace with climate change in the Northeast, according to newly published research. The study, led by Kathryn Miller, a plant ecologist with the National Park Service Inventory and Monitoring Division, and Brian McGill, a University of Maine professor of ecological modeling, analyzed U.S. Forest Service data covering 18 states from Tennessee to Maine. The researchers found a large swath of land in the mid-Atlantic states that was severely lacking in forest regeneration. Even where present, species regenerating on the forest floor were different than those making up the forest canopy. Earlier studies have raised concern about regional regeneration, but this is the first to document the sheer extent and severity of the problem, according to Miller, who recently earned a Ph.D. from the UMaine School of Biology and Ecology. Coining the term "regeneration debt" to describe this phenomenon, the researchers found the region simultaneously faces challenges of increasing invasive plants, deer overabundance and heavy land development by humans. The zone of regeneration debt raises questions about the future of forests in the immediate region, but also far into the northeastern U.S., according to the researchers. "I monitor forest health in eastern national parks, many of which have the same issues of overabundant deer, regeneration failure and mismatch, and numerous invasive plants," Miller says. "At some point, I started to connect the dots geographically and began to wonder if these problems are restricted to our parks or if they were a symptom of a larger regional problem. Recognizing that this is part of a larger regional issue was both a relief that it wasn't only us, and distressing at just how widespread the problem is." Miller and McGill say combining this research with a 2018 study they conducted raises even more concerns. The earlier study simulated a century of seed dispersal for 15 tree species across the eastern U.S. while taking into account current land development patterns. "Our dispersal simulations revealed an area in the mid-Atlantic region with such extensive human land use that tree dispersal was effectively blocked from moving northward. The species most affected by this dispersal barrier are the same oak, hickory and pine species we found to be experiencing severe regeneration debt," Miller says. "Without intervention, we can expect long-term declines in forest cover in the region, and it will become a significant barrier against climate-driven tree migration. In fact, this may already be occurring, as migration studies have yet to detect a strong signal of northern expansion for these tree species." The new study, "Compounding human stressors cause major regeneration debt in over half of eastern US forests," was published online in the Journal of Applied Ecology. Contact: Elyse Catalina, 581.3747

## First field hockey endowment established at University of Maine Foundation

14 Mar 2019

Longtime friends of University of Maine Athletics, Susan G. Randall '89 and Tony Randall, have established the first endowment for UMaine's field hockey team, benefitting one of the university's most successful athletic programs for years to come. "Sue and Tony have been great supporters of UMaine Athletics for many years," University of Maine Director of Athletics Ken Ralph says. "This gift shows the depth of their commitment to the women in this program and supports our continued efforts to provide all of our students with a great experience in Division I athletics." The Randalls have been a staple with the UMaine Athletics community since the 1980s, providing food for banquets and items for auctions to raise money for the field hockey program, along with the annual Bears 'n Claws Lobster Dinner to support women's basketball. After working in UMaine's central administration for 25 years, Sue Randall joined the Athletics Department as an athletic business manager in 1995. She was promoted to assistant athletic director for business, serving in that position until her retirement in 2015. When field hockey head coach Josette Babineau was hired in 2007, Randall was an athletic administrator for field hockey. The endowment will help the program with operation costs, and donations to the fund will benefit the program for the long term. The field hockey team had a successful 2018 season, finishing with a 16–5 overall record, advancing to the America East Championship game for the second time in the last four seasons. The high-octane Maine offense ranked fifth in the nation in goals per game (3.57 goals) and 13th in the country in goals allowed per game (1.38). Maine was nationally ranked the entire campaign, finishing No. 19 in the final Penn Monto/NFCA Coaches Poll of the season. The year marked the fifth time in the last eight seasons that the Black Bears ended the season nationally ranked. To donate to the Susan G. '89 and Anthony L. Randall Field Hockey Fund, visit the University of Maine Foundation [website](#). The full news release is [online](#).



## Bangor Region Chamber of Commerce requesting feedback on public transit

15 Mar 2019

The city of Bangor and its municipal partners Brewer, Hampden, Old Town, Orono and Veazie have launched a study to improve the effectiveness and efficiency of the Community Connector public transit system. Community Connector buses carry riders to work, school, shopping and on other trips six days of the week. More than 800,000 trips were taken on public transit in 2017 in the Bangor region, supporting its economy while providing an essential service to those who need it most. Members of the UMaine community are invited to fill out a survey [online](#) about their perspectives on transit in the Greater Bangor area. Survey results will provide the Community Connector and its consultant, Stantec, with a broad spectrum of opinions from the region's population, and will inform actions to improve public transit for those who live and work in or visit the Greater Bangor region. For more information about the study, email [feedback@bangortransit.study](mailto:feedback@bangortransit.study).

## Morning Ag Clips, Piscataquis Observer preview UMaine Extension small ruminant health workshop

15 Mar 2019

[Morning Ag Clips](#) and [The Piscataquis Observer](#) previewed a University of Maine Cooperative Extension small ruminant health workshop 1–4 p.m. April 13 at the Foxcroft Large Animal Veterinary Associates (FLAVA) Clinic in Dover-Foxcroft. The second annual workshop will focus on building awareness of disease and learning screening techniques for sheep, goats, alpacas and other small ruminants. Participants must dress for the weather and wear shoes that can be disinfected on-site, the articles state. Youth under the age of 12 must be accompanied by an adult. The workshop is free, and online registration is required.

## VillageSoup, Morning Ag Clips advance UMaine Extension tractor safety course

15 Mar 2019

[VillageSoup](#) and [Morning Ag Clips](#) announced University of Maine Cooperative Extension will partner with Knox-Lincoln Farm Bureau, Union Farm Equipment and Farm Family Insurance to offer a tractor safety course 6–8 p.m. Wednesdays, April 3–24 at Union Farm Equipment. The course is designed for adults and youth at least 14 years of age, and required for 14- and 15-year-olds who plan to operate farm equipment for hire on farms other than their own. A written exam and tractor-driving test will be held at 9 a.m. May 4; participants who successfully complete the tests will receive a Federal Certificate of Training. The course fee is \$20 per person. Need-based financial assistance is available for students 18 and under, and registration is online with a deadline of March 25. For more information, contact Pamela Doherty, 800.244.2104; [pamela.doherty@maine.edu](mailto:pamela.doherty@maine.edu).

## Penobscot Bay Pilot, Republican Journal announce Hutchinson Center summer registration open

15 Mar 2019

[Penobscot Bay Pilot](#) and [The Republican Journal](#) announced summer registration is now open at the University of Maine Hutchinson Center in Belfast for undergraduate and graduate courses. More than 200 courses are available through the center, both live and online, with topics including basic biology, molecular chemistry, educational leadership, college composition, creative writing, literature for children, U.S. history, integrated science and career exploration, mathematics, general psychology and more. A complete list is [online](#). Need-based scholarships are available, and applications must be received no later than two weeks prior to the start of the course, the articles state. For more information about registration and scholarship opportunities, or to schedule an advising appointment, contact Nancy Bergerson, 338.8049; [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu).

## VillageSoup reports on grad student's involvement with shellfish research

15 Mar 2019

[VillageSoup](#) reported the Waldoboro Shellfish Committee will receive a \$6,700 grant for its Maine Shellfish Restoration and Resilience Project, which involves moving clam seeds to a safer location along the Medomak River. University of Maine graduate student Gabrielle Hillier is working on a mapping project connected to the shellfish project, deploying drifters to map tidal currents and measure temperature, salinity, light intensity, pH and dissolved organic carbon. The combination of projects will help determine the best placement for clam seeds so they can thrive, the article states. The Shellfish Committee will seek out interns or researchers from UMaine to monitor the growth and development of the clams.

## Brzozowski, Carlson recent guests on WGAN's 'Positively Maine' podcast

15 Mar 2019

University of Maine Cooperative Extension employees Richard Brzozowski, food system program administrator, and Lani Carlson, Maine AgrAbility coordinator, were recent guests on [WGAN's](#) "Positively Maine" podcast. The show focused on Maine AgrAbility, a project dedicated to informing, educating and assisting farmers, fishermen and forest workers with disabilities so they can continue successful careers in agriculture.

## Hopkins speaks with WABI about sap season

15 Mar 2019

Kathy Hopkins, a maple syrup expert with University of Maine Cooperative Extension, spoke with [WABI](#) (Channel 5) about the start of sap season. "You can't hurry Mother Nature," Hopkins said. "The sap doesn't really start to run until the temperatures during the day are 40 or 45, and you need the temperature to go down below freezing at night. That's what stimulates the sap to flow in the trees." That's one reason the season hasn't really started and most of Maine's approximately 450 licensed maple syrup producers are waiting to begin operations, according to WABI. "A few producers have made a small amount of syrup. It's mostly down in the southern part of the state, but most people are still waiting," Hopkins said. "I think that the sap season will be quite good. I think that there will be a lot of syrup made, and I think it'll be a great year."

## Maginnis awarded NIH grant to examine virus fatal in people with weakened immune systems

15 Mar 2019

More than half the human population is infected with a virus that resides undetected in the kidneys of healthy people. But when a carrier of the human JC polyomavirus, or JCPyV, has a weakened immune system, the virus can migrate to the brain, where it becomes fatal. The virus spreads through contaminated food or water and from person to person — as it settles in a person's urinary tract and bone marrow and can be shed in urine. The virus stays in these sites for a lifetime, and many people never know they have it, says Melissa Maginnis, assistant professor of microbiology at the University of Maine. In people with weak immune systems, the virus can travel to the brain and cause a serious infection called progressive multifocal leukoencephalopathy (PML), which damages the outer coating of nerve cells, causing permanent disabilities and death. Maginnis examines the biology of JCPyV seeking to identify ways to prevent the virus from causing PML in people with suppressed immune systems. She has been awarded more than \$435,000 through the National Institutes of Health Research Enhancement Award (AREA) program for the project, "Characterization of viral receptors and signaling networks in JC polyomavirus infection." AREA projects support meritorious research and provide research opportunities for students. Maginnis, a recipient of the 2018 UMaine Graduate Mentor of the Year Award, is dedicated to providing high-quality student training opportunities in biomedical research. [The Maginnis Lab](#) supports the efforts of undergraduate and graduate students examining how the virus invades host cells. "This research will pave the way forward to better understand how viruses are able to sneak into cells and cause infection," Maginnis says. "This NIH award represents hard work and contributions from my entire team, and we are very excited to continue moving this research forward." The team hopes its findings will improve the understanding of JCPyV and possible treatments for PML, and enhance the knowledge of how viruses invade cells, which can be applied more broadly to the study of other viruses. It's known that the virus infects glial cells in the brain, which produce the myelin sheath that covers nerve cells. When the virus invades and multiplies in these cells, it damages the protective covering, which impairs nerve transmission. Currently, there's no cure for PML, highlighting the critical nature of the research. People with JCPyV who are immune-deficient are at more risk for developing PML because the virus is able to travel unhindered on a path to the central nervous system. People with HIV/AIDS are at risk for PML, as are people taking immunomodulatory drugs for immune-mediated diseases such as multiple sclerosis. Maginnis and her team recently published an article in the [Journal of Virology](#) that identifies specific components of the cellular pathway usurped by JCPyV to invade cells in the kidney and nervous system. This study, led by Colleen Mayberry, a Ph.D. student in the Maginnis Lab and alum of UMaine's undergraduate program in biochemistry, also was selected as a "Spotlight article" of significant interest in the journal. *Research reported in this publication was supported by the National Institute of Allergy and Infectious Diseases of the National Institutes of Health under Award Number R15AI144686. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health.* Contact: Christel Peters, 207.581.3571

## Josephine Roussell: Ocean steward helps develop oyster sorter

15 Mar 2019

*Editor's note: Story updated June 3.* There are lots of oysters on Josephine Roussell's plate. A few literally, and many more figuratively. The 2018 University of Maine graduate is a research technician on a team designing a sorter for small-scale oyster growers. Aquaculture already provides more than 50 percent of seafood worldwide, according to the National Oceanic and Atmospheric Administration. And in Maine, it's a chance for coastal communities, and fishermen and women to diversify marine economic opportunities. In 2016 in Maine, about 2 million pounds of farmed oysters were valued at more than \$5 million, according to Maine Sea Grant. And in 2017, the Maine Department of Marine Resources issued more than 400 limited-purpose aquaculture permits to more than 100 independent businesses. Roussell is involved with building an affordable, portable, manually powered sorter for growers to organize oysters in batches of similar sizes. Sorting is an essential part of oyster farming maintenance, says Roussell. And it's exceedingly time consuming when done by hand. Last summer, the Long Beach, California native asked oyster farmers affiliated with the Georgetown Aquaculture collaborative to test the first prototype. Roussell, who earned a degree in marine sciences and minored in fisheries, is using the feedback to build a better version. She's teaming on the project with Joshua Stoll, a UMaine assistant research professor and owner of Georgetown Island Oyster Co.; Heather Leslie, director of the Darling Marine Center; John Belding, director of the Advanced Manufacturing Center; and Dana Morse, extension agent with Maine Sea Grant. Since starting the project, which was made possible by funding from SEANET (Sustainable Ecological Aquaculture Network), Roussell has enjoyed eating a few of the saltwater bivalve molluscs, or *Crassostrea virginica*. She can tell by their flavor where in Robinhood Cove the oysters grew. Their taste is affected by the algae they eat, as well as their growing location's water flow, temperature and salinity. The team recently was awarded Maine Innovation, Research and Technology Accelerator (MIRTA) funding. The grant is for research projects — linked to industries important to the state's future — that are en route to becoming commercial products. Roussell crossed the country to attend UMaine because of its top-notch School of Marine Sciences and the immersive, field-oriented [Semester By the Sea](#) program at the waterfront Darling Marine Center in Walpole. In high school, Roussell became fascinated with corals and tidal pool creatures when she was a VolunTEEN at the Aquarium of the Pacific. For Roussell, who was considering a career in pharmaceuticals, the experience was life-changing. "That fueled my passion for the ocean," she says. "I wanted to be an ocean steward. It stuck with me." Roussell, who has a cat named Jaguar, likes the taste of boba drinks, and enjoys making healthy meals on a budget, says it's gratifying to work with oyster farmers who are growing sustainable aquaculture. People interested in learning more about the oyster sorter project can email Roussell at [josephine.roussell@maine.edu](mailto:josephine.roussell@maine.edu) or Stoll at [joshua.stoll@maine.edu](mailto:joshua.stoll@maine.edu).

#### Learn to use 3D printers to make tools at grazing conference

18 Mar 2019

Registration is open for the Maine Grass Farmers Network's (MGFN) annual grazing conference 8:30 a.m.–3 p.m. March 23, at Kennebec County Community College's Alford Campus on Route 201 in Hinckley. Livestock producers are invited to learn about grass-based production and how grazing systems can be profitable and environmentally sound. Morgan Hartman, managing partner of Black Queen Angus Farm, LLC, in Berlin, New York, and co-founder of the Winter Green-Up Grazing Conference, will deliver a keynote about holistic planned grazing. Steve and Seren Sinisi, owners-operators of Old Crow Ranch, will present a virtual tour of their pasture-based livestock operation. Session topics include using 3D printers to make tools, composting manure and mortalities, and climate adaptation strategies. The conference fee is \$60, \$45 for current MGFN or Maine Beef Producers Association members, and \$25 for students 18 years and younger. Lunch and snacks are included. Register online. MGFN is coordinated by producers, with support from University of Maine Cooperative Extension and the Maine Organic Farmers and Gardeners Association. For more information, or to request a reasonable accommodation, contact Richard Kersbergen, 342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu). More information about the conference also is [online](#).

#### Penobscot Bay Pilot, VillageSoup advance Hutchinson Center program on intimate partner violence

18 Mar 2019

The [Penobscot Bay Pilot](#) and [VillageSoup](#) advanced a professional development program about intimate partner violence, to be held 8:30 a.m.–4:30 p.m. May 9 and 10 at the University of Maine Hutchinson Center in Belfast in partnership with New Hope for Women of Rockland. The program is designed for social workers, substance abuse counselors and other mental health professionals, as well as clergy, police officers and first responders, the articles state. The program fee is \$135 per person or \$60 for UMaine students, with need-based scholarships available, and includes continental breakfast and catered lunch. The program will provide 12 contact hours, and will cover topics including foundations of domestic abuse, addressing the lasting impact of domestic abuse, intervention strategies, and trauma-informed and culturally competent responses. For more information, to register or to request a reasonable accommodation, contact Diana McSorley, 338.8093; [diana.mcsorley@maine.edu](mailto:diana.mcsorley@maine.edu).

#### Associated Press reports Lobster Institute will host annual meeting

18 Mar 2019

The Associated Press reported the University of Maine Lobster Institute is hosting the 15th annual Canadian/U.S. Lobstermen's Town Meeting on April 5 and 6 at the Westin Portland Harborview Hotel in Portland. Fishermen in both countries harvest the same species, commonly called the "American lobster" or "Maine lobster," according to AP. The event alternates between Canada and the U.S., drawing lobstermen, dealers, processors, scientists and others. The [Bangor Daily News](#), [WABI](#) (Channel 5) and [U.S. News & World Report](#) carried the AP article.

#### BDN covers Maine Science Festival presentation by UMaine staff

18 Mar 2019

The [Bangor Daily News](#) reported on a University of Maine staff presentation at the Maine Science Festival in Bangor on March 16 in an article about a middle school student who aspires to have his invention patented. Rachel Knapp, a science and engineering librarian at UMaine's Fogler Library, and Renee Kelly, UMaine assistant vice president for innovation and economic development, gave a presentation titled "From Donut Holes to Earmuffs: A (quirky) history of inventions from Maine." Knapp told the audience that to be approved for a patent an invention must be new, useful and not obvious. The first invention from Maine still in use today probably is the doughnut — in 1847, Hanson Crockett Gregory claimed to have invented round pieces of fried dough with a hole in the middle so they would cook more evenly, Knapp said. John F. Blondel of Thomaston patented a device to improve doughnut dough cutters about 25 years later, the article states. The presentation highlighted 10 inventors born in Maine, including Blondel; Chester Greenwood, of Farmington, who patented earmuffs in 1877; Alvin Orlando Lombardo, of Springfield, who patented a steam-driven log hauler in 1907; UMaine professor of crop ecology and management Gregory Porter, who helped develop the Caribou russet potato; and Habib Dagher, executive director of the Advanced Structures and Composites Center at UMaine, who led a team that developed the "Bridge in a Backpack."

#### Mitchell presents 'A Penobscot Journey Through Maine History' at Colby

18 Mar 2019

John Bear Mitchell presented "Notes From Home: A Penobscot Journey Through Maine History" on March 15 at Colby College. Mitchell, a citizen of Penobscot Nation from Indian Island, is a lecturer of Wabanaki studies and multicultural studies at the University of Maine and coordinator of the University of Maine System Office Native American Waiver and Educational Program. As a touring artist, he visited more than 150 schools, and his singing and storytelling have been included in Maine Public Television shows, tribal-sponsored awareness videos, independent films, HBO and Lionsgate productions, and documentaries.

#### Deadline to apply for grants for cultural events March 25

19 Mar 2019

The Cultural Affairs/Distinguished Lecture Series Committee is accepting grant applications from the University of Maine community through March 25 for projects starting on or after April 22. Past awards have supported lectures, Culturefest, the International Dance Festival, exhibits, performances and guest artists. Grants support as much as 50 percent of expenses associated with cultural events that enhance the artistic, cultural and intellectual life of UMaine. The CA/DLS committee accepts applications four times a year. Proposals must be submitted online using the [CA/DLS Grant Application Form](#). Grant application guidelines and more information about the Cultural Affairs and Distinguished Lecture Series are [online](#).

#### Maine Public to air Skylar Bayer's 'Friends in SCUBA' story

19 Mar 2019

[Skylar Bayer](#)'s "Friends in SCUBA" story that she told for [SoundBites](#) will air at 7 p.m. March 24 on Maine Public. Soundbites are "true stories told live by local Mainers and nationally recognized tellers." Bayer, who earned her Ph.D. at the University of Maine, is a marine biologist, producer for [The Story Collider](#), storyteller and science communicator. At UMaine, she examined the secret sex lives of scallops, which in 2013 landed her on [The Colbert Report](#). The alum of the D.C.-based [Sea Grant Knauss Marine Policy Fellowship Program](#) is a [National Academy of Sciences National Research Council](#) postdoctoral research associate at NOAA's [Northeast Fisheries Science Center's Milford Laboratory](#), and is secretary of the [Ecological Society of America's Communication &](#)

[Engagement Section](#). People also can listen to the story [online at Maine Public](#).

## **Republican Journal, Penobscot Bay Pilot advance Hutchinson Center public speaking program**

**19 Mar 2019**

[The Republican Journal](#) and the [Penobscot Bay Pilot](#) reported the University of Maine Hutchinson Center in Belfast will offer “Public Speaking for Business and More,” a professional development program, from 8 a.m.–3:30 p.m. May 3. The program is designed for nonprofit leaders, business leaders, educators, municipal officials, members of the clergy and others interested in becoming better speakers. Participants will learn how to relieve stress associated with public speaking; become skilled in speaking with or without notes; think quickly, speak logically and engage an audience; and use the power of personalized storytelling to increase information retention, the articles state. Program cost is \$195 per person, and includes a continental breakfast and catered lunch; need-based scholarships are available and registration is [online](#). For more information or to request an accommodation or scholarship application, contact Diana McSorley, 338.8093; [diana.mcsorley@maine.edu](mailto:diana.mcsorley@maine.edu).

## **Republican Journal reports registration open for Rural Living Day**

**19 Mar 2019**

[The Republican Journal](#) reported registration is open for Rural Living Day on April 6 at Mount View High School in Thorndike. The event will feature 22 workshops with topics including making traditional Amish sausage, growing ginger and turmeric, beekeeping and creating herbal concoctions, the article states. Organized by the Waldo County Extension Association, part of University of Maine Cooperative Extension, the event is a fundraiser for a college scholarship for Waldo County youth. Registration for some workshops is limited, so participants are encouraged to sign up soon [online](#). For more information or to request a reasonable accommodation, contact Rick Kersbergen, 342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

## **Morning Ag Clips previews UMaine Extension soil workshops**

**19 Mar 2019**

[Morning Ag Clips](#) previewed two University of Maine Cooperative Extension two-part workshops on healthy soils for home gardeners and farmers. “Introduction to soils for farmers and gardeners” will be held 5–7 p.m. March 20 at UMaine Extension in Springvale, and 5–7 p.m. April 2 at UMaine Extension in Falmouth. It will focus on methods for identifying soil texture, improving soil structure and practices for building soil health, the article states. “Building healthy soil for your farm” will be held 5–7 p.m. April 9 at UMaine Extension in Springvale, and 5–7 p.m. April 25 at UMaine Extension in Falmouth. It will highlight farm-scale practices for building soil health, including advanced cover cropping strategies, cultivation equipment and reduced tillage strategies. The cost of each workshop is \$5, and registration is online. For more information or to request a reasonable accommodation, contact Elizabeth Clock, 781.6099; [elizabeth.clock@maine.edu](mailto:elizabeth.clock@maine.edu).

## **Republican Journal advances mindful leadership program at Hutchinson Center**

**19 Mar 2019**

[The Republican Journal](#) advanced a two-day workshop on mindful leadership 8:30 a.m.–3:30 p.m. April 5 and 26 at the University of Maine Hutchinson Center in Belfast. Participants will learn practical ways to bring mindfulness to daily work life, including tools and techniques for implementing mindfulness to enhance focus, clarity, relationships and results at work. The cost is \$215 and includes a light breakfast, refreshments, lunch and materials. Need-based scholarships are available and registration is [online](#). A UMaine certificate in Mindful Leadership will be awarded upon completion and CEUs are available, according to the article. For more information or to request a reasonable accommodation, contact Diana McSorley, 338.8093; [diana.mcsorley@maine.edu](mailto:diana.mcsorley@maine.edu).

## **BDN interviews Birkel about Maine record high temperatures**

**19 Mar 2019**

The [Bangor Daily News](#) interviewed Sean Birkel, Maine State Climatologist and a research assistant professor at the University of Maine Climate Change Institute, for the article “Why Maine is seeing more record high temperatures.” According to a study by the Associated Press, Maine has broken five daytime record high temperatures for every record low temperature since 2010, the BDN reported. “What the study shows is what we would expect in a warming climate. These natural variations are now being superimposed on an overall warming trend that’s being driven by the rise in greenhouse gases,” said Birkel. “The world is warming. The data shows that. But there’s still weather variation. In most places, heat waves are becoming more common, but there can still be cold waves in the winter ... It can be very confusing for people who don’t see the data and work the data all the time like I do.” Birkel explained that people in Maine did not worry much about the warming climate prior to the late 1990s because it wasn’t very noticeable. After a massive El Niño event, the climate became much warmer, especially in Maine, and people started to take note, Birkel said. El Niño refers to fluctuations in ocean surface temperature, particularly warming, that can have large-scale impacts on global weather and climate, the article states. According to Birkel, Maine’s rising imbalance of high to low temperature records likely can be attributed to the state’s proximity to the warming ocean and the Arctic region. “The air coming from the north is now warmer than it ever used to be,” said Birkel. “The summerlike weather [in Maine] tends to last about a week longer than it did about 15 years ago.” And while Maine continues to have cold snaps in the winter, the overall trend shows a warmer state. “You have to bear in mind the larger picture. Just because it gets cold for a week in one place, the overall picture is that the world is warming, that there are more high temperature records being sent than low,” Birkel said. [Maine Public](#) and [The Keene Sentinel](#) carried the BDN article.

## **Inauguration of President Ferrini-Mundy highlights week of activities**

**20 Mar 2019**

The inauguration of University of Maine President Joan Ferrini-Mundy is March 29, capping a week of events leading to the 10 a.m. ceremony in Hutchins Concert Hall at the Collins Center for the Arts. In addition to an address by Ferrini-Mundy, other speakers at the inauguration ceremony are expected to be Gov. Janet Mills and France Córdova, director of the National Science Foundation. Mills is the 75th governor of Maine and the first woman to hold the position. Prior to becoming governor, Mills served as Maine’s attorney general — also the first woman in that job. Córdova, an astrophysicist, is president emerita of Purdue University, and chancellor emerita of the University of California, Riverside. She also served as vice chancellor for research and professor of physics at the University of California, Santa Barbara, and as NASA’s chief scientist. As the 14th NSF director, Córdova oversees the only government agency charged with advancing all fields of scientific discovery; technological innovation; and science, technology, engineering and mathematics (STEM) education. Inauguration week begins with an installation ceremony for Ferrini-Mundy at the University of Maine at Machias, UMaine’s regional campus, beginning at 4 p.m. March 25 in Reynolds Gymnasium. In addition to an address by Ferrini-Mundy, the ceremony will feature remarks by Susan Corbett, director of National Digital Equity Center in Machias, and a performance by the Washington County Children’s Chorus. Public receptions follow both the inauguration and installation ceremonies. To attend the events, RSVP online. The UMaine celebration begins March 28 with a community breakfast at 7:30 a.m. in Wells Conference Center. That will be followed 11:30 a.m.–1 p.m. by the President’s Ice Cream Social, especially for students, in the Memorial Union. At 3 p.m. in Minsky Recital Hall, the symposium, “Fostering Learner Success at American Research Universities: Challenges and Opportunities” begins with a keynote address by Susan Singer, vice president for academic affairs and provost at Rollins College. Singer is a co-author of the American Association for the Advancement of Science report “Vision and Change in Undergraduate Biology Education: A Call to Action,” and chair of National Academies of Science, Engineering, and Medicine committees that wrote the studies “America’s Lab Report, Promising Practices in STEM Undergraduate Education” and “Discipline-based Education Research: Understanding and Improving Learning in Undergraduate Science and Engineering.” Singer’s address will be followed by a panel discussion of the same topic, with participants Elizabeth Allan, professor of higher education; Habib Dagher, Bath Iron Works Professor of Structural Engineering and director of the Advanced Structures and Composites Center; Emily Haddad, professor of English, and dean of the College of Liberal Arts and Sciences; and Darren Ranco, associate professor of anthropology and chair of Native American Programs. The panel discussion and question-and-answer session will be facilitated by Jeffrey Hecker, executive vice president for academic affairs and provost. Culminating inauguration week will be a free public performance by University Singers beginning at 7:30 p.m. March 29 in Hutchins Concert Hall at the Collins Center for the Arts. Contact: Margaret Nagle, 207.581.3745

## **Penobscot Bay Pilot advances Hutchinson Center past trauma, current relationships program**

**20 Mar 2019**

The [Penobscot Bay Pilot](#) advanced a University of Maine Hutchinson Center program, “Past Trauma and Current Relationships: Integrating Nonviolent Communication and Interpersonal Neurobiology,” to be held 8:30 a.m.–4:30 p.m. May 6 and 7 at the center in Belfast. The program will benefit participants from a variety of fields including for-profit and nonprofit sectors, education, health care, criminology and social services. The program fee is \$150 per person; need-based scholarships are available. The goal of the program is to explore how early-life experiences, including traumas such as adverse childhood experiences, affect how we relate to people now, and to provide insights into how the brain responds to challenging situations and choices that can lead to authentic, honest relationships, the article states. [Registration is online](#). For more information or to request a reasonable accommodation or scholarship application, contact Michelle Patten, 338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

## **UMaine Extension cited in Seacoast Online article on spring planting season**

**20 Mar 2019**



[Seacoast Online](#) cited University of Maine Cooperative Extension in an article about the beginning of spring planting season. While it's still too early to plant outdoors, some tasks can be done ahead of time, like soil testing. UMaine Extension recommends testing soil at least once every three years. The [UMaine Analytical Lab offers kits](#) to test soil for pH and nutrients that will help guide people to optimize the fertility of their gardens. UMaine Extension also offers the kits, which can be [requested online](#), or by calling or emailing your local Extension office, according to the article.

#### **Kennebec Journal, Morning Sentinel profile incoming music student**

**20 Mar 2019**

The [Kennebec Journal and Morning Sentinel](#) profiled an incoming University of Maine student who plans to enroll in the Division of Music for the upcoming fall semester. Nathanael Batson, a senior at Lawrence High School, is the 2019 Section I recipient of the National High School Heart of the Arts Award, and is eligible to be selected as the national winner of the award, who will be recognized this summer. "I'm honored," said Batson. "It just kind of shows, with respect to what I've been through, my tribulations and adversities. It shows I love music and have a heart for music." Batson also is legally blind due to neurofibromatosis, a rare hereditary disorder that causes tumors throughout the body, according to the article. The trumpet player was accepted into the All-State Music Festival, and has played with the Kennebec Valley Music Educators Association Band every year of high school, and the All-State Band as a sophomore, as well as the 2017 National Scout Jamboree Band, according to the article.

#### **Keim recent guest on Maine Public's 'Maine Calling'**

**20 Mar 2019**

Karen Keim was a recent guest on [Maine Public's](#) "Maine Calling" radio show. Keim is the associate director of the Maine Educational Opportunity Center and Maine Educational Talent Search, a federally funded program that works with adults to help them go to college, based at the University of Maine. The show's topic was programs to help Maine students who are unprepared for college.

#### **AP quotes Drummond in article on planting flowering herbs to help bees**

**20 Mar 2019**

The Associated Press quoted Frank Drummond, a professor of insect ecology and insect pest management at the University of Maine, in an article about planting flowering herbs to help bees. Herbs appeal to a variety of bee species, and can help provide the declining populations with the plants they need to thrive, the article states. "It is mostly the abundant nectar that brings the bees in. Some of the more attractive herbs to bees are thyme, comfrey, borage, oregano, bee's friend, lemon balm, rosemary, hyssop, sage, lavender and chives," said Drummond. [The Washington Post](#) and [The Columbian](#) carried the AP article.

#### **Assembly interviews Dagher, Anderson for report on UMaine Composites Center**

**20 Mar 2019**

[Assembley](#) magazine interviewed Habib Dagher, executive director of the University of Maine Advanced Structures and Composites Center; and James Anderson, senior R&D program manager at the UMaine Composites Center; for an article about boatbuilding at the center. The UMaine Composites Center is continuing a long-standing tradition of boatbuilding in the state of Maine by using state-of-the-art additive manufacturing technology to propel the boatbuilding industry into the 21st century, the article states. The center features a 100,000-square-foot lab space where 70 full-time engineers work with materials from the molecular level to full-scale structures. For the past 18 years, the center has been developing plastics containing wood cellulose and nanocellulose fibers. "Now, we will use these same stronger and stiffer plastics in very large 3D printers to develop 20- to 100-foot molds for Maine boatbuilders," Dagher said. "By printing plastics with 50 percent wood, we aim to produce boat molds much faster and cheaper than today's traditional methods." Dagher hopes to partner with boatbuilders to give the industry a competitive advantage and overcome challenges of cost and lead time required for traditional manufacturing, which can be a barrier to small- and medium-size boatbuilders. "Custom boatbuilders need a lot of tooling and molds, because they don't make many vessels. Just about every product they make is different than the next," said Anderson. "These companies are very traditional, but they're also quite innovative. They're interested in the benefits of using additive manufacturing technology." The plastics the center has developed also reduce environmental impact and improve recyclability, according to Anderson. The UMaine Composites Center recently received a \$500,000 grant from the Maine Technology Institute to develop advanced additive manufacturing technology, the article states.

#### **WABI speaks with Jones, students about Pets 4 Vets benefit event**

**20 Mar 2019**

[WABI](#) (Channel 5) spoke with Nory Jones, professor of management information systems with the Maine Business School at the University of Maine, for a report advancing the Pets 4 Vets benefit dodgeball tournament to be held 1-4:30 p.m. March 31 at UMaine's New Balance Field House. Hosted by MBS Corps, UMaine Army ROTC and the UMaine Veterans Association, the event will feature teams of four, WABI reported. Registration is \$5 per person or \$20 per team, with all proceeds going to Salute of Service, a local organization that helps veterans by providing service dogs. "It has been shown, by actually many studies, that these therapy dogs do help prevent veteran suicides. So this event supports Salute of Service, which then supports veterans, which then helps to stop suicide," said Jones. People who want to support the cause but not play on a team are invited to watch the tournament and purchase homemade baked goods from the Wicked Good Bake Sale table. Register or donate online. [WABI also spoke later](#) with UMaine Army ROTC student Luke Guibord and MBS Corps student member Austin Cashman about the event.

#### **President Ferrini-Mundy recent guest on WVOM's 'George Hale and Ric Tyler Show'**

**20 Mar 2019**

Joan Ferrini-Mundy, president of the University of Maine and University of Maine at Machias, was a recent guest on [WVOM's](#) "George Hale and Ric Tyler Show." President Ferrini-Mundy reflected on her time in the position so far and discussed R&D, workforce development and more, as well as what's next for the campuses.

#### **Maine sustainability conference to spotlight environmental, economic, community issues**

**21 Mar 2019**

Talks on adapting to climate change in forests and along coasts, creating a just and sustainable food future, restoring native alewife populations, and financing upgrades to wastewater infrastructure will all be part of the [2019 Maine Sustainability & Water Conference](#) on March 28 at the Augusta Civic Center. The conference includes 14 concurrent sessions, a student poster competition and a keynote address. A special session will feature poetry and prose by Maine writers on the literature of water. Other [concurrent sessions](#) about issues affecting the region include tools to improve decision-making, migratory fish passage, recovery of the Penobscot River, water careers in Maine, and development of sustainability curricula. The conference [keynote speaker](#) is Bridie McGreavy, a University of Maine assistant professor of environmental communication and faculty fellow at UMaine's Senator George J. Mitchell Center for Sustainability Solutions. In her talk, "Thinking with Rivers: Communication for Conservation and Sustainability," McGreavy will explore effective, creative and inclusive ways of communicating and collaborating to create brighter futures for Maine communities. The conference also will feature a [poster competition](#) where Maine high school, undergraduate and graduate students will present their research to leading sustainability professionals. Poster topics include sea level rise and flood risk, microplastics in water, innovative packaging to reduce food waste, citizen concerns about Maine aquaculture, and efforts to reduce stream acidification in Down East Maine. Launched in 1994 by the Senator George J. Mitchell Center for Sustainability Solutions at the University of Maine, the unique gathering is among the largest annual sustainability meetings in New England and a premier networking opportunity. Presenting topics at the intersection of environmental, economic and community issues, the conference draws hundreds of sustainability experts from the public and private sectors, nongovernmental organizations, and research and education communities that share ideas, exchange information and present new findings for the benefit of Maine communities. "The conference provides an extraordinary opportunity for sustainability leaders from across Maine to celebrate successes, share best practices and prepare for new challenges," says David Hart, director of the Mitchell Center. "It is especially exciting to witness the passion, ingenuity and dedication that so many young people bring to this work, and to imagine the many important roles they will play as future leaders and problem solvers." For more information, contact David Sims, 207.581.3244; [david.sims@maine.edu](mailto:david.sims@maine.edu).

#### **Call for nominations for 2019 Geddes W. Simpson Distinguished Lecturer**

**21 Mar 2019**

The Geddes W. Simpson Lecture Series Selection Committee is calling for nominations for the 18th Geddes W. Simpson Lecture, which will be held fall 2019. The Geddes W. Simpson Lecture invites speakers of prominence who have provided significant insight into the area where science and history intersect. The Geddes W. Simpson Lecture Series Fund was established by the University of Maine Foundation in 2001 by the family of Geddes Wilson Simpson, a well-respected faculty member who began his 55-year career with the College of Life Sciences and the Maine Agricultural Experiment Station in 1931. Simpson was named chair of the Entomology Department in 1954 and remained in that position until his retirement in 1974. Upon his retirement, he was awarded emeritus status and thereafter worked part time with the Experiment Station as editor. A one-page letter of nomination, along with the nominee's curriculum vitae, should be emailed to James Weber, chair of the selection committee, at [jaweber@maine.edu](mailto:jaweber@maine.edu); or mailed to Jim Weber, School of Food and Agriculture, University of Maine, 5735 Hitchner Hall Room 130B Orono, ME 04469-5735 by April 24. Speakers are welcome from any field that bridges science and history. The lecture series has hosted a range of speakers from various academic disciplines. Recent Geddes W. Simpson Distinguished Lecturers include:

- Dan Sandweiss, professor of anthropology and climate studies, University of Maine, "Climate, Catastrophe, Collapse? Using Climate and Cultural History to Understand El Niño's Role in Ancient Peru" (2018);
- Sharrona Pearl, assistant professor at Annenberg School for Communication, University of Pennsylvania, "Face Transplant Surgery and the Meaning of Identity: A history and case study" (2017);
- David Green, senior fellow at Baker Center for Public Policy, University of Tennessee, "Creating the Sustainable Car: History Lessons from 40 Years of Regulating Automotive Carbon Emissions" (2016);
- William Krohn, wildlife biologist, "Using Historical Information in Wildlife Science: A Personal Journey" (2014);
- Grace Brush, professor of biology (paleobotany), Johns Hopkins University, "A Paleocological Record of Long Term Connections Between Land and Water" (2013);
- Joseph Kelley, professor of marine geology, UMaine, "People and Beaches: A Coupled Human and Natural System" (2011);
- Michelle Murphy, associate professor of history and women and gender studies, University of Toronto, "Avertable Life, Investable Futures: A Cold War Story of Sex and Economy" (2010); and
- Ted Ames, lobsterman and MacArthur Foundation Fellow, "Confluence of Fisheries Management and History" (2007).

## Student companies win all three finalist spots in 'Greenlight Maine' competition

21 Mar 2019

University of Maine student entrepreneurs working out of and with mentors at UMaine's Foster Center for Student Innovation student incubator have won all three finalist spots in the college competition of "Greenlight Maine," a business contest television show twice nominated for an Emmy Award. The students will compete live for the grand prize at 4 p.m. March 23 in Hauck Auditorium. The event is free and open to the public. Student entrepreneurs representing colleges and universities from around the state went head-to-head for the final three spots. All finalists will compete for the grand prize of \$25,000 as part of a larger prize package with an estimated value of \$60,000. "The UMaine team is so proud of these students. They've all worked very hard and spent countless hours devoted to developing their businesses," says Veena Dinesh, director of business incubation at the Foster Center. The winning companies are Ferda Farms, KinoTek and RentScore. Ferda Farms is an oyster farm in Brunswick, Maine on the New Meadows River. Operated by three first-year students and one of their fathers, Ferda Farms produces farm-fresh oysters while bringing innovation and automation to the aquaculture industry. Leading the company are Brunswick natives Max Burtis, a mechanical engineering student; and Sam Dorval, an electrical engineering student. KinoTek uses virtual reality and motion capture technology to see the way people move and the muscles they use. The company's work seeks to mitigate musculoskeletal injuries, increase body awareness, and help with overall education of physiological and biomechanical concepts. KinoTek is led by Justin Hafner, who has bachelor's degrees in kinesiology and psychology from UMaine and is a native of Queensbury, New York. Other team members include Jon Gagnon, who holds a bachelor's and master's in kinesiology and is from Glenburn, Maine; David Holomakoff, who has a bachelor's and master's in bioengineering and is from East Norwalk, Connecticut; Patrick Breeding, a master's student with a bachelor's in bioengineering from East Granby, Connecticut; and Walter Rasmussen, a computer engineering student from Auburn, Maine. RentScore is designed to provide landlords with critical information about their tenants. Based on in-person landlord and tenant interviews, the company has found that in many cases, negative landlord-tenant relationships stem from a perceived lack of trust from destructive tenants and landlords neglecting their responsibilities. RentScore will help rebuild this trust by providing the information that landlords want from tenants quickly and easily. Preliminary public relations research shows tenant groups, landlord associations and city officials will welcome the services that RentScore will offer. Team members include Steve Doman, a current master's in business administration student from Portland, Maine; and John Peters, who holds a bachelor's in philosophy and is from Lewiston, Maine. Doman and Peters were part of the Foster Center's Innovate for Maine Fellows program. "Greenlight Maine" is a business competition that airs on News Center Maine (WCSH 6 in Portland and WLBZ 2 in Bangor). The student competition will air at 10 a.m. every Sunday in March. The series is produced by Portland Media Group, LLC in cooperation with the New England School of Communications. In the five seasons the series has aired, more than \$11 million has been invested in companies that have appeared on the show, in addition to the \$300,000 given out in prize money.

## UMaine to host eighth annual Correll Early Literacy Conference on March 22

21 Mar 2019

The University of Maine College of Education and Human Development will host the eighth annual Correll Early Literacy Conference on March 22 at Wells Conference Center. This year's theme is "Joyful Literacy! Supporting Children's Interests to Bring Joy Back to Literacy Learning." Workshops will focus on ways educators can help young children find their voices. Timothy Reagan, dean of the College of Education and Human Development, will give opening remarks, and Susan Bennett-Armistead, associate professor of literacy education and chair of the Correll Book Awards selection committee, also will deliver a speech. The Correll Book Award winners will be announced at the conference, and the authors will share remarks via Skype. The Correll awards recognize outstanding informational texts published for children from birth to 8 years old. The committee selects books in two categories: birth to age 3 and age 4-8. The conference will run in two sessions, with a choice of three workshops offered during each session. More information about the conference is available [online](#) or by emailing Bennett-Armistead, [susan.bennett-armistead@maine.edu](mailto:susan.bennett-armistead@maine.edu).

## Press Herald cites UMaine Extension in article on gypsy-moth quarantine

21 Mar 2019

The [Portland Press Herald](#) cited a University of Maine Cooperative Extension fact sheet in an article on a proposed gypsy-moth quarantine for the state. The Maine Department of Agriculture, Conservation and Forestry wants to expand a partial state quarantine established in 2010 to cover the whole state, to make it easier to ship forest products within Maine borders while protecting other gypsy moth-free states, according to the article. Gypsy moths feed on oak, poplar, gray birch and fruit trees, according to the UMaine Extension fact sheet.

## Yale Climate Connections quotes McDonough MacKenzie in article on premature springs

21 Mar 2019

[Yale Climate Connections](#) quoted and cited research by Caitlin McDonough MacKenzie, a researcher at the University of Maine Climate Change Institute, in the article "In nature, premature springs are creating new winners and losers." The average spring in the eastern United States is starting earlier as a result of warming temperatures. Some plants and animals that use temperature as a sign that spring is beginning will emerge earlier, while other species that take their cues from daylight length or other factors unaffected by climate change will continue to start their springs as usual, according to the article. This could create a breakdown in synchronization between interdependent species like plants and pollinators. McDonough MacKenzie compared leaf-out data in Concord, Massachusetts and found that trees' leaves appear two weeks earlier on average than they did in the 1850s, while wildflowers have advanced their leaf out less than one week in the same period, the article states. Understory wildflowers depend on having exposure to sunlight before tree leaves emerge, when many species gather 60 to 80 percent of their energy for the year. With tree leaves coming earlier, the flowers will have less time in the sun. Just under a quarter of wildflower species in the forests studied have declined or disappeared since the 1850s, according to McDonough MacKenzie, but the reasons are not clear. In addition to climate change, increasing development, larger deer populations and decreased logging affect the wildflowers. But regardless of factors, "It's not going to get better" for the flowers, McDonough MacKenzie said.

## Penobscot Times advances climate change film series

21 Mar 2019

[The Penobscot Times](#) advanced "Climate and Food," the sixth annual Human Dimensions of Climate Change film series at the University of Maine. The series begins March 26 with "Just Eat It: A Food Waste Story," which reveals global consequences of the systemic obsession with expiration dates, perfect produce and portion sizes. "Seeds of Time," which chronicles the journeys of farmers around the planet on passionate and personal journeys to save seeds, will be shown April 2. And on April 9, "Meat the Truth" will tell the story of how livestock farming generates more greenhouse gas emissions worldwide than all cars, trucks, trains, boats and planes combined. All film screenings are free and open the public, and will begin at 6 p.m. in Classroom 1 at Fogler Library. The films each will be followed by a discussion, the article states. For more information or to request a reasonable accommodation, email Jen Bonnet at [jenbonnet@maine.edu](mailto:jenbonnet@maine.edu). The [Portland Press Herald](#) also previewed the film series in a roundup of food-related news in Maine.

## Jordan Gardner: Global Perspective for Humanities Explorations Fund award winner learning through travel

**21 Mar 2019**

Jordan Gardner, of Farmingdale, Maine, caught the travel bug during the spring 2018 semester when he journeyed to Cusco, Peru. Through the ISA (International Studies Abroad) Cusco: Language, Literature, and Culture program, Gardner studied archeology, cultural anthropology and the history of the Incas at the ISA Study Center through a partnership with Universidad de Salamanca. While in Cusco, Gardner says he met many interesting people and became close to his host family. “The best time of my life was when I studied in Peru, and that’s the exact reason I decided to spend another semester abroad. It is an unforgettable experience,” says Gardner, who encourages everyone to consider studying abroad. Now in Puntarenas, Costa Rica for the spring 2019 semester, the third-year anthropology student at the University of Maine is living with a local family and studying Spanish, and so far “the same thing is happening,” he says. Gardner is the first recipient of an award from the McGillicuddy Humanities Center’s Global Perspective for Humanities Explorations Fund, which has made the experience possible. He’s enrolled in the USAC (University Studies Abroad Consortium) Costa Rica: Puntarenas — Spanish Language, Ecological, and Latin American Studies program, taking classes at the USAC Puntarenas Center. Learning about a new culture and making friends is at the heart of Gardner’s love of travel. He began learning Spanish in Peru and enjoyed it so much he decided to work toward becoming fluent. Gardner plans to declare a minor in Spanish upon returning to UMaine. The Global Perspective for Humanities Explorations Fund was established at the University of Maine Foundation in 2018 with a gift from Tracey Graffam-Dickson ’93, Jessica Canatsey ’92 and other members of the Friends of the Salzburg Study Abroad Program to recognize and honor Josef Roggenbauer, professor emeritus of German at UMaine. Roggenbauer established the New England Universities in Salzburg Study Abroad Program at UMaine in the 1970s and gave many years of service and dedication to the program, which ran for more than 30 years. Created to highlight the importance of modern language, cultural exploration and the global exchange of ideas, innovation and experiences, the fund supports students regardless of major or destination. Through the experience of living and studying in a different country and learning its culture, students have an opportunity to experience the world through a different lens, transcend ideological boundaries and discover innovative ways of approaching the challenges they will face as future citizens of their communities, countries and the world. The fund has helped Gardner achieve his goals by supporting opportunities to engage in learning through travel. “I have always been interested in different cultures and their history. I would love to have a career that would allow me to travel and explore,” Gardner says. To donate to the Global Perspective for Humanities Explorations Fund, visit the University of Maine Foundation [website](#).

#### **Hayfields, pastures focus of UMaine Extension workshops**

**22 Mar 2019**

University of Maine Cooperative Extension is offering a workshop on hayfield and pasture health in nine locations beginning 6–9 p.m. March 25 at the UMaine Extension office in Dover-Foxcroft. Workshops will continue to be offered around the state until April 15 at the following locations:

- 9 a.m.–noon March 27, UMaine Extension, 307 Maine Avenue, Bangor;
- 2–5 p.m. March 27, Unity Food Hub, 69 School St., Unity;
- 9 a.m.–noon April 9, UMaine Extension, Kennedy Center, 15 Oak St., Springvale;
- 2–5 p.m. April 9, UMaine Extension, 9 Olson Road, South Paris;
- 9 a.m.–noon April 10, UMaine Extension, 24 Main St., Lisbon Falls ;
- 2–5 p.m. April 10, UMaine Extension, 75 Clearwater Drive, Suite 104, Falmouth;
- 9 a.m.–noon April 11, University of Maine Farmington, 224 Main St., Farmington; and
- Noon–3 p.m. April 15, UMaine Extension, 57 Houlton Road, Presque Isle.

Extension professor Rick Kersbergen and Extension animal and bioscience specialist Gary Anderson will discuss topics that include improving pasture and hayfield yield and quality, production basics for hay and baleage, and understanding forage quality. The fee is \$10 per farm. Register online. For more information or to request a reasonable accommodation, contact Kersbergen, 342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

#### **Unpack meanings of ‘fake news’ March 25 with Rosenbaum, Bonnet**

**22 Mar 2019**

Claims about fake news, bias and misinformation have become more prevalent in the past few years. But what is “fake news”? And what role does personal bias play in people’s perception of the news? Being a more informed 21st-century citizen requires a critical approach to the media. Judith Rosenbaum, assistant professor in the Department of Communication and Journalism, and Jen Bonnet, social sciences and humanities librarian, will present “Fake news, misinformation, and political bias: News literacy for the 21st century,” 4:45–6 p.m. March 25, in Classroom 1 of Fogler Library. Unpack the many meanings of “fake news” and discuss how to critically evaluate information found online at this free, interactive public workshop. Space is limited. Attendance is first come, first served. To request a reasonable accommodation, contact Bonnet at [jenbonnet@maine.edu](mailto:jenbonnet@maine.edu).

#### **Penobscot Bay Pilot mentions UMaine Extension in article about inmates’ re-entry to work, community**

**22 Mar 2019**

The [Penobscot Bay Pilot](#) mentioned an outreach effort by University of Maine Cooperative Extension in an article covering a March 20 public forum focused on ways to strengthen Maine prisoners’ re-entry process to work and community after release. As an example of a program facilitating successful re-entry, Maine Department of Corrections Commissioner Randall Liberty mentioned the Maine State Prison in Warren, where he was formerly the warden, that implemented a sustainable agriculture program with the help of UMaine Extension. Mark Hutchinson, UMaine Extension educator, visited the prison multiple times and taught the inmates about gardening, according to the article.

#### **The County covers theatre students’ touring show performance in Houlton**

**22 Mar 2019**

[The County](#) reported five students from the University of Maine’s School of Performing Arts visited Houlton Elementary School to perform a touring show on March 20. The cast performed “Can You Imagine?” an original play with lots of improvisation, at Houlton Elementary and nine other Maine schools during their spring break. The students — Ethan Leonard, Keely Gonyea, Mitchell Arsenault, Angelina Buzzelli and stage manager Asher Mason — rehearsed for seven weeks before the tour, according to the article. Leonard said the group was not receiving extra credit and the show was not part of their coursework, that their goal instead was to provide exposure to theater for elementary students while experiencing parts of the state other than the UMaine campus.

#### **Science magazine publishes Wallace Broecker obit written by Putnam**

**22 Mar 2019**

Aaron Putnam, George H. Denton assistant professor in the School of Earth and Climate Sciences at the University of Maine, wrote an obituary for Wallace “Wally” Smith Broecker that was published in [Science](#) magazine. Putnam wrote Broecker, who died Feb. 18 at the age of 87, was “one of the most influential Earth scientists of the past century” and “made foundational discoveries about the behavior of the climate system, the chemistry and circulation of the oceans, and the carbon cycle.” Broecker will be remembered for his work on climate change, according to the article, and was “always seeking answers to Earth’s greatest puzzles.”

#### **UMaine honors winners of 2019 Correll Book Awards**

**22 Mar 2019**

Two children’s books received the 2019 Correll Book Awards for Excellence in Early Childhood Informational Text at the Correll Early Literacy Conference held at the University of Maine. This year’s winners are “Highest Mountain, Smallest Star” (Penguin Random House) by Kate Baker with illustrations by Page Tsou, and “About Woodpeckers” (Peachtree Publishing Co.) by Cathryn Sill with illustrations by John Sill. Both books are in the age 4–8 category. No winner was selected in the birth to age 3 category this year. The Correll Book Awards recognize books published during the previous year that are appropriate to each age group, and are engaging and accurate sources of information for young children. Susan Bennett-Armistead, an associate professor of literacy at UMaine, chairs the Correll Committee, which selects the winners. The awards are now in their eighth year.

#### **‘Climate and food’ theme of three-part film series starting March 26**

**25 Mar 2019**

“Climate and Food” is the theme of the sixth annual Human Dimensions of Climate Change film series that kicks off March 26 at the University of Maine. Each of the three films will begin at 6 p.m. in Classroom 1 of Fogler Library and will be followed by a discussion. “Just Eat It: A Food Waste Story” on March 26 reveals the global consequences of the systemic obsession with expiration dates, perfect produce and portion sizes. Brie Berry, a Ph.D. candidate in anthropology and environmental policy, will lead the discussion. In “Seeds of Time” on April 2, agriculture pioneer Cary Fowler and farmers around the planet embark on passionate and personal journeys to save seeds — a resource we can’t live without. Brian McGill, professor of biological science, will lead the discussion. “Meat the Truth” on April 9 details how livestock farming generates more greenhouse gas emissions worldwide than all cars, trucks, trains, boats and planes combined. Tony Sutton, Ph.D. candidate in ecology and environmental studies, will lead a discussion after the film. Cindy Isenhour, associate professor in the Department of Anthropology and the Climate Change Institute, and Jen Bonnet, social sciences and humanities librarian at Fogler Library, organized the series. The Department of Anthropology, Climate Change Institute, Fogler Library and the Mitchell Center for Sustainability Solutions are sponsors. For more information or to request a reasonable accommodation, email Bonnet at [jenbonnet@maine.edu](mailto:jenbonnet@maine.edu).

#### **WABI previews facilities management job fair**

**25 Mar 2019**

[WABI](#) (Channel 5) previewed a job fair to be hosted by the University of Maine’s Office of Facilities Management from 5–7 p.m. March 26 at the Service Building Complex. Members of the UMaine community interested in a job with Facilities Management are invited to attend. All trade shops will be represented, according to WABI.

#### **AP quotes Humphrey in report on mud season**

**25 Mar 2019**

The Associated Press quoted Dana Humphrey, dean of the University of Maine College of Engineering, in an article about this year’s “muddier and bumpier than most” mud season in New England. An especially rainy and snowy winter contributed to more severe potholes, bumps in the road, and melting snow flowing into rivers and creating mud, AP reported. Melting snow often seeps into cracks in roads and refreezes, causing damage. “There’s a higher prevalence of potholes this year. That’s because of these storms that are a combination of rain and snow,” Humphrey said. “I think this is going to probably be a worse-than-average mud season.” [U.S. News & World Report](#), [Portland Press Herald](#), [Kennebec Journal and Morning Sentinel](#), [The Times Record](#), [Valley News](#) and San Francisco Chronicle carried the AP report.

#### **BDN speaks with Garland for article on planting before last frost**

**25 Mar 2019**

The [Bangor Daily News](#) spoke with Kate Garland, a horticultural professional with University of Maine Cooperative Extension, for an article about what to plant before the last frost of winter. Some cold-hardy plants, including carrots, corn, parsnips, spinach, turnips, peas, onions, lettuce and seed potatoes, can survive a light or moderate frost if they have been planted before winter is over, according to the article. And some seedlings, like broccoli, beets, cabbage, cauliflower and kale, can be started indoors and “hardened off,” or brought outside during the day to allow the seedlings to adjust before transplanting. “You’re gradually exposing them to lower temperatures, increased air flow and increased light. Even a week is helpful,” said Garland. When purchasing seedlings from a nursery, it’s a good idea to ask if they have been hardened off, according to Garland. And some perennial crops can be planted before the last frost, as well. “Things like asparagus and rhubarb and strawberries, and woody plants like blueberries, raspberries and fruit trees do better if they’re planted a little bit early,” said Garland. Resources to calculate your area’s frost-free date include the local Cooperative Extension, National Gardening Association, and Dave’s Garden, but Garland advises caution and checking current weather patterns and projected forecast before planting. “Curveballs late in the season are common. It’s really important to look at that 10-day forecast before you plant,” Garland said. “I’ve gotten my heart broken before.” And while there are many options for planting before the last frost, Garland said there should be no pressure. “You can plant late and still get a great yield from your garden. Don’t feel rushed,” she said.

#### **Student’s company wins ‘Greenlight Maine’ challenge, Maine Startups Insider, MaineBiz report**

**25 Mar 2019**

[Maine Startups Insider](#) and [MaineBiz](#) reported KinoTek, a startup company founded at the University of Maine last year, has won the inaugural “Greenlight Maine” Collegiate Challenge. Run by UMaine kinesiology and psychology student Justin Hafner, KinoTek creates virtual reality technology that visualizes the body’s muscles and the specific movements they generate, the articles state. KinoTek surpassed 10 semifinalists to win the \$25,000 prize after competing in the final episode of the challenge, which also featured student-run companies Ferda Farms and Rentscore and was filmed at UMaine on March 23. Hafner said the prize money will help fund further software development for his company. “Greenlight Maine” is a business competition that airs on News Center Maine (WCSH 6 in Portland and WLBZ 2 in Bangor).

#### **Thirty-four UMaine faculty members receive tenure and/or promotion**

**25 Mar 2019**

Thirty-four University of Maine faculty have received tenure and/or promotion. The faculty members were nominated by UMaine President Joan Ferrini-Mundy based on a peer and administrative review of their successful teaching, research and public service, and approved by the University of Maine System Board of Trustees. “We are extremely proud of our world-class faculty who make a difference in the UMaine student experience, and in our state and beyond with their teaching, research and community engagement,” Ferrini-Mundy says. “The 34 being recognized this year with tenure and/or promotion exemplify the excellence and strength of this university, and we appreciate the inspiration they provide.” **Promoted to professor** *College of Education and Human Development*

- Shihfen Tu, Education and Applied Quantitative Methods

##### *College of Engineering*

- Shaleen Jain, Civil Engineering

##### *College of Liberal Arts and Sciences*

- Daniel Bilodeau, Theatre
- Andrew Knightly, Mathematics
- Jessica Miller, Philosophy
- Justin Wolff, Art

##### *College of Natural Sciences, Forestry, and Agriculture*

- Patricia Poirier, Nursing
- Gayle Zydlowski, Marine Sciences

##### *Maine Business School*

- Pankaj Agrawal, Finance

#### **Promoted to Extension professor** *Cooperative Extension*

- Tori Jackson, Cooperative Extension
- Ellen Mallory, Cooperative Extension and School of Food and Agriculture
- Kristy Ouellette, Cooperative Extension

- Kathleen Savoie, Cooperative Extension

**Promoted to associate professor with tenure** *College of Education and Human Development*

- Ian Mette, Educational Leadership

*College of Engineering*

- Brett Ellis, Mechanical Engineering Technology

*College of Liberal Arts and Sciences*

- Christine Beitzl, Anthropology
- William Gramlich, Chemistry
- Torsten Hahmann, Computing and Information Science/NCGIS
- Emily Haigh, Psychology
- Samuel Hanes, Anthropology
- Elizabeth Neiman, English/Women's, Gender, and Sexuality Studies
- Frédéric Rondeau, French
- Judith Rosenbaum-Andre, Communication and Journalism
- Carlos Villacorta, Spanish

*College of Natural Sciences, Forestry, and Agriculture*

- Erik Blomberg, Wildlife Population Ecology
- Damian Brady, Marine Sciences
- Sandra De Urioste-Stone, Nature-Based Tourism
- Shawn Fraver, Forest Ecosystems Science
- Jacquelyn Gill, Terrestrial Paleocology/Climate Change
- Hamish Greig, Stream Ecology
- Caroline Noblet, Economics
- Mehdi Tajvidi, Renewable Nanomaterials
- Kristy Townsend, Neurobiology

*Maine Business School*

- Susan Myrden, Marketing

Contact: Margaret Nagle, 207.581.3745

**Maine businesses invited to April 3 workshop on combined heat and power systems to reduce energy costs**

**25 Mar 2019**

*Editor's note: Story updated March 26* Helping Maine businesses explore the benefits of installing combined heat and power systems to reduce energy costs is the focus of a workshop April 3 at the University of Maine at Augusta. The free public workshop will be held 8 a.m.–2:30 p.m. in Jewett Hall, sponsored by the U.S. Department of Energy's New England Combined Heat and Power Technical Assistance Partnership (CHP TAP) at the University of Maine, in collaboration with the University of New Hampshire. Registration is [online](#). For more information or to request a reasonable accommodation, contact Suzanne Watson, 207.712.3016; [swatson@watsonstrategy.com](mailto:swatson@watsonstrategy.com). Participants will learn about the benefits of installing a mid-size generator at their business that will provide both electricity and heat for facilities. Combined heat and power (CHP) — also known as cogeneration — is an efficient and clean approach to generating both electric power and heat from a single fuel source, like biomass or natural gas. Furthermore, heat and power can be produced on-site, reducing the need to purchase electricity from the distribution grid, greatly increasing energy security and resiliency, according to David Dvorak, CHP TAP director and UMaine professor of mechanical engineering technology. In addition to Dvorak, expected workshop speakers include A.J. Ballard, energy manager for the Maine Army National Guard. Industry leaders will speak about on-site CHP for critical market sectors in Maine — manufacturing, commercial and multifamily, health care and greenhouses — and the tools and resources available for installation. In 2017, the U.S. Department of Energy [selected UMaine](#) to lead one of eight regional partnerships dedicated to the promotion, technical support and deployment of cost-effective and highly efficient CHP technologies nationwide. UMaine, in partnership with the University of New Hampshire and Watson Strategy Group, oversees the CHP TAP in the Northeast, including Maine, New Hampshire, Vermont, Rhode Island, Massachusetts and Connecticut. The UMaine-led Northeast Combined Heat and Power Center (NECHPC), as well as the seven other CHP TAP program centers nationwide are supported by \$25 million of DOE funding. The NECHPC will receive more than \$2 million of that total. The goal of the multi-institution NECHPC is to facilitate and accelerate the deployment of CHP technologies in the Northeast by providing assistance and technical support to businesses and institutions looking to invest in CHP technology.

**Alpha Phi sorority collaborates with UMaine Dining, others for fundraiser**

**26 Mar 2019**

Members of the University of Maine's Alpha Phi sorority recently raised more than \$2,000 for the Alpha Phi Foundation. In February, members of the group held a "Mac N Phi's" event at Orono Brewing Company in Orono. Mac and cheese for sale was donated by individuals and groups including UMaine Dining. Proceeds from the event will go to the Alpha Phi Foundation, which funds leadership development and training for women, graduate and undergraduate scholarships, financial aid for members who are facing crisis and improvements for women's heart health through the Heart to Heart Grant program. "Events like Mac N Phi's are important because we are able to promote wonderful organizations and charities in fun ways," says Ashley Russell, Alpha Phi's vice president of community relations. "I am beyond amazed at the participation from this community and hope to continue this partnership in the future."

**Republican Journal previews UMaine Extension QuickBooks workshop**

**26 Mar 2019**

[The Republican Journal](#) previewed a free, four-part QuickBooks Basics for Farms workshop hosted by SCORE and University of Maine Cooperative Extension. The workshops will help participants better understand how to activate and use the key features in the QuickBooks Desktop Pro version to process customer invoices and payments, record sales and sales taxes; generate reports; and keep accounting records up to date and accurate, the article states. Sessions will be held April 8, 10, 15 and 17 at UMaine Extension in Bangor. Registration is requested by April 3, and participants need to bring a PC laptop. For more information, email Stephen Veazey at [stephen.veazey@scorevolunteer.org](mailto:stephen.veazey@scorevolunteer.org) or Erin Roche at [erin.roche@maine.edu](mailto:erin.roche@maine.edu), or call 743.7459.

**The County cites UMaine Extension in report on biomass plant closures**

**26 Mar 2019**

[The County](#) cited University of Maine Cooperative Extension in a report on the closures of Aroostook County's two biomass plants. The closures of the two ReEnergy plants, one in Ashland and one in Fort Fairfield, will have effects on those in the forestry and agriculture sectors, especially farmers who have depended on wood ash as an affordable alternative to lime, the article states. Approximately 70,000 tons of wood ash are spread on farmland every year in Maine, providing calcium to raise the pH of the soil, as well as micronutrients including copper, boron, sulfur and zinc, according to UMaine Extension. The [Bangor Daily News](#) published The County article.



## **WVII covers Holi celebration at UMaine**

**26 Mar 2019**

[WVII](#) (Channel 7) covered a celebration of Holi, the festival of spring celebrated in southern Asian cultures, hosted by the University of Maine's South Asian Association of Maine (SAAM) on March 24. Traditionally, colored powders are thrown to celebrate the end of winter and the beginning of spring, according to the report. "We're just here to share culture and help people know why we do things that we do, and just create more awareness about South Asia," said Shweta Desai, president of SAAM.

## **Gardner quoted in BDN report about being queer in Maine**

**26 Mar 2019**

Susan Gardner, director of the University of Maine's Women's, Gender, and Sexuality Studies Department, was quoted in the [Bangor Daily News](#) article "What it means to be a queer Mainer in 2019." The focus of the article was on the word "queer" and how the meaning of the label has changed over time. "It really has become an umbrella term for anybody who doesn't conform" to conventional heterosexual or cisgender identities, according to Gardner. The term had long been used to taunt those in same-sex relationships until the 1980s, when queer activists began working to reclaim it, and by the 1990s it began gaining popularity in academic circles, according to Gardner. But she said she knows people, especially those who are not millennials, who have negative or uncomfortable reactions to the word. "I try to explain, this younger generation of folks has embraced it. What I think is great is that there's an entire community or communities of people who want to take back this term and use it in a positive way," Gardner said. "Culture changes. Our society changes. It's not a bad thing ... When 'Ms.' came out, people thought it was like the end of the world. Now people don't think twice about it. Language evolves, just like we do."

## **BDN cites Hough in article telling story of UMaine's Caroline Colvin**

**26 Mar 2019**

The [Bangor Daily News](#) quoted Mazie Hough, an associate professor of history and women's, gender, and sexuality studies at the University of Maine, in an article telling the story of Caroline Colvin. Colvin was a UMaine history professor from 1902 to 1932 and the namesake for Colvin Hall, home to UMaine's Honors College, as well as the first woman in the United States to be appointed chair of a university department when she assumed the position in UMaine's Department of History in 1906, serving until 1932. She also was the university's first female professor at a time when less than 20 percent of the student body was female. At the time, female students had curfew, clothing and etiquette requirements that male students did not, the article states. "(Academia) was close to a total boy's club at that time. When UMaine added a liberal arts program in the early 20th century, for many years, its only female professor was Colvin. She really was unusual for her time," said Hough. "Interestingly, the history department at UMaine has a long history of female leadership. Alice Stewart was chair of the department for years in the middle of the 20th century." According to the BDN, Colvin was a suffragist and UMaine's first dean of women, a position she held from 1923 to 1927. As dean, she advocated for more options for women's athletics, helped form a women's student government, and was named one of the first members of the All Maine Women honor society. And legend has it her ghost haunts Colvin Hall, appearing mostly to men. Built in the 1920s, the hall was originally a women's dormitory, where Colvin was house mother for its first few years. The dorm became co-ed in the mid-1980s, and some male residents reported seeing Colvin's ghost. Today, Colvin Hall houses 36 Honors students on the middle two floors, with teaching facilities on the first and fourth floors. But Colvin's legacy is so much more than her name on a building — she paved the way for women at UMaine to have equal opportunity in their entire educational experience, the article states. [WGME](#) (Channel 13 in Portland) carried the BDN article.

## **WVII interviews Dill about tick season**

**26 Mar 2019**

Griffin Dill, an integrated pest management professional with University of Maine Cooperative Extension, spoke to [WVII](#) (Channel 7) about the beginning of tick season. As temperatures rise, snow begins to melt, and ticks have begun to emerge for the season. Dill said UMaine Extension recently has received a half dozen calls from people who found ticks on themselves or their pets. "This past winter was kind of strange. We had a lot of freezing and then thawing events, which could be detrimental to the ticks," said Dill, who added numbers would be difficult to predict, and that ticks do not actually die in winter. "They go down to the ground level, beneath the leaf litter. The snow that accumulates insulates them very well and they just kind of hang out there until spring," Dill said. "If it's hot and dry, we're going to see relatively low tick activity. But if we're getting rain and it's relatively humid and things like that all summer long, then it's going to be high." The deer tick, commonly found in Maine, can carry Lyme disease — more than 1,800 confirmed cases were reported statewide in 2017, a 23 percent increase from 2016, according to the report. "Create that barrier to prevent the ticks from entering your skin. And then when you come indoors, conducting a tick check is vitally important," Dill added. Anyone bitten by a tick can send it to UMaine Extension's Tick ID Lab for analysis.

## **Calhoun, Jansujwicz speak with BDN for article about vernal pools**

**26 Mar 2019**

The [Bangor Daily News](#) interviewed Aram Calhoun, a professor of wetland ecology at the University of Maine, and Jessica Jansujwicz, an assistant research professor at UMaine, for an article about vernal pools. Vernal pools are small, temporary wetlands that appear in the spring when snow melt and precipitation fill shallow depressions in forest landscapes, the article states. "The more we studied them, the more integral to the functioning of the New England landscape we realized they are," said Calhoun. "What they supply for us goes way beyond their size or abundance." Half of Maine's reptile and amphibian species use vernal pools to forage or take refuge, and the pools provide nutrition for a range of forest species, according to the article. But often they are found on private property, where landowners may want to fill them in. Calhoun launched the website "Of Pools and People" to help educate landowners about vernal pools and their value. "You don't protect something that you don't understand. It's about trying to make these systems real to people," Calhoun said. After amphibians lay their eggs in the pools, they can move up to a mile away or more to hibernate, so the vernal pool ecosystem stretches beyond the pool itself. "Putting a circle around them doesn't protect their landscape-scale functions," Calhoun said. Maine's Natural Resources Protection Act (NRPA) protects vernal pools considered "significant" — those containing a large number of egg masses or supporting an endangered or threatened species. "The top-down approaches put things on the radar screen. It gave us a gap to fill," said Calhoun, who has worked with scientists and researchers across disciplines to fill the gaps in conservation. "We started talking to individual landowners, and we did a lot of focus groups," said Jansujwicz, who researched vernal pools as a graduate student. "The landscape (is) dominated by people, so you have to understand what people's goals are. A lot of the benefits don't come obvious to landowners." Jansujwicz added many landowners were wary of regulations infringing on their decisions about their private property. "People were unhappy with a one-size-fits-all, top-down approach," said Calhoun, whose team collaborated with several agencies and organizations to develop the Special Resource Area Management Plan (SAMP) for vernal pools in 2016. The plan increased the buffer around protected vernal pools, allowed local land trusts to assume their stewardship, and delegated authority to town governments rather than the Maine Department of Environmental Protection, the BDN reported. Calhoun said the SAMP could be applied to other landowner-friendly conservation projects as well. "Certainly it is something that is relevant to Down East fisheries, aquaculture and shellfish fisheries," Calhoun said. "That would be wonderful if we could do that."

## **Registration open to attend Camp North Woods at Bryant Pond**

**27 Mar 2019**

Registration is open for the chance lottery to attend Camp North Woods, a co-educational overnight camp for youth ages 9–13 to learn lifelong outdoor skills and the importance of sustaining Maine's natural resources. University of Maine 4-H Camp and Learning Center at Bryant Pond hosts Camp North Woods. Staff from the Maine Department of Inland Fisheries and Wildlife (MDIFW) and Bryant Pond instruct and mentor campers. Attendees have hands-on experiences in rifle, shotgun, archery, map and compass, outdoor survival, canoe and kayak, boating safety, ATV safety, deer and turkey hunting, trapping, open-water fishing, fly tying, fly casting and more. There are a limited number of spaces available, so campers are selected through a chance lottery. The registration fee of \$635 includes meals, lodging and instruction. Maine resident campers selected may be eligible to receive a \$300 scholarship from MDIFW. The application deadline for the lottery is 11:59 p.m. April 5; 60 boys and 60 girls will be selected in the drawing April 10. Important changes are in place this year. Youth who have already attended Camp North Woods cannot apply in 2019. Eligible youth not selected in the lottery will be placed on an alternate list and will be contacted if a spot opens. Campers who previously have received a conservation scholarship for another safety program aren't eligible for a Camp North Woods scholarship. More information, including registration, is [online](#).

## **BDN interviews Garland about determining planting hardiness zones**

**27 Mar 2019**

The [Bangor Daily News](#) interviewed Kate Garland, a horticultural professional with University of Maine Cooperative Extension, for the article "How to determine your hardiness zone." Hardiness zones were developed by the U.S. Department of Agriculture to determine which plants grow best in different climates, with each zone representing the region's minimum average winter temperatures, the article states. "It helps people understand what they can and cannot plant in their landscape," Garland said. The zones are most helpful for determining what perennial plants will survive year-round in a particular area, and how well and how long annual plants will live, according to Garland. The USDA's Hardiness Zone Map was first published in 1960 and was updated in 1990 and 2012 to reflect changing climatic conditions, the BDN reported. "It's based on a lot of weather data, so it's changing," Garland said. And while useful in a general sense, the zone map can fail to show certain nuances, according to the article. "Just because you're in a warmer zone doesn't mean you're in an easier growing climate. Coastal towns in warmer zones suffer from having a cooler growing season. There are definitely some very, very windy sites that might cause tissue dieback," said Garland, who recommended

considering microclimates when deciding where and what to plant. “To have a clear understanding of the warm pockets and cold pockets is a thing to consider,” she said, for example, planting tender plants close to a house’s foundation to create a warmer microclimate.

#### **Ellsworth American quotes Hopkins in article on maple industry, climate change**

**27 Mar 2019**

[The Ellsworth American](#) cited Kathy Hopkins, a maple syrup expert with University of Maine Cooperative Extension, in an article about the maple industry and climate change. Hopkins spoke on the topic at Schoodic Institute on March 21, according to the article. The calendar no longer accurately predicts the best time to start tapping trees, and while the maple industry will survive, people will have to adapt to climate change, Hopkins said. “You can’t look at any one piece of analysis and conclude the sky is falling. You can’t take any one piece as a prediction for everything,” Hopkins said. Some studies indicate that maple trees will continue to grow in the same areas, but may not be as healthy — removing snow from around the bases of maple trees caused root damage and reduced growth in one study. “They don’t recover,” said Hopkins. Warmer climates also would facilitate the growth and spread of fungal diseases, and make leaf-devouring insects more likely to survive the winter. Trees would be more likely to experience stress as a result of drought, frost, injuries from ice and increases in human population and development, the article states. To maximize sap yields and keep trees healthy, Hopkins recommended using organic practices and keeping the sugar bush area as diverse as possible by planting multiple varieties. She also advised growers to be open to new technology that could provide solutions for adaptation. “There’s a lot of unknowns, but we will still have an industry,” Hopkins said.

#### **Artist returns to UMaine during Sexual Assault Awareness Month**

**28 Mar 2019**

Artist and education activist Traci Molloy will return to the University of Maine to facilitate a panel discussion and public conversation April 3 as part of Sexual Assault Awareness Month. The event at 5:30 p.m. in Barrows Hall, “Against My Will: An Interactive Discussion on Rape Culture and Trauma,” will complement an outdoor public installation of Molloy’s art on the Mall April 2–25. The exhibit will feature de-identified images and stories of cisgender female members of the UMaine community who are survivors of sexual violence. In October 2018, Molloy mounted an outdoor exhibit on the Mall featuring survivors from Alfred University. Molloy’s art explores methods for processing trauma and grief, particularly evident during the aftermath of violence. The “Against My Will (UMaine)” exhibit celebrates human resiliency while providing a voice to a marginalized and often silenced population — sexual assault survivors. The moderated panel discussion will focus on the exchange of information and ideas between audience members and panelists, who are assault survivors and co-collaborators in the installation. An independent artist, Molloy creates collaborations with traumatized adolescents and young adults. She has partnered with children who lost parents in the attacks on 9/11, adolescents displaced from their home countries due to war or genocide, and disenfranchised youth from both rural and urban communities. She has offered artist lectures for numerous government and private agencies and educational institutions, including the Pentagon, Norman Rockwell Museum, and Centers for Disease Control and Prevention. Her multimedia collaborations have been exhibited internationally in Johannesburg, South Africa and Tokyo, Japan. Five of her collaborations are in the permanent collection at the National September 11 Memorial & Museum in New York City. Molloy’s visit to UMaine has been organized by the Rising Tide Center, in partnership with the Women’s, Gender, and Sexuality Studies program. The art exhibition is supported, in part, with an award from the Cultural Affairs/Distinguished Lecture Series, and with a grant from the Alton ’38 and Adelaide Hamm Campus Activity Fund. For more information about the exhibit or panel discussion, or to request a reasonable accommodation, call the Rising Tide Center, 581.3439.

#### **Boothbay Register interviews UMaine scholarship winner**

**28 Mar 2019**

[Boothbay Register](#) interviewed Blake Erhard, a Boothbay Region High School student, first-place winner in the Maine State Science Fair, and winner of a Maine Top Scholar scholarship from the University of Maine. The four-year, full-tuition scholarship includes a research stipend for a subject of Erhard’s choosing, and automatic admission to UMaine’s Honors College, according to the article. Erhard teamed up with fellow BRHS student Lilley Harris to create a shot cap that disguises needles to lower anxiety in pediatric patients, which won first place in the biomedical and health sciences category at the fair. They also won Reach Awards, which go to submissions from schools that have not participated in the fair at all or for several years and have performed exceptionally, the article states. “I wasn’t really worried because I didn’t think we were going to do that well,” said Erhard. But following their success at the fair, the pair hopes to continue working together to patent a new version of their project, the Boothbay Register reported.

#### **Times Record, MaineBiz cite School of Economics, Maine Brewers’ Guild study in article on water supply protection**

**28 Mar 2019**

[The Times Record](#) and [MaineBiz](#) cited a study, published in 2019 by the University of Maine School of Economics in collaboration with the Maine Brewers’ Guild, in an article about craft breweries supporting protection for the state’s water supply. Thirteen Maine breweries and the Natural Resource Council of Maine are coming together in the Maine Brewshed Alliance, a new initiative with the goal of protecting Maine’s clean water, the article states. Maine has some of the cleanest water in the country — water from the Sebago Lake watershed needs to be filtered only once, allowing breweries to keep their prices down. The alliance is committed to supporting policies and programs that will protect clean water and help raise funds and awareness, to support both a healthy environment and a growing craft brewing industry, The Times Record reported. The industry contributed more than \$260 million to the state’s economy in 2017 and employed almost 2,000 Mainers, according to the UMaine study. The [Portland Press Herald](#) published the Times Record article.

#### **Sun Journal previews April shows at Emera Astronomy Center**

**28 Mar 2019**

The [Sun Journal](#) previewed April shows at the University of Maine’s Emera Astronomy Center. Shows include “Sesame Street — One World, One Sky” at 10 a.m. April 2; “Habitat Earth” at 7 p.m. April 5, 12, 19 and 26; “Linkin Park Numb” at 9 p.m. April 5, 12, 19 and 26; “Earth, Moon, and Sun” at 2 p.m. April 19; “Life of Trees” at 2 p.m. April 7, 14, 17, 21 and 28; “Magic Treehouse: Space Mission” at 2 p.m. April 15; “Cosmic Recipe” at 2 p.m. April 16; and “Dawn of the Space Age” at 2 p.m. April 18. Tickets for all programs are \$6 for adults; \$5 for UMaine students, veterans and senior citizens; and \$4 for children under 12. Tickets are available [online](#), by calling 581.1341, or at the box office prior to the show. The Sun Journal article also noted the April lineup will include an installment of the Science Lecture Series with Grant Tremblay, an astrophysicist at the Harvard-Smithsonian Center for Astrophysics. Tremblay will discuss the Hubble Space Telescope, the Chandra X-ray Observatory, and the future of space telescopes. The Science Lecture Series is a partnership project with the Maine Science Festival and takes places on the third Thursday of each month, featuring research from a variety of disciplines around the state, according to the article. Season passes for the October 2018–April 2019 series can be purchased by calling 581.1341 or by inquiring at the box office. More information is [online](#).

#### **Wired speaks with Blackstone about childfree choice**

**28 Mar 2019**

[Wired](#) magazine spoke with Amy Blackstone, a professor of sociology at the University of Maine and author of the forthcoming book “Childfree by Choice,” about an article on reasons behind the choice not to have children. “There have always been people who have made the choice not to have children, but we’ve never noticed them in that way,” Blackstone said. “What’s different is that we’re talking about it openly now.” People who make the choice not to have children can have a variety of reasons, including the current economic and social environment in which they live, according to the article. For example, “The reality is that in the U.S., we have some of the worst supports for parents in the workplace in the world,” Blackstone said. “I wish we could shift conversations away from ‘What’s wrong with you?’ and toward why some people are hesitant to become parents. If there are cultural problems, let’s solve them. But then leave the rest of us alone.”

#### **Sen. Susan Collins, Secretary of Energy praise UMaine’s offshore wind efforts at hearing**

**29 Mar 2019**

Republican U.S. Sen Susan Collins lauded the University of Maine’s leadership on offshore wind at a March 27 hearing of the U.S. Senate Appropriations Subcommittee on Energy and Water Development in Washington, D.C. U.S. Energy Secretary Rick Perry responded that Maine Aqua Ventus is “a really important step” and called UMaine an “integral partner” in the pursuit of developing technology to harness offshore wind energy. He added the floating platform technology developed at UMaine is a “really fascinating type of innovation.” A video clip of the hearing is [online](#).

#### **Harley Rogers: Political science student investigates how public perceives female leaders — past and present**

**29 Mar 2019**

How does the public perceive a woman running for president? Harley Rogers aims to answer that question by connecting the past to the present through her investigation of public opinion surrounding female political leaders. Rogers developed an interest in politics and history in high school after taking a series of social studies courses, as well as an early college history course. "I quickly became fascinated in learning more about the history of government and the important people within government," says the Lincoln, Maine native and third-year political science student at the University of Maine. "I also was particularly interested in the powerful female figures when they would show up." Her interest grew into a passion when she enrolled at UMaine and added a history minor almost immediately. She also chose a leadership studies minor, spurred by her career aspirations in politics. "I love to build my understanding of the world throughout different time periods, and use that knowledge to understand politics today," she says. Rogers' Honors thesis research developed from her interests and participation in the Margaret Chase Smith Recipe Research Collaborative, an interdisciplinary group of students and faculty who are passionate about food and interested in studying the role of recipes and cooking in politics and public life, as well as issues related to history, gender and the environment. The members of the collaborative analyze Smith's personal recipes as historical artifacts to learn more about the different facets of her life, and Rogers says the interdisciplinary nature of the collaborative promotes individual research to encourage "more unique approaches to the same woman's life." For her thesis, Rogers is working with Rachel Snell, a lecturer in the Honors College and a co-founder of the collaborative, and Amy Fried, a professor in and chair of the Political Science Department. Rogers is comparing the gendered expectations found in newspaper coverage of Margaret Chase Smith during her 1964 presidential primary run with coverage of Hillary Clinton's presidential primaries in 2008 and 2016. "Despite the 60-year difference, both women faced commentaries on their sex and how it would negatively impact their ability to be president, despite both having years of experience in elected positions," Rogers says. And this influenced their actions in leadership roles. For example, Smith exhibited traditional expectations of women, while simultaneously serving in Congress for several decades. "She would frequently cook for other governmental officials on weekends and would send out recipes from her Senate office to constituents who asked for them. It is my expectation that this was an attempt, subconscious or not, to maintain the expectations of women at the time," says Rogers. "On the other hand, Clinton has maintained a career-woman image in her time in politics, and frequently challenges the traditional role of women. Due to this, she is often referred to as 'cold' and 'distant.'" Rogers plans to compare how the two women's projected identities influenced their public perception during their presidential campaigns. The project brings her to the Margaret Chase Smith Library to look at newspaper clippings of all the articles featuring Smith. Rogers will focus on articles printed during the primary. "The newspapers also provide many public polls taken during 1964, giving me direct quotes from individuals of the time and their thoughts on the possibility of a woman president," says Rogers. For example, these two quotes were published in the Feb. 3, 1964 issue of the Independent Press Telegram in an article titled "Should the Next President be a Woman?" and give a glimpse into the range of opinions that existed at the time: *"A woman putting her hat into the ring is either very silly or very courageous. But more power to her. Someone had to start it."* — Elizabeth Hudson *"Women make wonderful wives, but I think top leadership roles belong to men. I think we should keep it that way."* — Bill Boyd Rogers plans to compare her findings to articles from those same papers, if they are still in publication, that feature Clinton, and dive into the research full time this summer. "In the end, I would like to look at how opinions have changed, what ideas of women's roles have stayed consistent, and look at how female politicians have to make conscious decisions in presenting their identity in order to find a balance of femininity — feminine enough to be well liked, but not too feminine that people would wonder [about] their capability in the role," Rogers says. Outside of research and classwork, Rogers loves spending time with family and friends, going to concerts with her fiancé, and taking care of their bearded dragon, Francis.

### UMaine Extension adaptive gardening class begins April 3

29 Mar 2019

University of Maine Cooperative Extension is offering a four-week course in adaptive gardening beginning noon–2:30 p.m. April 3 at the UMaine Extension Penobscot County office in Bangor. Remaining classes meet April 10, 17 and 24, with a snow date of May 1. The course is for individual gardeners and service providers supporting gardeners with physical or cognitive challenges that may affect their ability to garden. Focusing on individual abilities will be the theme as presenters share information about adaptive tools, planting strategies, pest management, and practical affordable garden design recommendations to help make gardening more approachable, safe and fun. Significant time will be dedicated to discussion, networking and sharing ideas. The \$50 fee includes materials and light refreshments. Register online. For more information, contact the Penobscot County Extension Office, 942.7396, 800.287.1485 (in Maine); [extension.penobscot@maine.edu](mailto:extension.penobscot@maine.edu). To request a reasonable accommodation, contact Kate Garland, 942.7396, [katherine.garland@maine.edu](mailto:katherine.garland@maine.edu).

### Penobscot Bay Pilot reports Hutchinson Center to offer degrees in educational leadership, development

29 Mar 2019

The [Penobscot Bay Pilot](#) reported the University of Maine Educational Leadership Program will offer an education specialist (Ed.S.) degree through the Hutchinson Center in Belfast. The three-year, 33-credit certificate is a terminal degree program that allows educators to apply to the Maine Department of Education for certification in a variety of district-level leadership positions, the article states. The Ed.S. in District Leadership Development program is cohort based, with a focus on workforce development through hands-on experience. Coursework will be delivered online with two or three live meetings each semester at the Hutchinson Center and throughout Maine, according to the article. The [Penobscot Bay Pilot](#) also reported the Hutchinson Center will offer an M.Ed in educational leadership in an online, low-residency format. The 13-course program offers 40 credits, including an internship experience, with 80 percent of classes available online and 20 percent of coursework offered through weekend meetings. Classes meet most weeks from 5–7:30 p.m. through video conferencing, and two or three Saturdays for face-to-face leadership work from 8:30 a.m.–2:30 p.m. at the Hutchinson Center, the article states. Applications for both programs are [online](#) and must be received no later than June 1. For more information, email Paul Knowles at [paul.d.knowles@maine.edu](mailto:paul.d.knowles@maine.edu).

### Turner Publishing, VillageSoup advance stops on UMaine band's spring tour

29 Mar 2019

[Turner Publishing](#) and [VillageSoup](#) advanced performances as part of the University of Maine Symphonic Band's spring tour. The UMaine Symphonic Band will join the Edward Little High School Concert Band for a free concert at 7 p.m. April 3 in the Edward Little gymnasium in Auburn, Turner Publishing reported. The Symphonic Band consists of 55 musicians and is conducted by Christopher White, with associate conductor Philip Edelman and assistant conductor Erik Paulsen. The program will be chosen from standard concert band literature as well as some modern pieces, and will feature two student solo competition winners, Mason Duplissie on trombone and Brandon Emerson on trumpet, according to Turner Publishing. The UMaine Symphonic Band also will perform a free concert with the Medomak Valley Concert Band at 7 p.m. April 6 in the Ronald E. Dolloff Auditorium at Medomak Valley High School in Waldoboro, VillageSoup reported. For more information about the Medomak Valley concert, call Peter Stuart at 832.5389, ext. 115.

### Annual Juried Student Art Exhibition to open April 5

29 Mar 2019

The University of Maine Department of Art will present the 2019 Juried Student Art Exhibition that features work by current studio art, art history and art education students. [caption id="attachment\_66143" align="alignright" width="300"]



"Pollen" (detail) by Sarah LaFontaine[caption] The exhibition will be on display April 5 to May 3 in Lord Hall Gallery. The venue provides an opportunity for undergraduate students at all levels to exhibit their work.

This year, 102 works of art were selected from more than 350 submissions in a range of media. Paintings, drawings, prints, photographs and design, as well as sculpture and ceramic work are included in the exhibition. Carl Little, an art writer and critic, along with UMaine art professors Laurie E. Hicks and Giles Timms, juried the exhibition. The campus community, family and friends are welcome to attend the artists' reception and award ceremony 5:30–7 p.m. Friday, May 3. Approximately 40 awards and recognitions will be given in studio, art history and art education areas. Awards, in the form of scholarships and travel grants, as well as book and exhibition prizes, will be presented to students who have excelled in their work. The exhibition is free and open to the public. Lord Hall Gallery is open 9 a.m.–4 p.m. Monday through Friday and is wheelchair accessible.



## UMaine graduate student researchers attend GradCAP workshop

01 Apr 2019

University of Maine graduate students whose research focuses on climate change effects and adaptation in agriculture, forestry and aquaculture attended a workshop at the Gulf of Maine Research Institute in Portland, Maine on March 19, capping a yearlong project offered by the U.S. Department of Agriculture Northeast Climate Hub network. The project, Northeast Graduate Student Climate Adaptation Partners (GradCAP), has involved 15 master's and doctoral students from six USDA Northeast Climate Hub partner institutions from West Virginia to Maine. [GradCAP](#) is designed to build a digital library of information and a webinar series based on their research. The UMaine graduate students in the cohort this past year who attended the workshop are Ruth Sexton, master's student in ecology and environmental sciences; Sonja Birthisel, a recent Ph.D. graduate in ecology and environmental sciences, now a postdoc and co-coordinator on GradCAP; Alyssa Soucy, master's student in forestry; and Longhuan Zhu, a Ph.D. student in civil and environmental engineering. Also in the cohort from UMaine is Brogan Tooley, master's student in plant, soil and environmental sciences. At the GradCAP workshop, the students heard from speakers who included Andrew Pershing of the Gulf of Maine Research Institute; Nathan Robbins, Maine Department of Environmental Protection; Jennifer Shakun, Manomet; Jason Lilley, UMaine Cooperative Extension; and Erin Lane and David Hollinger, Northeast Climate Hub. USDA Northeast GradCAP scholars was developed by Ivan Fernandez, Distinguished Maine Professor in the School of Forest Resources and Climate Change Institute and the UMaine representative to the USDA Northeast Climate Hub, and Erin Lane, coordinator of the USDA Northeast Climate Hub. The project offers a template for future support — training, experiential learning and opportunities to gain field experience — of early career professionals across the spectrum of initiatives led by the USDA and other agencies. In 2014, the USDA Northeast Climate Hub, a collaboration of USDA agencies, announced partnerships with UMaine and 15 other land grant universities in the Northeast to give the region's farmers, foresters and land managers better access to information and tools for adapting to climate and weather variability. Based in Durham, New Hampshire, the USDA Northeast Climate Hub is one of seven regional hubs nationwide formed to address increasing climate and weather-related risks to agriculture, broadly defined to include farms, forests and aquaculture. The partnership is focused on creating a network of information sharing designed to provide stakeholders with resources to both mitigate greenhouse gas emissions and adapt to the challenges of a changing climate. The universities are active partners in developing, implementing and evaluating materials that describe how to best cope with increasing weather variability and longer-term trajectories of change in the climate system. Fernandez is UMaine's point of contact for the USDA Northeast Climate Hub.

## Personal computer pioneer Chuck Peddle to speak at 'Disruptive Innovation'

01 Apr 2019

University of Maine alumnus and "father of the personal computer" Chuck Peddle will deliver the keynote at "Disruptive Innovation," a moderated panel discussion April 5 on campus. Peddle, a Bangor native who earned a bachelor's degree in engineering physics from UMaine in 1959, is best known for his creation of the concept of distributed intelligence and the 6502 microprocessor. His work on the first affordable mass-produced chip enabled companies such as Commodore and Apple to release personal computers to the public. Joining Peddle in a discussion of how technology will advance our future will be UMaine alumni Chris Joyce, MaineFab manager at Texas Instruments, Inc. in South Portland, and Bruce Fournier, retired vice president at TriQuint Semiconductor in Hillsboro, Oregon. Alumnus Steve Swan, site quality engineering manager at Texas Instruments, will moderate the panel discussion. The free public event begins at 2 p.m. in Hill Auditorium of the Engineering Science Research Building. Attendees may request a Professional Development Hours certificate. Space is limited. To attend, RSVP [online](#). For more information or to request a reasonable accommodation, contact Christopher Karlen, 581.2204. Peddle also will be presented two awards while visiting his alma mater: the Edward T. Bryand Distinguished Engineering Award from the College of Engineering, and an Alumni Career Award from the University of Maine Alumni Association. "Chuck's work has had far-reaching implications in the computing world," says Dana Humphrey, dean of the UMaine College of Engineering. "More people should know about what he has done for the industry and the modern world of computing technology. Every time we use our phone, tablet or laptop, we owe a large debt to the work Chuck has done over the years. It is an honor to bestow such a visionary with these awards." Peddle began his career at General Electric where he developed the concept of distributed intelligence. In 1973, he joined Motorola to assist with the development of the 6800 microprocessor. Seeing the potential for a cheaper microprocessor, Peddle left to form MOS Technology, where he designed the seminal 6502 microprocessor. Through measures such as simple onboard features, standardized die sizes and an industry-leading 70 percent manufacturing success rate, Peddle was able to release the chip for \$25. The low cost of the chip led to the development of the world's first personal computer, the Commodore PET. Other companies including Apple, Atari and Nintendo also used the chip in groundbreaking products.

## Winners of 2019 Three Minute Thesis competition announced

01 Apr 2019

Eleven graduate students competed in the annual Three Minute Thesis (3MT) competition on March 25 at the Innovative Media Research Center at the University of Maine. The unique competition, developed by the University of Queensland, requires presenters to explain their research using language the general public would comprehend in three minutes. The competitors were allowed to use a single PowerPoint slide without any other resources during their presentation. Winners of the competition were:

- Cameron Hodgdon, doctoral candidate in marine biology, "Incorporating environmental drivers to improve assessment and projections for American lobster in a changing Gulf of Maine and southern New England," first place;
- Atefeh Rajaei, doctoral candidate in biochemistry and molecular biology, "Alternative ways of combating bacterial infections," second place; and
- Charitha Perera, doctoral candidate in chemistry, "Artificial photosynthesis: Turning water into Hydrogen (H2) fuel using sunlight," third place.

Judges included James Beaupre, director of UMaine's Industrial Cooperation Department; Veena Dinesh, director of business incubation at the UMaine Foster Center for Student Innovation; and Elena Metzger, owner of Print Bangor. The three finalists will present at the [UMaine Student Symposium](#) on April 10 at the Cross Insurance Center in Bangor. Hodgdon's winning [presentation](#) will represent UMaine at the annual Northeastern Association of Graduate Schools regional 3MT competition April 11–13 in Philadelphia, Pennsylvania. "The Three Minute Thesis competition makes you think differently about your research than you ever have," Hodgdon says. "Too many of us simply see our research as numbers and equations and models and charts, but it's more than that — it's an impact." A complete list of 3MT presenters and more information is [online](#). The UMaine 3MT competition is co-sponsored by the UMaine Graduate School and the Foster Center for Student Innovation.

## SPIA to host talk on possibility of coevolution between U.S., China

01 Apr 2019

The School of Policy and International Affairs at the University of Maine will host a talk titled "Can We Live with China? A Roadmap for Co-Evolution" at 5 p.m. April 2 in the McIntire Room of Buchanan Alumni House. The talk will be given by Susan Thornton, visiting lecturer in law at Yale Law School and a senior fellow at the Paul Tsai China Center, as well as former assistant secretary of state for East Asian and Pacific affairs. In 2018, she retired from the State Department after a 28-year diplomatic career focused primarily on East and Central Asia. In leadership roles in Washington, Thornton worked on China and Korea policy, including stabilizing relations with Taiwan, the U.S.-China Cyber Agreement, the Paris Climate Accord and leading a successful negotiation in Pyongyang for monitoring of the Agreed Framework on denuclearization. Thornton holds degrees from the National Defense University's Dwight D. Eisenhower School for National Security and Resource Strategy, the Johns Hopkins University School of Advanced International Studies and Bowdoin College. She speaks Russian, Mandarin and French, is a member of numerous professional associations and is on the Board of Trustees for the Eurasia Foundation.

## BDN includes Healthy High in roundup of participatory sports events in Maine

01 Apr 2019

The [Bangor Daily News](#) included the 12th annual Healthy High 5K/10K/15K race at the University of Maine in the article "8 events to get you involved with sports in Maine." The 15K will start at 9 a.m. April 27, followed by the 5K/10K beginning at 9:30 a.m. All races start at the New Balance Student Recreation Center and continue on a course around campus. The courses will be timed until 1 p.m., and the 5K and 10K courses are certified by USA Track & Field, the article states. Prizes will be awarded for the top male and female runners in each of the divisions.

## VillageSoup announces annual UMaine tuition raffle

01 Apr 2019

[VillageSoup](#) announced the University of Maine Alumni Association has launched its annual tuition raffle, which will pay at least \$8,790 (the equivalent of 30 credit hours at the in-state undergraduate tuition rate) to cover the recipient's tuition at the University of Maine for the 2019–20 academic year. Anyone 18 years of age or older can participate in the raffle and designate a UMaine student to receive the prize. The Alumni Association suggests a \$5 donation per ticket, and net proceeds from the raffle will go toward supporting the organization's programs on behalf of students and alumni, the article states. Mailed tickets must be postmarked no later than May 1, and tickets may be hand-delivered to the Buchanan Alumni House until 4:30 p.m. May 6. The drawing will be held at noon May 7 and will be streamed live on Facebook. More information is available [online](#) or by calling Erica Sturrock, 581.1138. [WABI](#) (Channel 5) and [WVUU](#) (Channel 7) also advanced the raffle.

## Ellsworth American quotes Isenhour in article on recycling

01 Apr 2019

[The Ellsworth American](#) quoted Cynthia Isenhour, an assistant professor of anthropology and climate change at the University of Maine, in an article about the opening of Fiberight waste processing facility in Hampden, which will include recycling. Fiberight will have a sorting process that will be able to recover recyclables that have been thrown in the trash by accident, but the company's officials urge consumers to still clean recyclables before tossing them, according to the article. Reducing waste should still come as a first step before recycling. "If we're looking at the status quo (producing a lot of single-use packaging — bottles, cans, films, glass — and throwing most of it in a landfill or incinerator), then yes, life cycle analyses suggest that we should be recycling," said Isenhour. But, "The most important thing we can do for the climate is focus on reduction and reuse. While we're recycling a lot, the material and energetic gains are cannibalized by growth in production and consumption of new materials," she added.

#### **WABI, WVII cover Pets 4 Vets benefit dodgeball tournament**

**01 Apr 2019**

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) covered Pets 4 Vets, a dodgeball tournament on March 31 at the University of Maine to raise money for service dogs for veterans. The event, in its third year, featured nearly 40 teams and was sponsored by Maine Business School Corps, UMaine ROTC and the UMaine Veterans Association, WABI reported. Proceeds from the event went to Salute of Service, a Searsport-based organization that provides and trains dogs for veterans with post-traumatic stress disorder and injuries. "It's good for the cadets in my program who are going to be future leaders to do these kinds of things for veterans," said Lt. Col. Mike Davis, a professor of military science with UMaine ROTC.

#### **Media report on inauguration of Ferrini-Mundy, UMaine's 21st president**

**01 Apr 2019**

The [Bangor Daily News](#), [News Center Maine](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported Joan Ferrini-Mundy was inaugurated as the 21st president of the University of Maine in a March 29 ceremony at the Collins Center for the Arts. Ferrini-Mundy also leads the University of Maine at Machias (UMM), a regional campus of UMaine. Nine months after Ferrini-Mundy took office, the position became official in the ceremony that included performances from students and invited speakers. "With her leadership and talent already overflowing at the University of Maine, we will build the bridge between today and a new tomorrow for Maine students, businesses and our entire state," said Gov. Janet Mills, one of the keynote speakers. "Her influence was felt far beyond the National Science Foundation. It's her approach to problems, her inclusion of many in their solutions and her fearlessness in taking on everything," said France Córdova, director of NSF and the other keynote speaker, referring to Ferrini-Mundy's work as NSF chief operating officer before coming to UMaine. "I know that Joan has a great vision for research and development for the University of Maine. A vision that embraces all of the state of Maine," Córdova said. James Page, chancellor of the University of Maine System, who plans to step down at the end of the academic year; and James Irwin, chair of the UMaine Board of Trustees, presented Ferrini-Mundy with the presidential medallion to officially inaugurate her, the BDN reported. "Being president is an honor that comes with sometimes daunting responsibilities and always meaningful rewards. I am very pleased to be here to connect, commit and converge with you," President Ferrini-Mundy said. "It just couldn't have been a more wonderful and meaningful day." Ferrini-Mundy's initial goal as president is to highlight how UMaine and UMM are key resources for the state, News Center Maine reported. "The most important thing for me is to be sure that the great work we do here is really getting the visibility nationally and internationally that we want for it to have, to be sure that we are getting the story out that we are making a difference in the state of Maine," she said.

#### **WEX CEO Melissa Smith returns to campus as Distinguished Maine Policy Fellow**

**01 Apr 2019**

University of Maine alumna Melissa Smith, president and CEO of WEX, will return to campus April 11 as a Margaret Chase Smith Policy Center Distinguished Maine Policy Fellow. In 1991, Smith earned a bachelor's degree in business administration with a concentration in accounting at UMaine. At WEX — a provider of payment solutions that serves millions of companies worldwide — she leads the creation and execution of global strategy and development of talent and culture. The native of Winn, Maine grew up on



a potato farm. She says her mother was her first role model. [caption id="attachment\_66172" align="alignright" width="223"] Melissa Smith[caption] "I come from a long line of strong women, and my mom taught me to be willing to try," Smith says on the WEX website. "She felt strongly that women should be able to support themselves and is a huge advocate for the importance of education. I think the key is to form a relationship with those you can learn from. Be willing to share and seek advice." Smith also says she is "incredibly open to people telling you that you're wrong — which happens to me with some frequency — then move from that point into something that may be even better." She has been recognized for her achievements on multiple occasions during her 22 years at WEX, which employs more than 3,300 people in 11 countries, and went over \$1 billion in annual revenue in 2016. In 2017, Smith was a MaineBiz Business Leader of the Year. In 2015, she earned the Maine Women's Fund's tribute to Women in Industry Award. In 2014, Smith was PYMNTS.com's Most Innovative Woman in Payments and one of PaymentsSource's Most Influential Women in Payments. In 2013, the Girl Scouts of Maine presented her with a Women of Distinction Award and in 2012, MaineBiz listed Smith as a Woman to Watch. Her daylong UMaine visit is scheduled to include a tour of the Veterinary Diagnostic Laboratory, a visit to the Foster Center for Student Innovation, and a talk with Maine Business School students at Minsky Recital Hall. Smith serves on the board of directors at Maine Health and Dead River. She participates in the Maine Cancer Foundation's Tri for a Cure and she co-founded sheJams — which provides an atmosphere for women to train together in a noncompetitive spirit. [Distinguished Maine Policy Fellows](#) are prominent Maine individuals with past or current careers as policymakers in the state. The Margaret Chase Smith Policy Center invites them to campus to present to an undergraduate class, engage faculty about research and public policy, and meet with administration and students. Recent fellows include Susan Corbett, Erin Herbig, Dawn Hill, David Bernhardt, Walter Whitcomb, Ellie Espling, Patrick Woodcock, Sara Gideon, Barton Seaver, Matt Dunlap, Roger Katz, Justin Alford and Chris Rector.

#### **Oscar Degnan: Kinesiology and physical education grad recognized as outstanding future professional**

**01 Apr 2019**

Oscar "Ozzy" Degnan of Bangor remembers the shock and excitement he felt when he received the email informing him that he had been selected by the Society for Health and Physical Educators (SHAPE) as an outstanding future professional. Degnan, who graduated from the University of Maine in December 2018 with a degree in kinesiology and physical education, will represent the United States' Eastern District (stretching from Maine to Maryland) at this year's [SHAPE America](#) National Convention. "I'm very honored," he says. "I know not many people get selected to go from UMaine, so it's an extremely humbling experience." Degnan is the third UMaine student in the past 40 years to be recognized as an outstanding future professional by SHAPE America. "We're all thrilled for Ozzy and know he's going to do a fantastic job representing UMaine at the national conference," says Chris Nightingale, assistant professor of physical education and athletic training, and program coordinator for the teaching and coaching concentration. Degnan attended the Maine Association for Health, Physical Education, Recreation and Dance (MAHPERD) conference all four years of his undergraduate career. The state association put his name forward to the Eastern District, which selected him to attend the national conference. "I've learned a ton from attending the MAHPERD conference, so I'm beyond excited to get this opportunity to learn from professional educators at SHAPE America," he says. The KPE program, Degnan says, did a great job getting him ready for a career in physical education. He did field placements at local schools, and his student teaching took place at Old Town Elementary and Orono Middle and High schools. Among his favorite classes was KPE 265: Outdoor and Adventure Activities, where students learn to manage outdoor education experiences, such as snowshoeing, skiing, ice fishing and hiking. "All of my professors and advisers throughout my undergrad were extremely supportive and motivating," Degnan says. "They pushed me every day to be better, and to actually want to be better. The entire department wants to put each student in the right position to succeed, and I feel that they do that." In his spare time, Degnan enjoys playing basketball and racquetball, as well as swimming, skiing and bowling. Since graduating he has been substitute teaching at schools in Orono and Old Town. He also coached boys' freshman basketball at Hampden Academy. Degnan liked his undergraduate experience so much that he has applied for graduate school at UMaine, in the educational leadership program. "UMaine is truly spectacular. The campus is beautiful, the professors are great, the rec center is unbelievable, and the library is top notch," he says. Degnan will attend the SHAPE America National Convention and Expo, April 9–13 in Tampa, Florida.

#### **Townsend finds mice fed foods rich in omega-3 polyunsaturated fats sustain tissue damage**

01 Apr 2019

Some people trying to eat healthy increase their consumption of salmon, tuna or mackerel — foods rich in omega-3 polyunsaturated fats (n-3 PUFA). People also take fish oil supplements that boost intake of vitamin D for healthy bones and muscle, and to regulate the release of serotonin, which affects appetite and stress. And why not? The prevailing nutritional narrative is that diets that include omega-3 fatty acids and fish oil supplements are metabolically healthy, says Kristy Townsend. But the University of Maine neurobiologist demonstrated, for the first time, that while young mice on an n-3 PUFA diet had a striking reduction in weight gain, they also sustained adipose, or fat, tissue damage and dysfunction. That's because the n-3 PUFAs had undergone peroxidation, a process of nonenzymatic degradation that produces toxic fatty acid byproducts. Regardless of the source of the n-3 PUFAs, including tinned fish and fish oil supplements, as well as attempts to mitigate the process of peroxidation, Townsend found most sources contained high levels of potentially harmful peroxidized lipids. These findings potentially have important implications for human nutrition and dietary health, says the associate professor of neurobiology. Since the brain is second only to adipose tissue (fat, or loose connective tissue that stores energy and cushions and insulates the body) in terms of fat/lipid content, it's important to understand how dietary fats affect brain and adipose lipid metabolites — small molecules involved in metabolism — and their cellular functions. The types of tissue damage Townsend observed in the adipose of mice on the peroxidized n-3 diet also has been observed in people, and has been linked to underlying mechanisms of cardiovascular disease, cancer and neurodegenerative diseases, including amyotrophic lateral sclerosis (ALS), Parkinson's disease, Alzheimer's and Huntington's disease. "While we do not yet know if these findings in mice represent what happens in humans, and if the damage to adipose tissue truly has a whole-body negative consequence on health, it gives one pause in considering the source and quality of the n-3 fatty acids they eat," says Townsend, who has discontinued taking a fish oil supplement out of an abundance of precaution based on data from the study. Instead, she focuses on fresh — instead of tinned — fish and plant sources of n-3 PUFAs, and a variety of dietary fats. An [article](#) detailing the findings, "A peroxidized omega-3-enriched polyunsaturated diet leads to adipose and metabolic dysfunction," was published online in February 2019 in ScienceDirect's Journal of Nutritional Biochemistry. Townsend fed 10-week-old male mice one of six custom diets for 16 weeks. The diets only differed in the amount and type of dietary fat, with high or low levels of saturated fats (SFA), omega-6 polyunsaturated fatty acids (n-6 PUFA) or n-3 PUFA. Protein and sucrose content was the same, as well as micronutrients. And caloric content was consistent among all the high- or low-fat groups. As Townsend expected, based on studies exploring diets like the n-3 enriched Mediterranean diet that has gained popularity, mice on the high n-3 PUFA diet had a drastic reduction in weight gain and an improvement in parameters that indicate diabetes risk. This occurred despite their reduced expenditure of energy and no difference in food intake, a finding that was counterintuitive. Townsend's study also revealed an unexpected outcome: Despite apparent benefit to whole-body physiology, including decreased fat and body weight, mice on the enriched n-3 PUFA diet had fat tissue damage and dysfunction due to peroxidation. The mice had fibrosis, or excess fibrous connective tissue that interferes with the tissue's function; reduced anti-inflammatory response; presence of lipofuscin, a marker of tissue damage; and loss of proper nerve supply in white adipose tissue (WAT). WAT has a role in storing energy and releasing fatty acids when the body requires fuel, and plays other important roles in metabolism, and in the endocrine and immune systems. Townsend found this same high level of peroxidation in common fish oil supplements measured by her lab and in food items high in n-3 PUFAs, including tinned sardines and salmon. Thus, Townsend says, any health benefits gained by taking the supplements may be outweighed by the risks. In the U.S., there aren't standards for peroxidation levels in fish oil supplements, and there is no market control of products. Other countries, says Townsend, do regulate these levels in supplements. The study's findings also are important for pets who eat fish-based foods that may be peroxidized. Co-authors include James Miller, Magdalena Blaszkiewicz, Cordell Beaton, Cory Johnson, Stephen Waible II, Amanda Dubois and Amanda Klemmer from UMaine, and Michael Kiebish of the biopharmaceutical company BERG who analyzed lipid content in tissues after the six custom diets. Johnson, a graduate student in the School of Biology and Ecology, will give a talk on the topic and ongoing work related to the study, "Sending Signals: Adipose Sensory Nerves May Communicate with the Brain via Lipid Metabolites," on April 3 at a [Keystone Symposium](#) in Steamboat Springs, Colorado. Contact: Beth Staples, 207.581.3777

#### Drew Brooks named 2019 valedictorian, Ana Eliza Souza Cunha salutatorian

02 Apr 2019

Drew Brooks of Lyman, Maine is the 2019 University of Maine valedictorian and Ana Eliza Souza Cunha of Orono is the salutatorian. They will be honored at UMaine's 217th Commencement in Harold Alfond Sports Arena May 11. Brooks is a double major in microbiology and music, with a minor in molecular biology. He will receive two bachelor's degrees — one in microbiology, and one in music. Souza Cunha, a biology major with minors in neuroscience and psychology, and a concentration in pre-medical studies, will receive a bachelor's degree in biology. The Honors student also is the Outstanding Graduating Student in the College of Natural Sciences, Forestry, and Agriculture. [caption id="attachment\_66191" align="alignright" width="223"]



Drew Brooks[caption] "Drew and Ana are two outstanding undergraduate students from Maine who took full advantage of the breadth and depth of a research university," says UMaine President Joan Ferrini-Mundy. "Accomplishments in the classroom, laboratory and in community engagement highlight their UMaine student experience, and we look forward to seeing just how far their talents and training will take them." Brooks' many academic honors include multiple scholarships and Frederick Radke Undergraduate Research Fellowships. A 2018–19 UMaine Center for Undergraduate Research Fellowship helped fund his research, "The role of MyD88 in macrophage recruitment to *Candida albicans* infection in the zebrafish swim bladder," in the lab of associate professor of microbiology Robert Wheeler. Since his sophomore year, Brooks has been a student researcher in the Wheeler Lab studying the fungus *Candida albicans*, which can cause life-threatening infections in immunocompromised individuals. He has been modeling fungal infections in the swim bladders of zebrafish to gain insights into how fungal pathogenesis occurs in humans, and how to better prevent or treat these infections. In particular, he has been looking at the importance of a protein, myeloid differentiation factor 88 (MyD88), in *C. albicans* infections, and whether it plays a role in recruiting immune cells that help clear the infection. "I have thoroughly enjoyed working in the Wheeler Lab over the past three years," Brooks says. "I am so grateful for the opportunity to conduct research that may one day help to save someone's life." Beyond the classroom and lab, Brooks has participated in five UMaine music ensembles — University Singers, Black Bear Men's Chorus, Oratorio Society, Euphony Chamber Choir and Opera Workshop. His vocal training has been primarily geared to operatic vocal performance, which has led to his extensive involvement as a baritone in Opera Workshop productions. He hopes to continue his vocal training when he moves to Boston this summer. As a sophomore, Brooks was accepted to Tufts University School of Medicine through the Maine Track Early Assurance program. In August, he will start his first year of medical school. A full Q&A with Brooks is [online](#).



Ana Eliza Souza Cunha[caption] Souza Cunha's numerous honors include the 2018 Dr. Susan J. Hunter Presidential Research Impact Award, the Frank B. and Charles S. Bickford Memorial Prize, and a Servant Heart Scholarship. She will graduate with highest honors for her thesis, "Evaluating A Doppler Radar Monitor For Assessing Honey Bee Colony Health." Souza Cunha has been volunteering to assist in UMaine research projects since she was 14 years old. As an undergraduate research intern, she has tagged and followed wood frogs to observe their migration patterns, studied sun-drying techniques on marine worms in oysters, and worked on pesticide-free weed control techniques in sustainable agriculture. Souza Cunha also has studied the effects of diets and peripheral nerves on adipose health and thermogenesis, and how radar could be used to monitor bee health. As a student ambassador for the School of Biology and Ecology, she mentors peers on UMaine academic and engagement opportunities. Souza Cunha's own community engagement experiences include volunteering with the UMaine chapter of Partners for World Health and Operation H.E.A.R.T.S. She has worked as a certified nursing assistant at Dirigo Pines Retirement Community in Orono and job shadowed at four health care facilities in Bangor and Lewiston. "I have traveled across the state of Maine taking part in community service that has allowed me to expand my medical

knowledge,” Souza Cunha says. “By traveling and volunteering at different medical institutions such as hospitals — rural and urban, retirement homes and mental health institutes, I have been able to identify future locations where I may see myself one day becoming a physician.” Following graduation, Souza Cunha will be working in clinical research in Boston, and plans to apply to medical or graduate school. A full Q&A with Souza Cunha is [online](#). Contact: Margaret Nagle, 207.581.3745

#### **UMaine Extension farm tractor safety courses begin April 3**

**02 Apr 2019**

Farm tractor safety classes taught by University of Maine Cooperative Extension educators and area experts begin 6–8 p.m. April 3 at Union Farm Equipment, 1893 Heald Highway, Union. Courses also are scheduled in Cumberland, Kennebec, Oxford and Waldo counties. The multi-session classes are designed for adults and youth at least 14 years of age, and are required for 14- and 15-year-olds who plan to operate farm equipment for hire on farms other than their own. Participants will learn how to safely handle tractors and equipment, and how to avoid hazards and minimize chances of accidents. Certification will be issued after successful completion of the course, including written and driving tests. The fee is \$20 per person; registration is required. Registration and a complete schedule are [online](#). For more information or to request a reasonable accommodation, contact Jason Lilley, 781.6099; [jason.lilley@maine.edu](mailto:jason.lilley@maine.edu).

#### **McGillicuddy Humanities Center to host panel on poetry therapy**

**02 Apr 2019**

Robert Frost said, “Poetry is when an emotion has found its thought and the thought has found words.” For centuries, poets have espoused the therapeutic values of poetry. The discipline of poetry therapy grew from this intuitive initial awareness of the medium’s potential healing power. University of Maine student Kim Crowley, a Clement and Linda McGillicuddy Humanities Center fellow, will lead “The Personal is Poetic,” a panel event that will dive deep into the history and foundations of poetry therapy, its models and modern usages, at 3 p.m. April 3 in the Writing Center in Room 402, Neville Hall. Each panelist will provide their own perspectives and experiences on the idea of poetry as a therapeutic tool. Panelists will include Crowley; Jennifer Moxley, a professor of English; and Danielle Pafunda, visiting assistant professor of English. Cookies, coffee and tea will be provided.

#### **AP, VillageSoup advance Maine Invasive Species Network meeting**

**02 Apr 2019**

The Associated Press and [VillageSoup](#) advanced the annual meeting of the Maine Invasive Species Network, to be held April 3 at the Strand Theatre in Rockland. University of Maine Cooperative Extension is a partner of the network and helped organize the meeting, which is expected to draw more than 100 attendees this year. Invasive species professionals from around Maine, and expert guests from other New England states, will come together to share the latest news about threats and regulations, hear case studies of invasive species management and learn about biological controls and new technologies, the articles state. More information is [online](#). [Maine Public](#), [U.S. News & World Report](#) and the Plainview Daily Herald carried the AP article.

#### **BDN publishes op-ed on home health care by Butler**

**02 Apr 2019**

Sandra Butler, a professor of social work at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled “Lawmakers said home health care was important. Now it’s time for them to do something about it.” Butler is a member of the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members’ columns appear in the BDN every other week.

#### **VillageSoup previews talk on Maine’s native plants by Peterson**

**02 Apr 2019**

[VillageSoup](#) previewed a talk by Bryan Peterson, an assistant professor of environmental horticulture at the University of Maine, at noon April 9 at Merryspring Nature Center in Camden. Peterson will discuss some of the lesser-known plants of Maine, including their place in the natural landscape, their virtues, and their prospects for greater adoption in gardens and yards, the article states. The lecture is part of Merryspring’s Winter Talk series; admission is \$5 or free for members.

#### **Morning Ag Clips announces adaptive gardening class beginning April 10**

**02 Apr 2019**

[Morning Ag Clips](#) announced a University of Maine Cooperative Extension four-week course in adaptive gardening will begin April 10. The class meetings will be noon–2:30 p.m., with remaining sessions on April 17 and 24, and May 1. All sessions will be held at the UMaine Extension Penobscot County office in Bangor. The course is for individual gardeners and service providers supporting gardeners with physical or cognitive challenges that may affect their ability to garden, the article states. The course will focus on individual abilities and recommendations to help make gardening more approachable, safe and fun, with time for discussion, networking and sharing ideas. The fee is \$50 and includes materials and light refreshments. Registration is online. For more information, contact the Penobscot County Extension Office, 942.7396; [extension.penobscot@maine.edu](mailto:extension.penobscot@maine.edu).

#### **Republican Journal advances pollinator-friendly garden talk by Master Gardener**

**02 Apr 2019**

The [Republican Journal](#) advanced a talk about pollinator-friendly gardens to be given by Master Gardener Jean Vose at the Waldo County Extension Homemakers’ meeting on April 11 at the Waldo Town Hall/Community Building. Vose will discuss “Creating a Pollinator-Friendly Garden” at 12:30 p.m. Waldo County Extension Homemakers is part of Maine Extension Homemakers, which has the goals of developing leadership, promoting the University of Maine Cooperative Extension’s educational programs across the state, and supporting worthy community causes, according to the article. For more information, call the Waldo County Extension Office or Michael Bailey at 581.3872.

#### **Dog biscuits made with invasive green crabs pass the taste — and sniff — test**

**02 Apr 2019**

Angela Myracle’s research is going to the dogs. Or, more accurately, for the dogs. As a scientist with Maine EPSCoR’s Sustainable Ecological Aquaculture Network (SEANET), Myracle looks for innovations in aquaculture. And when the assistant professor of human nutrition at the University of Maine spied dog treats at a local supermarket that were made with lobster from Iceland, she thought, “What about dog biscuits made with green crabs from Maine?” If the novel idea becomes a market reality, Myracle says it could be a win-win-win situation. Voracious green crabs are decimating Maine’s clam population, threatening the livelihoods of clammers, and clogging lobster traps. Female green crabs lay about 185,000 eggs a year, according to Fisheries and Oceans Canada. And one green crab reportedly can devour 40 half-inch clams in a single day. These invasives could be to blame, at least in part, for the decrease in Maine’s soft-shell clam harvest. According to the Department of Marine Resources, the harvest has plummeted from 9.3 million meat pounds in 2015, to 7.3 million pounds in 2016 to 1.4 million pounds in 2017. So if a business entrepreneur cooked up natural, nutritious green crab treats for dogs, Myracle says people who earn their living on the sea and mudflats might be incentivized to harvest green crabs as bycatch to earn additional money. Which would result in green crabs (*Carcinus maenas*) being removed from the environment. But would the treats pass the sniff test? Would pups find that dog biscuits made with green crabs are a treat? Fergus, Nala, Myst, Ruby and Emerald did. Myracle says the unofficial favorite of area canine taste-testers was the green crab and whole wheat biscuit. They wolfed it down, she says. The green crab and oat biscuit was runner-up. As for the green crab and rice biscuit, one pooch spit it out. Myracle and undergraduate Anna Smestad, a human nutrition and pre-med major from Corinna, Maine, are continuing to experiment with ingredients and the baking procedure. Currently, they cook about 10–15 crabs — shell and all — for as long as 90 minutes, then mash them. They mix the resulting crab meal with whole wheat flour, then bake it. Myracle and Smestad also are continuing to examine the digestibility of the biscuits, as well as their nutritional value, texture and pliability. “It’s about taking a simple idea to solve a complex problem and help the Maine economy,” says Myracle. Dogs are part of the family, she says, including for tourists looking to give their furry friends a delicious treat from Vacationland. Contact: Beth Staples, 207.581.3777

#### **UMaine Extension now offering tick testing for Maine residents**

**02 Apr 2019**



University of Maine Cooperative Extension is now accepting tick samples for tick-borne disease testing. Maine residents can have ticks tested for the pathogens that cause the three most common tick-borne diseases — Lyme disease, anaplasmosis and babesiosis — for \$15 per sample. Species identification of tick samples continues to be free. Testing is done at the new UMaine Extension Diagnostic and Research Laboratory in Orono at 17 Godfrey Drive. The tick identification and testing program will allow researchers to track the spread of ticks and their associated diseases in the state, while also surveying for new tick species and pathogens. Instructions on submitting a tick specimen to the lab are [online](#). Information on different tick species of Maine, tick management, tick-borne diseases and personal protection also is available on the tick lab's [website](#) or by contacting 207.581.3880, 800.287.0279 (in Maine); tickID@maine.edu.

## **UMaine celebrates research and creativity during Maine Impact Week**

**03 Apr 2019**

Maine Impact Week celebrates University of Maine faculty, students, community and their contributions to the social and economic advancement of the state and beyond. The public is invited to attend multiple events highlighting the impact of research and creative work produced by Maine's research university the week of April 8–13. The featured event is the 2019 UMaine Student Symposium (UMSS), held 9 a.m.–5 p.m. Wednesday, April 10 at the Cross Insurance Center in Bangor. Several hundred students will present their research and creative works through posters, oral presentations and exhibits. Projects cover a range of topics in the arts, health care, science, engineering and education. Jordan Miner, a biomedical engineering student from Baldwin, Maine, appreciates the opportunity to share her research on muscular dystrophy with the public. "I am very excited to present at the UMaine Student Symposium and to learn about more research that's going around on campus," Miner says. This year, the event will host the top three finalists of the [Three Minute Thesis](#) competition as they perform their winning presentations live on stage. Stuart Kestenbaum, Maine's poet laureate, will be the keynote speaker discussing the creative process and taking questions from the audience. A sample of Maine Impact Week events: **Faculty Mentor Appreciation Day luncheon and awards ceremony** 11:30 a.m.–1 p.m. April 8 Wells Conference Center, Orono Celebrating all UMaine faculty mentors and those who go above and beyond the classroom to support students. [RSVP](#) is encouraged due to limited seating. **UMaine Student Symposium** 9 a.m.–5 p.m. April 10 Cross Insurance Center, Bangor Free and open to the public Attendees can interact one-on-one with student researchers and attend multiple events throughout the day. **Accepted Student Day** 8 a.m.–2 p.m. April 12 Collins Center for the Arts, Orono Students accepted to UMaine for the fall 2019 semester will have the opportunity to speak with faculty representatives and current students, learn more about their academic program, and explore various student services and organizations. **UMaine Marine Research and Education Open House** 10 a.m.–2 p.m. April 13 Various locations on UMaine campus Free and open to the public UMSS is an annual event hosted by the Office of the Vice President for Research and Dean of the Graduate School, the Center for Undergraduate Research, and Graduate Student Government. "The UMaine Student Symposium is reflective of Maine's flagship university at work, a world-class research university dedicated to workforce development and economic advancement benefiting Maine and beyond," says Kody Varahramyan, vice president for research and dean of the Graduate School. More events and details can be found on the [Maine Impact Week](#) and [UMaine Student Symposium](#) websites. Contact: Christel Peters, 207.581.3571

## **Thriving Under Thirty panel to kick off Maine Business School Executive Speaker Series**

**03 Apr 2019**

Four Maine entrepreneurs will talk about their businesses and how they achieved success in the first event of the Maine Business School Executive Speaker Series on April 4 at the University of Maine. Noah Bissell of Bissell Brothers Brewing Co., Kate McAleer of Bixby & Co. craft chocolates, and Jack and Max Barber of Mainely Burgers will participate in a panel discussion, "Thriving Under Thirty," beginning at 3:30 p.m. in 100 Donald P. Corbett Business Building. The event is free and open to the public. For more information or to request a reasonable accommodation, call 581.1926. "These talented young people chose to start companies in Maine after finishing college, and they're all thriving," says Susanne Lee, MBS executive-in-residence and professor of marketing. "So often we read of Maine graduates leaving the state, but we hope that through this event our students will realize the vibrancy and opportunity of Maine's economy. This is the real story." The business leaders' presentations on their challenges and achievements will be followed by a question-and-answer session. Audience members are encouraged to submit real-time questions for the panelists using mobile devices. In addition to the afternoon program, the speakers will visit MBS classes, and meet with students and faculty. The Maine Business School Executive Speaker Series highlights today's outstanding business leaders to share their exemplary qualities and achievements with UMaine students and the greater Maine economic community. "The mission of the Maine Business School is to provide excellent business education, advance business knowledge, and serve the business community," says Nic Erhardt, associate dean of the Undergraduate School of Business. "The MBS Executive Speaker Series is a dynamic, informative and celebratory way to deliver upon that mission."

## **Award-winning filmmaker to show, discuss 'Intelligent Lives' documentary**

**03 Apr 2019**

Award-winning filmmaker Dan Habib will be on campus April 4 for a free public screening of his documentary "[Intelligent Lives](#)," detailing the stories of three young American adults with intellectual disabilities. The screening at 4 p.m. in Soderberg Auditorium, Jenness Hall is sponsored by the University of Maine Center for Community Inclusion and Disability Studies, one of the documentary's major supporters. Actor Chris Cooper narrates the film about the lives of the three adults — Micah, Naier and Naomie — who challenge perceptions of intelligence as they navigate high school, college and careers. Habib, a filmmaker at the University of New Hampshire Institute on Disability, will introduce the documentary and lead a post-film discussion: "Intelligent Lives — Opening Doors to Inclusive Policies." Online registration is requested via [Eventbrite](#) or [Facebook](#). For more information or to request a reasonable accommodation, contact Ann Zielinski, 581.1084; [ccidsmail@maine.edu](mailto:ccidsmail@maine.edu).

## **WVH reports engineering students to host regional conference, race concrete canoes**

**03 Apr 2019**

[WVH](#) (Channel 7) reported the University of Maine's chapter of the American Society of Civil Engineers is hosting this year's regional conference April 13–14. About 370 students are expected to participate in the conference, which will include a steel bridge building competition, networking activities and a concrete canoe racing competition in Old Town. Past canoes have weighed as little as 150 pounds and have measured as long as 18 feet, according to WVH. "Every canoe has a theme, like ours is Breaking the Sound 'Bearer' because we're the Maine Black Bears," said Erin Brewer, president of UMaine ASCE.

## **Morning Ag Clips announces Master Food Preserver applications due May 3**

**03 Apr 2019**

[Morning Ag Clips](#) announced applications for the University of Maine Cooperative Extension Master Food Preserver program are now available, with a deadline of 4:30 p.m. May 3. Program sessions will meet primarily 5:30–8:30 p.m. Tuesdays June 18–Sept. 17 at UMaine Extension in Falmouth and at Brunswick High School. The 35-hour course combines lecture, discussion and hands-on practice, and focuses on food preservation techniques such as canning, drying, freezing and fermenting; food storage and safety; and prevention of foodborne illness, Morning Ag Clips reported. Upon completion of the course, Master Food Preservers volunteer and are resources in their communities to provide research-based information from UMaine Extension and the U.S. Department of Agriculture, the article states. Registration is [online](#), and the course fee is \$250; limited financial assistance is available. To request more information or a reasonable accommodation, call Marvin Tala at 781.6099, 800.287.1471 (in Maine); or email [marvin.tala@maine.edu](mailto:marvin.tala@maine.edu).

## **Media report UMaine Extension offering tick-borne disease testing**

**03 Apr 2019**

[The Piscataquis Observer](#), [Penobscot Bay Pilot](#) and [Z107.3](#) reported University of Maine Cooperative Extension is accepting tick samples for tick-borne disease testing at the new UMaine Extension Diagnostic and Research Laboratory in Orono. Maine residents can submit ticks for testing for the most common tick-borne diseases — Lyme disease, anaplasmosis and babesiosis — for \$15 per sample; species identification of samples continues to be free. The tick identification and testing program will allow researchers to track the spread of ticks and associated diseases in the state, and survey for new species and pathogens. More information and instructions on submitting a tick are available [online](#); by calling 581.3880, or 800.287.0279 (in Maine); or by emailing [tickID@maine.edu](mailto:tickID@maine.edu).

## **Gardner quoted in WVH, WABI reports on 'Against My Will UMaine' exhibit**

**03 Apr 2019**

Susan Gardner, director of the Women's, Gender, and Sexuality Studies program at the University of Maine, was quoted in [WVH](#) (Channel 7) and [WABI](#) (Channel 5) reports on the "Against My Will UMaine" art exhibit recognizing Sexual Assault Awareness Month. Created by artist and activist Traci Molloy, the exhibit consists of banners along the Mall on campus that tell the stories of faculty, staff and students who have been victims of sexual assault, WVH reported. "Art is its own language. Oftentimes people who are survivors of trauma can't communicate what happened. When you create a piece of art, you allow people to experience it viscerally and on a different level," said Molloy, who has worked with individuals affected by trauma for almost 20 years. The banners feature de-identified portraits to ensure the individuals remain anonymous, while the text in their handwriting tells the truth of their stories. "The more that people share their stories, the more others will share their stories, and bring awareness to something, like I said, that is very often stigmatized and silenced," said Gardner. The banners will be on campus through April 26. Molloy and some of the people featured on the banners will facilitate a free, public panel discussion at 5:30 p.m. April 3 in Barrows Hall, according to the

report.

## Drew Brooks: Microbiology, music double major named 2019 valedictorian

03 Apr 2019

Drew Brooks of Lyman, Maine is the 2019 University of Maine valedictorian. He is a double major in microbiology and music, with a minor in molecular biology. He will receive two bachelor's degrees — one in microbiology, and one in music. Brooks' many academic honors include multiple scholarships and Frederick Radke Undergraduate Research Fellowships. A 2018–19 UMaine Center for Undergraduate Research Fellowship helped fund his research, "The role of MyD88 in macrophage recruitment to *Candida albicans* infection in the zebrafish swim bladder," in the lab of associate professor of microbiology Robert Wheeler. Since his sophomore year, Brooks has been a student researcher in the Wheeler Lab studying the fungus *Candida albicans*, which can cause life-threatening infections in immunocompromised individuals. He has been modeling fungal infections in the swim bladders of zebrafish to gain insights into how fungal pathogenesis occurs in humans, and how to better prevent or treat these infections. In particular, he has been looking at the importance of a protein, myeloid differentiation factor 88 (MyD88), in *C. albicans* infections, and whether it plays a role in recruiting immune cells that help clear the infection. "I have thoroughly enjoyed working in the Wheeler Lab over the past three years," Brooks says. "I am so grateful for the opportunity to conduct research that may one day help to save someone's life." Beyond the classroom and lab, Brooks has participated in five UMaine music ensembles — University Singers, Black Bear Men's Chorus, Oratorio Society, Euphony Chamber Choir and Opera Workshop. His vocal training has been primarily geared to operatic vocal performance, which has led to his extensive involvement as a baritone in Opera Workshop productions. He hopes to continue his vocal training when he moves to Boston this summer. As a sophomore, Brooks was accepted to Tufts University School of Medicine through the Maine Track Early Assurance program. In August, he will start his first year of medical school. **What difference has UMaine made in your life and in helping you reach your goals?** My mentors, advisers and professors have made the most significant difference in helping me attain my goals. When applying to medical school, I received indispensable advice and guidance from the Career Center's staff, who walked me through the application and interview process step by step. In addition to the help I received there, I believe the recommendations from my mentors and professors were essential to my acceptance at Tufts. I know that I would not be where I am today had it not been for these individuals, and I am truly grateful for each and every one of them. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** There has not been a singular defining experience that has changed the way I view the world. However, over the course of my four years at UMaine, my views have gradually changed and matured. I think it is rather difficult not to be changed because we learn new things in our classes every day that influence the way we interpret the world around us. Above all, I think that the things I learned in class often challenged me to question the legitimacy of some of my firmly held ideas and tenets. My education at UMaine has helped me to become more open toward opinions and viewpoints that differ from my own. I think this is an important skill to have, especially at a time when the nation seems to be so divided, politically and otherwise. I think having an open mind, willing to change, is important in lessening the division that exists between those with differing viewpoints. **Why UMaine?** When I began applying for college four years ago, I knew that I wanted to become a doctor. When I learned that Tufts' Early Assurance Maine Track Program was reserved for students from select colleges in Maine, I knew that UMaine was the obvious choice. Additionally, I had also heard great things about UMaine's Department of Molecular and Biomedical Sciences, where I am currently working toward a degree in microbiology. Students from my department have had great success in getting into medical school, so I knew that UMaine was going to be the right choice. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** The Career Center was extremely helpful when I was applying for medical school. The staff there was always very knowledgeable and did everything possible to make sure my application and interview went smoothly. If I had not had the help of the Career Center's staff, I am fairly certain I would not be going to medical school at the end of this summer. Whether you are applying to graduate school or trying to make a good impression at an interview, I think the Career Center is an essential resource. **Have you worked closely with a professor or mentor who made your UMaine experience better?** I have worked closely with several different professors who have made my educational experience truly fulfilling and enjoyable. Most notably, my voice instructors have been rooting for me every step of the way and have always been supportive of my medical aspirations. One of them wrote me a fantastic recommendation letter for medical school, and the other contributed immensely to my nomination for valedictorian. Beyond supporting me in this way, they also have challenged me to become a better singer and be more involved in the opera productions here at UMaine. I have grown considerably as a singer and performer under their instruction, and I hope to continue developing my voice as a student in Boston. **What advice do you have for incoming students to help them get off to the best start academically?** My advice for incoming students is to get involved. There are a lot of clubs and extracurricular activities on campus that provide a great opportunity to make friends who will stay with you throughout your college years and even beyond. Having friends that support you in tough times is really important for your mental health and well-being. In my experience, if you are happy and healthy, you tend to perform better in your classes, and learning new material becomes easier.

## Ana Eliza Souza Cunha: Biology major named 2019 salutatorian

03 Apr 2019

Ana Eliza Souza Cunha of Orono is the 2019 University of Maine salutatorian and the Outstanding Graduating Student in the College of Natural Sciences, Forestry, and Agriculture. She is a biology major with minors in neuroscience and psychology, and a concentration in pre-medical studies. Souza Cunha's numerous honors include the 2018 Dr. Susan J. Hunter Presidential Research Impact Award, the Frank B. and Charles S. Bickford Memorial Prize, and a Servant Heart Scholarship. She will graduate with highest honors for her thesis, "Evaluating A Doppler Radar Monitor For Assessing Honey Bee Colony Health." Souza Cunha has been volunteering to assist in UMaine research projects since she was 14 years old. As an undergraduate research intern, she has tagged and followed wood frogs to observe their migration patterns, studied sun-drying techniques on marine worms in oysters, and worked on pesticide-free weed control techniques in sustainable agriculture. Souza Cunha also has studied the effects of diets and peripheral nerves on adipose health and thermogenesis, and how radar could be used to monitor bee health. As a student ambassador for the School of Biology and Ecology, she mentors peers on UMaine academic and engagement opportunities. Souza Cunha's own community engagement experiences include volunteering with the UMaine chapter of Partners for World Health and Operation H.E.A.R.T.S. She has worked as a certified nursing assistant at Dirigo Pines Retirement Community in Orono and job shadowed at four health care facilities in Bangor and Lewiston. "I have traveled across the state of Maine taking part in community service that has allowed me to expand my medical knowledge," Souza Cunha says. "By traveling and volunteering at different medical institutions such as hospitals — rural and urban, retirement homes and mental health institutes, I have been able to identify future locations where I may see myself one day becoming a physician." Following graduation, Souza Cunha will be working in clinical research in Boston, and plans to apply to medical or graduate school. **What difference has UMaine made in your life and in helping you reach your goals?** The faculty here are so supportive and really treat you like an equal. They really do cheer for your success, and push you to research on your own, to oversee your own project, to publish and to connect with the community. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** That's hard for me because UMaine is home. I have lived in Orono most of my life and yet, on this campus is seeded so much intellectual diversity. UMaine does a great job in making sure that students across majors bump into each other and can get to know one another. It's made me grow as an individual because I get to understand the world from different perspectives that I normally would have never considered if I hadn't met them. **Why UMaine?** Research, nature, approachable professors, passionate and diverse student body, large school with a small-town feel. What's not to love? **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** UMaine is great because it has such a diverse range of research continuously happening on campus all the time. The professors celebrate your needs to explore different fields and take research they have been looking at down different roads. I would also say the Honors College has played a huge role in my academic experience. The ability to be in a large school but have the small class size experience has given UMaine a more liberal arts feel that I really appreciate. It helped me foster better persuasive skills that have transcended into the research in my life as well as giving the "science" side of my mind a break with other, more artistic and cultural views. **Have you worked closely with a professor or mentor who made your UMaine experience better?** (Professor of insect ecology and insect pest management) Frank Drummond, (associate professor of electrical and computer engineering) Nuri Emanetoglu, (assistant professor of neurobiology) Kristy Townsend, (assistant professor of marine sciences) Paul Rawson, (Ph.D. student in ecology and environmental sciences) Sonja Birthisel and (professor of weed ecology) Eric Gallandt. I have to attribute much thanks to them for guiding me through my research experiences as advisers on the many projects I have worked on. But there are so many more; like I said before, the University of Maine has an incredibly diverse staff that really looks to foster their students' intellectual needs. **What advice do you have for incoming students to help them get off to the best start academically?** Get involved. It's okay to not know in what at first. Just pick a club — there are so many — see if you like it, and you'll often see all the opportunities around you because of it and then you can find your passion.

## Gillon explores issues of race in the history of fraternity, sorority life

03 Apr 2019

Historically, fraternities and sororities on college campuses have mirrored broader social and cultural patterns when it comes to issues of race and racism. That includes patterns of oppression and exclusion, as well as racial uplift and cultural validation. University of Maine assistant professor of higher education Kathleen Gillon analyzes these themes in the latest issue of New Directions for Student Services, for which she also served as lead editor. "This journal is read widely by practicing student services professionals and higher education leaders," Gillon says. "So the goal was to start conversations about issues related to equity and inclusion, specifically around race, ethnicity and culture in sororities and fraternities on college campuses." Gillon co-wrote a pair of articles in the collection. She was lead author, with Florida State University assistant professor Cameron Beatty and Florida Atlantic University assistant professor Cristobal Salinas, on "Race and Racism in Fraternity and Sorority Life: A Historical Overview." Gillon was second author with Salinas and Trace Camacho, California State University, Long Beach director of student life and development, on "Reproduction of Oppression Through Fraternity and Sorority Recruitment and Socialization." In the historical overview, Gillon and her co-authors write the earliest Greek-letter organizations in the U.S., established predominantly during the 19th century, "reflected the broader collegiate student population of the time." Students of color were excluded from these groups, just as official and unofficial policies of segregation restricted which institutions they could attend. In the early 20th century, students of color at some colleges and universities began forming their own fraternity and sorority groups in response to issues such as housing and academic discrimination. "While these organizations provided some protection against racism at an individual level," Gillon, Beatty and Salinas write, "they were greatly affected by racism at an institutional level." They cite the example of a Japanese American sorority at the University of California, Los Angeles that fought for decades to get a house on sorority row, only to be blocked by discriminatory laws and racism from property owners. According to the article, Black Greek Letter Organizations "included a principle of service to the community" that differentiated them from the more socially oriented fraternities and sororities established by white students. Gillon and colleagues say this theme of racial uplift continues in many black fraternities and sororities today. In addition, as diversity improved in higher education, they write that multicultural fraternities and sororities started to appear on college campuses to help "create a sense of validation and cultural relevance in light of the oppression and marginalization" students of color have historically experienced. Gillon says these histories are important to acknowledge because individuals who work in higher education can use them to inform contemporary practice. It had been nearly 20 years since New Directions for Student Services published an issue dedicated to fraternity and sorority life, and that issue only included one article on diversity. The spring 2019 issue of the journal is online. Contact: Casey Kelly, 207.581.3751

## Dimmel receives grant to study students' perceptions of geometric diagrams in virtual reality environments

03 Apr 2019

Justin Dimmel, assistant professor of mathematics education and instructional technology at the University of Maine, has been awarded nearly \$50,000 by the Spencer Foundation to investigate students' perceptions of geometric diagrams when using immersive spatial displays such as virtual reality. Until recently, Dimmel says students typically would encounter geometry diagrams as small images displayed on a two-dimensional surface, such as a textbook page. The advent of virtual reality and similar technologies in recent years has transformed how educators and students are able to learn about these diagrams, allowing them to be observed at a much larger scale and in additional dimensions, he says. In a three-year study, Dimmel will examine how the scale and dimension afforded by virtual reality affects students' perceptions of geometry diagrams. He plans to interview participants and collect their experiences after completing a series of mathematical tasks with diagrams under different scale and dimension conditions in a virtual reality environment. The project will get underway later this year and conclude in 2022. Dimmel is founder and director of the [Immersive Mathematics in Rendered Environments](#) (IMRE) Laboratory within the College of Education and Human Development. The IMRE lab investigates how virtual and augmented reality can transform STEM education. The lab developed [HandWaver](#), an open-source, gesture-based virtual environment where people can use their hands to manipulate mathematical figures and objects. The Spencer Foundation Small Research Grants program is competitive. The Chicago-based foundation's goals include investing in transformative education, improving educational practice, and making education research more accessible to the public. Contact: Casey Kelly, 207.581.3751

#### **Celebrate 25 years of Rural Living Day with beekeeping, Amish technology, home brewing workshops**

**04 Apr 2019**

University of Maine Cooperative Extension and Waldo County Extension Association are hosting the 25th annual Rural Living Day 9 a.m.–3:30 p.m. April 6 at Mount View High School in Thorndike. Participants can choose from 24 different workshops on topics that include backyard beekeeping; solar energy; Amish technology; growing hops, fruit trees, medicinal herbs, strawberries or rice in Maine; home brewing; soils; guardian dogs and sustainable farming; ticks; and planning a green burial. The \$30 fee includes three workshops and lunch featuring locally sourced foods; early registration is recommended. Registration and a full list of workshops are [online](#). All proceeds support a post-secondary scholarship for a Waldo County high school senior. To request more information or a reasonable accommodation, call 342.5971 or 800.287.1426 (in Maine).

#### **Morning Ag Clips advances forest planting workshop**

**04 Apr 2019**

[Morning Ag Clips](#) advanced a workshop on how to plant a forest from 9 a.m. to noon April 26 at the Woodstock Town Office, co-hosted by the Oxford County Soil and Water Conservation District, University of Maine Cooperative Extension Oxford County, Maine Woodland Owners and the Maine Forest Service. The workshop will cover the basics of tree planting including sourcing seedlings, planting methods, and disease and pest damage prevention, the article states. The talk will be followed by lunch and hands-on experience planting bare root seedlings at a nearby site. The course offers three hours of Category 1 Maine Board of Licensure Forester credits, according to the article. The program fee is \$15 per family, and registration is required by April 19. To register, for more information or to request a reasonable accommodation, email [oxfordcountyswed@gmail.com](mailto:oxfordcountyswed@gmail.com).

#### **Stoll to give talk April 9, Mount Desert Islander reports**

**04 Apr 2019**

[Mount Desert Islander](#) reported Joshua Stoll, an assistant research professor of marine policy at the University of Maine, will give a talk on sustainability in Maine's lobster industry at 4:10 p.m. April 9 in McCormick Lecture Hall at the College of the Atlantic in Bar Harbor as part of their Human Ecology Forum. The presentation will explore the role of social buffering in Maine's lobster fishery and consider how the increasing globalization of the market for lobster could present new challenges, according to the article.

#### **Ellsworth American previews Lobstermen's Town Meeting**

**04 Apr 2019**

[The Ellsworth American](#) previewed the 15th Canadian/U.S. Lobstermen's Town Meeting, hosted by the University of Maine Lobster Institute April 5 and 6 at the Westin Portland Harborview Hotel. First held in 2004, the meeting alternates between the two countries each year. This year's theme is "Two Nations, Two Fisheries: Shared Challenges, Shared Opportunities." Lobstermen, dealers, processors, scientists and policymakers from the Northeastern United States and Atlantic Canada will gather for discussions about the status of the lobster resource and the business of lobstering, the article states. Lobster is North America's most valuable single species, but the industry is facing unprecedented challenges — and these are accompanied by new opportunities, according to Richard Wahle, director of the Lobster Institute and a research professor in UMaine's School of Marine Sciences. The meeting will run all day April 5, including a moderated open discussion, and will be followed by an evening social. The event will conclude at noon April 6, according to the article.

#### **Connor Ferguson: Aspiring writer thrives with support from 'receptive' English faculty**

**04 Apr 2019**

Fifth-year student Connor Ferguson is one of two in the next Clement and Linda McGillicuddy Humanities Center Undergraduate Fellowship cohort at the University of Maine. The Iowa native is an English major with an emphasis in literary analysis and a minor in creative writing. After looking at several colleges in the area, Ferguson chose to transfer to UMaine because of its "robust English department and receptive faculty." Though Ferguson has been at UMaine for less than a year, he has already made a significant impact. Besides becoming an MHC Fellow, he also was chosen through UMaine's Writing Center to present at the Northeast Writing Centers Association (NEWCA) Conference in March at Western Connecticut State University. "I find UMaine so adaptive, personable and receptive. The faculty really listen to you and take your ideas and opinions into consideration," he says. That receptivity is how he came up with his fellowship project. "I was taking a course with Laura Cowan, and we were studying the poet Wilfred Owen," Ferguson says. "I noticed that his gay identity had all but been erased by academia, so I brought it up with her, and she adjusted the way we talked about him in class. That kind of helpfulness is not something I've come across in my previous college experiences." Ferguson's project revolves around "reviving queer authors in the canon, primarily modernist era authors," he says, "because that's where erasure of queer identity becomes prevalent. We seem to privilege people with mainstream identities, but if we're looking to place literature in a sociocultural perspective, we need to include queer people, as well. I think it's important to understand the place of sexuality in influencing literature." Cowan, an associate professor of English at UMaine, has been a key mentor for Ferguson during the project. "She's a superstar — she's been so supportive. I'm a nontraditional student, working three jobs, living off campus, and she's been so helpful in supporting my life as a student," he says. In addition to studying authors, Ferguson hopes to be one himself. "I love the fantasy genre," he says. "That genre is an underutilized tool — it's a way to make literature more accessible to a larger audience." Other aspirations include attending the Iowa Writers' Workshop after graduating next fall, as well as establishing a "multicultural writing center satellite, staffing it with people who focus on safe spaces and identify with minority groups." "I think we need to diversify educators," he says, "because people who don't see themselves in academia are less likely to seek academic help." Ultimately, Ferguson wants to open minds and tell stories. "I'd love to write a novel in every genre — fantasy, horror, sci-fi, mystery. I want to tell important stories." The McGillicuddy Humanities Center Undergraduate Fellows program offers junior and senior humanities students the support needed to concentrate on their coursework and develop research projects, work collaboratively with a select group of peers, participate in interdisciplinary humanities programs, and gain professional skills. Fellows attend, help plan, and promote the center's various programs, putting them in meaningful contact with their peers and faculty, as well as the public. Fellows also act as student representatives of the center's mission on campus and in the community.

#### **Olivia Reese: Media studies major examining influence of social media**

**04 Apr 2019**

Junior Olivia Reese of Pittsford, New York is one of the second wave of Clement and Linda McGillicuddy Humanities Center Undergraduate Fellows at the University of Maine. The media studies major says she is passionate about her chosen field for many reasons. "Media studies touches on anything projected out to a mass audience. It's about how communication affects us, how we affect it, how it evolves with technology and with our experience of that technology," she says. "Everything that can affect us on a massive scale is media studies. I had no idea how much we were influenced by the media. It overwhelms me sometimes that I can apply everything I'm learning to real life — sometimes even later in the day after class." During her college search, Reese and her father thought UMaine looked promising. Despite the fact that she'd never been to Maine, Reese and her parents made the trip. "It was the middle of winter, and I was really quiet during the tour, so my mom thought I hated it — but I didn't; I loved it. I just had this feeling that this was the school for me, that this is what college should be. It was what I always imagined — complete gut instinct, but the right gut instinct," she says. What Reese loves about UMaine, she says, is the opportunities it provides. "I feel like I use that word a lot," she says. "But it's the word that always comes to mind when I think about UMaine. There's the opportunity to take part in different research projects, to cultivate relationships with professors and to learn from them. Like my mentor, Judith Rosenbaum — she's inspired me, encouraged me, and pulled me out of my comfort zone, giving me the confidence that I could actually do work like my fellowship project." The project revolves around the idea of applying George Gerbner's cultivation theory, which essentially states that people who watch television frequently will be affected by its messages. "I want to apply a modern take to that theory to something as polarized as TV, namely the Twitter-sphere," she explains. "Is social media affecting the way we see the world, and will it continue to do so? There's not much research on social media because it's so new. I want to see if it tells us something new about the world we're living in." The humanities, she insists, also tell us something new about our world. "The arts play such a vital role in perspective — they inspire us, drive us, involve us in life beyond work and study. Understanding the humanities is understanding yourself, and to lose touch with that would be a tragedy," she says. The McGillicuddy Humanities Center Undergraduate Fellows program offers junior and senior humanities students the support needed to concentrate on their coursework and develop research projects, work collaboratively with a select group of peers, participate in interdisciplinary humanities programs, and gain professional skills. Fellows attend, help plan, and promote the center's various programs, putting them in meaningful contact with their peers and faculty, as well as the public. Fellows also act as student representatives of the center's mission on campus and in the community.

## Reminder: Nominations for 2019 Geddes W. Simpson Distinguished Lecturer due April 24

05 Apr 2019

The Geddes W. Simpson Lecture Series Selection Committee is calling for nominations for the 18th Geddes W. Simpson Lecture, which will be held fall 2019. The Geddes W. Simpson Lecture invites speakers of prominence who have provided significant insight into the area where science and history intersect. The Geddes W. Simpson Lecture Series Fund was established by the University of Maine Foundation in 2001 by the family of Geddes Wilson Simpson, a well-respected faculty member who began his 55-year career with the College of Life Sciences and the Maine Agricultural Experiment Station in 1931. Simpson was named chair of the Entomology Department in 1954 and remained in that position until his retirement in 1974. Upon his retirement, he was awarded emeritus status and thereafter worked part time with the Experiment Station as editor. A one-page letter of nomination, along with the nominee's curriculum vitae, should be emailed to James Weber, chair of the selection committee, at [jaweber@maine.edu](mailto:jaweber@maine.edu); or mailed to Jim Weber, School of Food and Agriculture, University of Maine, 5735 Hitchner Hall Room 130B, Orono, ME 04469-5735 by April 24. Speakers are welcome from any field that bridges science and history. The lecture series has hosted a range of speakers from various academic disciplines.

## Pride Week 2019 to be celebrated April 8–13

05 Apr 2019

Pride Week at the University of Maine is an annual tradition to celebrate LGBTQ+ students that includes events for everyone — from members of the LGBTQ+ community, to those questioning their identity, to allies hoping to learn more. “LGBTQ+ students are present, living and thriving on campus, and our goal with this annual initiative is to provide visibility and support to this vital community here at UMaine,” says Jane Pappas, a graduate assistant with LGBTQ+ Services. At UMaine, LGBTQ+ Services and Wilde Stein collaborate with other campus partners to recognize Pride Week with educational and social events celebrating the LGBTQ+ community on campus. This year, events held April 8–13 will include a Pride Week Climbing Night, Pride Week Trivia, a Wilde Stein 45th Anniversary Celebration and more, culminating in the 15th annual Drag Show at 7 p.m. April 13 in the Collins Center for the Arts. The full schedule for the week is [online](#).

## Donations, volunteers sought for student-led Maine Day Meal Packout

05 Apr 2019

Donations and volunteers are being sought for the Maine Day Meal Packout at the University of Maine on May 1. In food-packing events, campus and community volunteers box meals that are donated to food banks and community organizations that feed the hungry. “The broad goal of the Maine Day Meal Packout is to raise awareness of the widespread problem of food insecurity in Maine, and to fundraise to pay for meals that get distributed to food pantries, schools and shelters around Maine,” according to student organizer Emma Hutchinson. The event will be held 8 a.m.–1 p.m. in the Memorial Gym. It is organized by UMaine students, primarily those from the Honors College. The students work with The Outreach Program's New England branch to purchase meal ingredients and acquire packing materials. The average cost of a meal in Maine is \$3.45, but through The Outreach Program, a nonprofit that organizes food-packaging events, a meal costs 25 cents. One package of food makes six protein-packed and nutritionally dense meals that only require boiling water, according to Hutchinson. As of the beginning of April, the students had raised more than \$15,000, but hope to raise an additional \$1,000 to pack at least 65,000 meals. Donations are being accepted [online](#). “We understand we aren't solving hunger in Maine through these events, but we can provide some relief for those who suffer from food insecurity and raise awareness of the problem,” Hutchinson says. Volunteers also are needed to pack meals during the event. Registration is available [online](#) through the Bodwell Center for Service and Volunteerism. Last year, more than 300 volunteers helped pack 85,536 meals, which cost \$21,384. In 2017, UMaine surpassed Harvard University to set a record for the most meals packed by a New England university during one event. The event also placed UMaine among the top 10 organizations in the country and fourth in New England, along with groups including AARP and United Way, for most meals packed. More than 250 volunteers helped pack 107,500 meals — about 5.5 tons of food. For more information about the event, email Hutchinson at [emma.hutchinson@maine.edu](mailto:emma.hutchinson@maine.edu).

## Healthy High included in BDN roundup of sports events in Maine

05 Apr 2019

The [Bangor Daily News](#) included the 12th annual Healthy High 5k/10k/15k race at the University of Maine in the article “10 upcoming sports events around Maine.” The 15k will start at 9 a.m. April 27, followed by the 5k/10k beginning at 9:30 a.m. All races start at the New Balance Student Recreation Center and continue on a course around campus. The courses will be timed until 1 p.m., and the 5k and 10k courses are certified by USA Track & Field, the article states. Prizes will be awarded for the top male and female runners in each of the divisions.

## Kennebec Journal, Morning Sentinel cite School of Economics study in article on new brewery

05 Apr 2019

The [Kennebec Journal and Morning Sentinel](#) cited a 2019 study by the University of Maine School of Economics and the Maine Brewers' Guild in an article about Bateau Brewing, the latest craft brewery in Maine set to open later this year in downtown Gardiner. Maine-made beer added more than \$260 million to the state's economy in 2017, according to the study, which predicts the industry will continue to grow in the next several years.

## Morning Ag Clips previews UMaine Extension media training for farmers

05 Apr 2019

[Morning Ag Clips](#) previewed a University of Maine Cooperative Extension workshop focused on media training for farmers from 9:30 a.m.–3:30 p.m. April 29 at Kennebec Valley Community College Harold Alfond Campus in Hinckley. The workshop will include best practices for working with media, telling a farm's story in print and on social media, and practical training for interviews. The training may be useful to host farms participating in the 30th anniversary Maine Open Farm Day in July, the article states. The \$10 fee includes lunch; online registration is required. For more information or to request a reasonable accommodation, contact Kathy Hopkins, 474.9622; [khopkins@maine.edu](mailto:khopkins@maine.edu).

## Plains Gazette report on electric chewing gum cites research by Ranasinghe

05 Apr 2019

A [Plains Gazette](#) article about electrically simulated chewing gum developed by researchers at Meiji University in Japan mentioned Nimesha Ranasinghe, an assistant professor in the School of Computing and Information Science at the University of Maine. Ranasinghe directs the Multisensory Interactive Media Lab at UMaine, where he has worked on similar projects including a programmable cocktail glass and electric chopsticks that simulate flavor, according to the article.

## Allan speaks with Austin American-Statesman for article about hazing

05 Apr 2019

Elizabeth Allan, a professor of higher education at the University of Maine, spoke with the [Austin American-Statesman](#) for the article “Crackdown on hazing gains momentum among state lawmakers.” A series of hazing-related deaths in Texas has led to a push by state legislators to combat hazing on college campuses, according to the article. Allan has studied hazing for 15 years and defines it as “any activity expected of someone joining or participating in a group that humiliates, degrades, abuses or endangers them regardless of a person's willingness to participate.” The most frequent hazing behaviors include drinking large amounts of alcohol, acting as a personal servant to others, associating with specific people and not others, sleep deprivation and being screamed or cursed at by other members of the group, the article states. Most students don't recognize hazing for what it is, and students will put up with it because of peer pressure, power dynamics, a desire to belong and other factors, Allan said. “Sometimes organizations that have a long history and tradition and prestige tend to have hazing associated with them. It's basic cost-benefit analysis — if students see membership as highly desirable, then they might be more willing to do things that they wouldn't ordinarily do,” said Allan.

## WVII, Mainebiz interview Miracle about green crab dog biscuits

05 Apr 2019

[WVII](#) (Channel 7) and [Mainebiz](#) interviewed Angela Miracle, an assistant professor of human nutrition at the University of Maine, for a report on the researcher's dog biscuits made with green crabs. “They were an innovative idea to utilize an invasive species that is



underutilized but is causing destruction to our ecosystem here in Maine and upsetting the fisheries and things of that nature because of its voracious predatory activity,” Myracle said. The green crabs, which are originally from Europe, are obliterating Maine’s clam population and clogging lobster traps, threatening people’s livelihoods, according to Myracle. The crabs could be partially responsible for the decline in Maine’s soft-shell clam harvest. Myracle and one of her students pressure cook the green crabs to soften the shell, then grind them up and mix them into the biscuit dough before baking. “It binds together nicely and bakes up to a golden brown cookie with some pliability, so it’s not hard as a rock,” said Myracle. “We’re trying to find a way to utilize it to help protect Maine’s ecosystem, and make our fishermen happier and actually generate more revenue for Maine.” Anna Smestad, the student working with Myracle, will present their findings at the UMaine Student Symposium April 10 in Bangor, WVII reported. [The Maine Edge Landings](#) published a UMaine release on Myracle’s project.

#### **Nursing students collecting children’s pajamas for local hospital**

**05 Apr 2019**

A group of senior nursing students at the University of Maine are collecting children’s pajamas for a Bangor hospital to give to patients who need them. Caroline Bush of Holden, Maine; Brooke Hammond of Frankfort, Maine; and Lauren Martin and Jordan Richards, both of Bradley, Maine, are enrolled in NUR 452 — Community and Population Healthcare. Students in the course, led by assistant nursing professor Kelley Strout, are required to complete a minimum of three hours of community service locally. While attending a pediatric clinical rotation at Northern Light Eastern Maine Medical Center, Martin learned the hospital provides pajamas to children who are admitted from underserved populations, but has a limited quantity. Martin and her classmates held a clothing drive to replenish the hospital’s stock of children’s pajamas. As of April 3, the students have raised more than \$2,500, which has allowed them to purchase about 500 sets of pajamas. The students say the service-learning project has allowed them to acknowledge and address an immediate need in their own community. “Supplying hospitalized children with new pajamas not only provides a source of clothing, but may also improve their health care experience,” according to the students.

#### **USM history professor, map library director to discuss memorializing WWI**

**08 Apr 2019**

As part of the University of Maine’s Clement and Linda McGillicuddy Humanities Center’s Symposium series, Libby Bischof, executive director of the Osher Map Library and Smith Center for Cartographic Education and professor of history at the University of Southern Maine, will give a lecture from noon–2 p.m. April 9 in Room 100, Nutting Hall. “Memorializing WWI in Maine and Beyond” is based on the work Bischof and her students have been doing with the Maine World War I Memorial Inventory. The lecture will begin at 12:30 p.m. following a catered reception.

#### **LGBTQ+ Allies Council to hold faculty and staff social April 9**

**08 Apr 2019**

The LGBTQ+ Allies Council at the University of Maine will hold a Faculty + Staff Social during Pride Week from 3:30–5 p.m. April 9 in the University Club on the second floor of Fogler Library. This event is open to all LGBTQ+ faculty and staff as well as allies of the LGBTQ+ community. While this is a social event to facilitate networking within the campus community, council members will be happy to discuss the work of the council, as well as how to be the best ally to the LGBTQ+ community within your role. Free appetizers, desserts, coffee and punch will be served. For more information or to request a reasonable accommodation, email council co-chairs Jane Pappas, [jane.pappas@maine.edu](mailto:jane.pappas@maine.edu), or Ryan Michaud, [ryan.michaud@maine.edu](mailto:ryan.michaud@maine.edu).

#### **Gerald Herlihy passes away**

**08 Apr 2019**

Gerald “Jerry” McMorrow Herlihy, founder of the Onward Program at the University of Maine, passed away April 5. Herlihy spent his professional career helping students achieve their dreams of obtaining a college degree, according to his [obituary](#).

#### **Folklife Center’s Story Wagon to be at annual Skee Spree event, Daily Bulldog reports**

**08 Apr 2019**

The [Daily Bulldog](#) reported the University of Maine Folklife Center’s Story Wagon will be at the Ski Museum of Maine’s fifth annual Skee Spree to record ski memories. The event will be held April 20 at Barker Mountain Lodge at Sunday River Ski Resort as part of the annual Ski Mania event. The Story Wagon is a mobile recording studio created from a 1970’s travel trailer and provides a climate-controlled, sound-reducing environment for interviews, according to the article. Skiers at the event are encouraged to share their memories, which will be digitally edited and added to the museum’s oral history collection.

#### **Media announce Kids Can Grow registration open**

**08 Apr 2019**

The [Penobscot Bay Pilot](#), [VillageSoup](#) and [The Free Press](#) of Rockland announced registration is open for Kids Can Grow, a program run by Maine Coast Heritage Trust and University of Maine Cooperative Extension that introduces children and parents to growing vegetables for healthy eating. Six hands-on gardening classes will be held in the community garden at the Erickson Fields Preserve in Rockport from May to October. Registration is open for 12 families with children between the ages of 7 and 12, according to the articles. Families will receive materials to build their own raised beds at home, and be assigned a garden mentor to provide inspiration and assistance once a month. Children and adults will learn the basics in group sessions, and practice skills in their own home gardens. An orientation for parents will be held 4–5:15 p.m. May 8 at Aldermere Farm in Rockport, and monthly meetings will be 4–6 p.m. on the first Wednesday of the month. Program cost is \$60; financial assistance is available on a sliding scale and registration is recommended by May 6. For more information or to register, call 236.2739 or email [jalbury@mcht.org](mailto:jalbury@mcht.org).

#### **Weber featured in WalletHub piece about best airline, miles credit cards**

**08 Apr 2019**

J. Michael Weber, dean of the Graduate School of Business in the Maine Business School at the University of Maine, was featured in the “Ask the Experts” section of the [WalletHub](#) study “2019’s Best Airline Credit Cards & Miles Credit Cards.” Weber gave advice on how often someone needs to fly to justify getting an airline miles credit card, what a frequent traveler should look for in an airline credit card, and the biggest mistakes made with airline credit cards.

#### **Vox speaks with Blackstone, cites her research in article on Biden allegations**

**08 Apr 2019**

[Vox](#) spoke with Amy Blackstone, a professor of sociology at the University of Maine, and cited her research in the article “The Biden allegations are a reminder of the small invasions women deal with every day.” Blackstone, who has studied the effects of harassment, said, “If you’re spending time and energy and emotion working to avoid a harasser or a specific environment, you’re not going to be putting that time toward your career.” Overall, women who are harassed are 6.5 times more likely to leave their jobs than women who don’t experience harassment, according to a 2017 study co-written by Blackstone. And women who were harassed were significantly more likely to report financial stress two years after their harassment than women who were not harassed, according to the study.

#### **AP covers annual Lobstermen’s Town Meeting**

**08 Apr 2019**

The Associated Press covered this year’s Canadian/U.S. Lobstermen’s Town Meeting April 5 and 6 in Portland. The University of Maine Lobster Institute hosted this year’s event, which had a theme of “Two Nations, Two Fisheries: Shared Challenges, Shared Opportunities” and attracted lobstermen, dealers, processors, scientists and others from both countries, according to the article. [News Center Maine, WABI](#) (Channel 5) and [U.S. News & World Report](#) carried the AP article.

## **WABI, WVII interview UMaine nursing students collecting children's PJs for hospital**

**08 Apr 2019**

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) interviewed senior nursing students from the University of Maine who have been collecting children's pajamas and money for the past month to donate to Northern Light Eastern Maine Medical Center in Bangor. The students — Caroline Bush, Brooke Hammond, Lauren Martin and Jordan Richards — came up with the idea while attending their pediatric clinical rotation at the hospital when they learned the hospital sometimes has a limited supply of pajamas for children. So far they've raised \$2,500, enough to buy about 500 sets of pajamas, WABI reported. "We really enjoyed working with the pediatric patients during our clinical and just seeing some of them not have jammies, not being able to be as comfortable as they are in their home environment, and being such a sick place that we really wanted to improve their outcomes at the hospital," said Bush. "If you have some pajamas, it just might make you feel better. It might make you feel like you're not necessarily in that hospital setting." Some of the pajamas also will be donated to area shelters, WABI reported. To donate, email Bush at [caroline.bush@maine.edu](mailto:caroline.bush@maine.edu) or Kelley Strout, assistant professor of nursing, at [kelly.strout@maine.edu](mailto:kelly.strout@maine.edu).

## **AP advances Chuck Peddle's UMaine talk**

**08 Apr 2019**

The Associated Press reported Chuck Peddle, a pioneer in the world of personal computers and a University of Maine alumnus, visited campus on April 5 to deliver the keynote address at a moderated panel titled "Disruptive Innovation." Peddle graduated from UMaine in 1959 with a degree in engineering physics and is recognized for his work as the primary designer of the MOS Technology 6502 microprocessor, according to AP. Peddle's work made possible the first affordable mass-produced chip, which led to companies like Commodore releasing personal computers to the market, the report states. The [Bangor Daily News](#), [News Center Maine](#) and [U.S. News & World Report](#) carried the AP article.

## **Browntail moth outbreaks expected statewide this year**

**08 Apr 2019**

As spring slowly moves its way into Maine, data is indicating that large parts of the midcoast and southern central parts of the state are likely to experience another tough year with the browntail moth. Maine Forest Service's (MFS) aerial survey in fall 2018 showed over 126,000 acres impacted — double what was reported two years earlier. The tell-tale winter webs of the browntail moth caterpillars have been spotted at the tops of some trees in Old Town, Orono and Bangor, supporting predictions by MFS and University of Maine entomologist Eleanor Groden that the invasive insect problem is spreading throughout the state. This pest, which defoliates native oaks, cherries and hawthornes, as well as apple, crabapple and several other deciduous trees, is also a serious public health nuisance. The browntail moth caterpillars have barbed toxic (uriticating) hairs that cause severe dermatitis in most people who are exposed, and can cause respiratory issues for particularly sensitive individuals. At UMaine, Groden and her students continue to work with MFS and other collaborators to research the dynamics of the current outbreak and potential management strategies for this pest. Their newest research project focuses on the structure of the winter webs. Working with researchers Barbara Cole and Ray Fort, and Ph.D. student Hyewon Hwang, all in the UMaine Department of Chemistry, Groden's team is exploring multiple life stages of the browntail moth in order to identify the weak links that may help us manage this expanding menace. More information about Groden's research, including community outreach, is [online](#). Contact: Ellie Groden, 581.2984, [groden@maine.edu](mailto:groden@maine.edu); Margaret Nagle, 581.3745

## **Reinterpretation of Shakespeare's Ophelia topic of King Chair Lecture April 12**

**09 Apr 2019**

Lisa Klein, author of the young adult novel "Ophelia," will discuss her reinterpretation of the classic play "Hamlet" as told from Ophelia's point of view at 5 p.m. April 12 in Neville Hall, Room 101. "Hamlet's Girlfriend Gets a Life" is part of the Stephen E. King Chair Lecture Series at the University of Maine, and is free and open to the public. Klein will talk about the process of transforming the character from Shakespeare's stage to the modern page and now to the screen in the forthcoming movie based on her novel, starring Daisy Ridley, Naomi Watts and Clive Owen. In giving the character a new voice, Klein invites us to consider how we retell great stories to make them meaningful for the present day. Klein is a former English professor and the Columbus, Ohio-based author of the young adult novels "Ophelia," "Two Girls of Gettysburg," "Lady Macbeth's Daughter," "Cate of the Lost Colony" and "Love Disguised." More information about the King Chair Lecture Series is [online](#). To request a reasonable accommodation, call 581.1226.

## **Birthisel to speak about climate change, farming, VillageSoup reports**

**09 Apr 2019**

[VillageSoup](#) reported Sonja Birthisel, a postdoctoral research associate in the University of Maine School of Forest Resources, will give a talk about how climate change is affecting Maine farms at noon April 16 at Merryspring Nature Center in Camden. Birthisel will draw on interviews she is conducting with farmers and crop advisers as part of a joint project between UMaine and the University of Vermont. She will give a summary of how Maine's climate is changing, the challenges and opportunities the changes likely will bring for growers, and what farmers are doing to adapt, the article states. The lecture is part of Merryspring's Spring Talk series. Admission is \$5 or free for Merryspring members.

## **Press Herald reports Meireles to speak at wildflower society symposium**

**09 Apr 2019**

The [Portland Press Herald](#) reported José Eduardo Meireles, assistant professor of plant evolution and systematics at the University of Maine and director of UMaine's herbarium, will give the keynote address at a symposium hosted by the New England Wild Flower Society. The symposium, "Native Plant Conservation in the 21st Century," will be held 10 a.m.–5 p.m. April 12 at the Maine Audubon Society at Gilsland Farm in Falmouth, according to the article.

## **The County covers climate change talk by Putnam**

**09 Apr 2019**

[The County](#) covered a talk about climate change and the last ice age by Aaron Putnam, the George H. Denton Assistant Professor of Earth Sciences at the University of Maine Climate Change Institute. Putnam spoke at the Geological Society of Maine's annual spring meeting on April 5 at the University of Maine at Presque Isle about research he and other climate scientists have done with mountain glaciers to figure out how and why glacial moraines (accumulations of glacial debris) have retreated since the beginning of the last ice age, according to the article. "Any unifying theory of climate dynamics requires us to answer those questions," said Putnam. "The outcomes (of our research) suggest that an extraordinary warming jolted the Earth out of the ice age and took place over the course of only a millennium or two. This challenges traditional climate models that say the slow change in the Earth's orbit around that time ended the ice age." And the research team used the GFDL Earth System Model to determine that the Earth warms when westerly winds shift north or south, as they did during the last ice age, the article states. "We think this points to the inherent capacity of the climate system to snap abruptly between different modes of operation when pushed. As we are now pushing the climate system by releasing fossil fuels and carbon dioxide into the atmosphere, it is not unreasonable to suspect that the system might again switch," Putnam said. In his talk, Putnam said people can contribute to reducing the effects of climate change by using renewable energy sources for electricity and heating, buying food locally or growing their own food, and limiting unnecessary road and air travel. "Earth's changing climate is the great existential threat to civilization of our time. We need to make sacrifices for our children and grandchildren in the same way that our grandparents did for us," Putnam said.

## **The Conversation publishes Socolow's op-ed on media obsession with Fox News**

**09 Apr 2019**

[The Conversation](#) published an opinion piece by Michael Socolow, an associate professor of communication and journalism at the University of Maine. The piece is titled "Fox News isn't the problem, it's the media's obsession with Fox News." The San Francisco Chronicle carried The Conversation piece. [The National Interest](#) republished the piece with a different headline: Don't Tell Trump This: Fox News Just Isn't That Powerful Afterall.

## **AP quotes Beal in articles on new clam industry rules**

**09 Apr 2019**

The Associated Press quoted Brian Beal, a professor of marine ecology at the University of Maine at Machias, in articles about new harvest rules for Maine's clam industry. Maine is the country's leading producer of soft-shell clams, but the harvest has fallen in

recent years — 2017 and 2018 had the lowest harvest for any two-year period in more than 60 years, the article states. The Maine Legislature is considering a bill that would allow municipalities to establish their own minimum and maximum size limits for shellfish, allowing towns to protect larger clams that could still reproduce, AP reported. As coastal waters have warmed, clams have become more susceptible to predators such as green crabs and milky ribbon worms, according to Beal. “Those clams are being consumed by predators that are thanking the state of Maine for allowing them to have a meal. I want to give them to the clammers. I want people in the state of Maine to benefit from those clams,” Beal said. The [Bangor Daily News](#), [Portland Press Herald](#), [Northwest Arkansas Democrat Gazette](#), [CapeCod.com](#), [ABC News](#) and [The Washington Post](#) carried the AP report. [Undercurrent News](#) also mentioned Beal's insights on the clam industry in a related article.

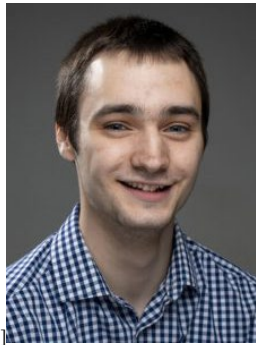
## Meet UMaine's 2019 Outstanding Graduating Students

09 Apr 2019

Ten undergraduates have been named 2019 Outstanding Graduating Students at the University of Maine. Among them is [Anna Eliza Souza Cunha](#), the Outstanding Graduating Student in the College of Natural Sciences, Forestry, and Agriculture, and the 2019 [salutatorian](#). The Outstanding Graduating Students will be honored at UMaine's 217th Commencement in Harold Alfond Sports Arena May 11. [https://youtu.be/82\\_lqJWY\\_CY](https://youtu.be/82_lqJWY_CY) [Read transcript](#) The other Outstanding Graduating Students are: [caption



id="attachment\_66363" align="alignright" width="223"] Vincent Eze[/caption] **Vincent Eze**, of Lagos, Nigeria, has been named the Outstanding Graduating International Student in the College of Education and Human Development. Eze is double-majoring in child development and family relations, and in sociology, with a concentration in individual and family studies. He is a forward on the men's basketball team, and received both Rising Star and Scholar-Athlete awards of the Athletics Department. Eze is a teaching assistant and member of the Student-Athlete Advisory Committee. He also has been involved in student groups, including Male Athletes Against Violence, the Student Portfolio Investment Fund (SPIFFY) and the International Student Association. He plans to attend graduate school to study public administration. A full Q&A with Eze is [online](#).



[caption id="attachment\_66364" align="alignright" width="223"] Dominic Guimond[/caption] **Dominic Guimond**, of Portland, Maine, has been named the Outstanding Graduating Student in the Maine Business School. Guimond is majoring in management, with a concentration in management information systems and a minor in computer science. In 2019, he was named the Outstanding Management Student of the Year in the Maine Business School. He has been an IT help desk intern with Tyler Technologies in Yarmouth and an IT tech support intern with Northern Light Health in Bangor. Guimond also has been involved in research, including a study of the United States and Canadian film industries. He is vice president of the UMaine Super Smash Bros. Melee Club, and has participated in other clubs, including CyberSecurity, Fencing and Game Development. Following graduation Guimond will be working at Tyler Technologies, focusing on disaster recovery services. A full Q&A with Guimond is [online](#).



[caption id="attachment\_66365" align="alignright" width="223"] Shayla Kleisinger[/caption] **Shayla Kleisinger**, of Winnipeg, Canada, has been named the Outstanding Graduating International Student in the College of Engineering. Kleisinger is a biomedical engineering major with a minor in nanotechnology. As a member of the swimming and diving team, her primary events are freestyle and individual medley. In 2016–17, she was named to the America East All-Academic Team. Kleisinger is a member of the All Maine Women honor society, vice president of the UMaine chapter of Active Minds, a peer tutor and a teacher in the Black Bear Swim School. She also has been involved in research on campus, working in the Howell Biointerface and Biomimetics Laboratory and participating in an interdisciplinary project through the Senator George J. Mitchell Center for Sustainability Solutions. Kleisinger also was a mentor in the Maine EPSCoR High School Internship Program. Her capstone research project focuses on microsatellite technology used in NASA's CubeSat initiative that would be capable of sustaining the growth of microgreen plants in space. She plans to pursue a job in biomedical technology and attend graduate school. A full Q&A with Kleisinger is [online](#).



[caption id="attachment\_66366" align="alignright" width="223"]

Natascia La Verde[/caption] **Natascia La Verde**, of Belfast, Maine, has been named the Outstanding Graduating Student in the Division of Lifelong Learning. La Verde is a university studies major whose interdisciplinary program predominantly focuses on history, social sciences, psychology, communication and cultural diversity. She is a member of Alpha Sigma Lambda honor society. La Verde's research focuses on the experiences and journey of individuals who historically created social, political and civil resistance. She has written about conscientious objection, and about resistance during the Nazi regime, the Penobscot Nation, and Rachel Carson and the environmental movement. La Verde is a parent and staff member at UMaine's Hutchinson Center. She also is an active community volunteer. She has taught Italian to elementary school children, worked with teenagers at a behavioral institution, participated in the Belfast Creative Coalition, and assisted elders. She plans to continue her research on resistance movements throughout history. A full Q&A with La Verde is [online](#).

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[caption id="attachment\_66367" align="alignright" width="223"]

Eben Lenfest[/caption] **Eben Lenfest**, of Smithfield, Maine, has been named the Outstanding Graduating Student in the College of Engineering. Lenfest is a mechanical engineering major with minors in robotics and ocean and marine engineering. He is an Eagle Scout and a recipient of the E. James and Eileen Ferland Engineering Excellence Scholarship. As a student research assistant at UMaine's Advanced Structures and Composites Center, Lenfest worked on a project to test the feasibility and effectiveness of applying a new NASA-developed structural damping technology to the university's VoltturnUS floating offshore wind turbine platform. He also interned at NASA's Marshall Space Flight Center to learn more about the mechanics of the technology. Most recently, Lenfest has worked with a doctoral student to test a scale model wind turbine with active pitch control to better simulate real-world performance. Lenfest plays French horn in the UMaine Symphonic Band and University Orchestra, and has been involved in Black Bear Robotics, and the SCUBA and Maine Outing clubs. As a UMaine graduate student in mechanical engineering, he will continue his work in developing active pitch controls and will spend his summers at the U.S. Department of Energy National Wind Technology Center in Colorado. A full Q&A with Lenfest is [online](#).

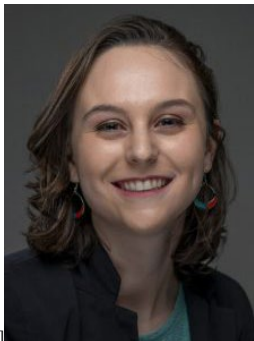
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[caption id="attachment\_66368" align="alignright" width="223"]

Lydia Murray[/caption] **Lydia Murray**, of Sault Ste. Marie, Canada, has been named the Outstanding Graduating International Student in the College of Natural Sciences, Forestry, and Agriculture. Murray is majoring in nursing and is a forward on the women's ice hockey team. Among her honors is a 2016-17 Team Maine award for the highest GPA on the team. In her four years in the nursing program, Murray has done numerous clinical rotations, caring for a range of patients at Brewer Center for Health and Rehabilitation, St. Joseph Hospital; Surgical/Orthopedic Unit and Medical/Neuroscience Unit, Northern Light Eastern Maine Medical Center; Surgical and Pediatrics at EMMC; and community clinicals at Orono High School, Orono Middle School and Asa C. Adams School. Her senior practicum is with the EMMC Obstetrics Unit. On campus, Murray has been involved in the Student-Athlete Advisory Committee and Athletes for Sexual Responsibility. She has discovered a passion for obstetrics and women's health, and plans to pursue a career as a registered nurse. A full Q&A with Murray is [online](#).

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[caption id="attachment\_66369" align="alignright" width="223"]

Grace Pouliot[/caption] **Grace W. Pouliot**, of South Berwick, Maine, has been named the Outstanding Graduating Student in the College of Education and Human Development. Pouliot, a student in the Honors College, is an elementary education major with concentrations in mathematics and English language learning. The 2015 Mitchell Scholar is a recipient of this year's Maine Campus Compact Heart and Soul Student Award and is a member of All Maine Women honor society. In the Honors College she was a project leader in the Servant Heart Research Collaborative, working on projects to support the Child Rescue Center in Bo, Sierra Leone. Her honors thesis is "The Attachment Theory: A Content Analysis of the Objectives of the Servant Heart Training Modules." Pouliot also has attended Tembusu College at the National University of Singapore, co-directed the university's chapter of Camp Kesem and participated in UMaine Active Minds. She plans to pursue a career as a middle school teacher with concentrations in mathematics and English language learning. Pouliot also hopes to earn a master's degree in educational counseling. A full Q&A with Pouliot is [online](#).



[caption id="attachment\_66370" align="alignright" width="223"]

Ilija Stojiljkovic[/caption] **Ilija Stojiljkovic**, of Niš, Serbia, has been named the Outstanding Graduating International Student in the Maine Business School. Stojiljkovic is a management major and forward on the men's basketball team. His honors include Scholar-Athlete awards, and being named to the 2019 America East All-Academic Team, and the Eastern College Athletic Conference President's Honor Roll and National Association of Basketball Coaches Honors Court, both in 2018. In his senior season, he was team captain. Stojiljkovic also has been a member of Male Athletes Against Violence and the Student-Athlete Advisory Committee on campus, and served as a peer tutor and mentor. He plans to pursue a master's degree and play professional basketball. A full Q&A with Stojiljkovic is [online](#).



[caption id="attachment\_66371" align="alignright" width="223"]

Thilee Yost[/caption] **Thilee Yost**, of Damariscotta, Maine, has been named the Outstanding Graduating Student in the College of Liberal Arts and Sciences. Yost, a student in the Honors College, is a double-major in political science and philosophy, with minors in legal studies, and political philosophy and ethics. Her numerous honors include the John Mitchell Nickerson University of Maine Memorial Scholarship, a UMaine Center for Undergraduate Research Fellowship and U.S.-Singapore Exchange Scholarship. Her honors thesis is "Asian American Political Incorporation: A Case Study of Hmong Americans in St. Paul." At a National Collegiate Honors Council conference, Yost presented, "Dialogues and Diatribes: An Eloquent Discussion for a More Civilized Age," which focused on the Honors College current events course in which she is a teaching assistant. She has been a resident assistant for three years, and had leadership roles in UMaine's Pre-Law Society and the Mock Trial Team. Yost is a member of All Maine Women honor society. She plans to pursue a joint degree program to earn a law degree and a master's in public policy. A full Q&A with Yost is [online](#). Contact: Margaret Nagle, 207.581.3745

## Transcript

**Eben Lenfest:** I chose UMaine because I wanted to come to a school with a renowned engineering program in the Northeast. **Grace Pouliot:** It felt like home. I know that's a little bit cliché, but my sister was an undergrad here, and I came to visit campus one time when she was a student, and I just fell in love with campus. I walked on the Mall and I said, "This feels like home." **Eben Lenfest:** It's affordable. **Vincent Eze:** I just love the campus I love the environment I love those and the sense of community base they have. **Eben Lenfest:** Just the right size. It's big enough so that you can find interesting things to do, really whatever interests you, but small enough so that you still run into friends all the time. **Shayla Rose Kleisinger:** So I think that the University of Maine has extensive research opportunities. **Thilee Sarah Yost:** I'm investigating how Asian Americans in the United States participate in mainstream politics. So I traveled out to Saint Paul, Minnesota recently to talk to different community members of the Hmong American population. **Natascia Laverde:** Well the project that I've been mostly focused on being the study on resistance, historical resistance. **Thilee Sarah Yost:** I talked to them about how they were able to come over as an immigrant and a refugee group and how they've been very successful in being able to be a part of American politics. **Dominic Guimond:** My first internship was at Tyler Technologies, I worked at the help desk and it really helped me learn about IT. Really help me define what I want to get into. **Eben Lenfest:** I was afforded the opportunity to spend the summer at NASA's Marshall Space Flight Center in Huntsville, Alabama so I could learn more the technology. We developed a model there and then when we came back in the fall we got to test it at the Composite Center's wave tank. **Grace Pouliot:** The College of Education is really phenomenal because from the very beginning in our freshman year we're getting out in the field and working with children. I've also felt really lucky to be a part of the Honors College because between the two of them I feel like I have all the support and professional development that I could ever need. **Eben Lenfest:** It was really cool being part of something new that had never been done before. Being part of the research and getting to work with some really cool



people. **Shayla Rose Kleisinger:** Getting into the All Maine Woman honor society has definitely changed my view. I was really caught up in engineering for a long period of time, but being a part of this group of leadership and strong successful women on campus has really given me an opportunity to see other perspectives. There are people from all majors involved with this organization. I just met an awesome network of women. **Ilija Stojiljkovic:** UMaine has such a diverse core of professors that provides so many different viewpoints that actually shaped the way I view things and I'm really grateful that I had the experience to work with all those professors. **Lydia Murray:** The person I am today compared to the person I was freshman year coming in here it's completely different. Having to balance the sport and nursing together really shaped me and helped me with a lot of things that I think you're going help me going forward too. **Vincent Eze:** I think the thing that I find interesting about the University of Maine is the fact that the people around you are always there to help you. **Ilija Stojiljkovic:** I came in as a boy, basically and am leaving as a man. There's a lot of people that I met on the way that affected me in many ways, but I'm happy to say attending UMaine was probably the best decision I made so far in my life. [\*Back to post\*](#)

## Dominic Guimond: Outstanding Graduating Student

09 Apr 2019

Dominic Guimond, of Portland, Maine, has been named the Outstanding Graduating Student in the Maine Business School. Guimond is majoring in management, with a concentration in management information systems and a minor in computer science. In 2019, he was named the Outstanding Management Student of the Year in the Maine Business School. He has been an IT help desk intern with Tyler Technologies in Yarmouth and an IT tech support intern with Northern Light Health in Bangor. Guimond also has been involved in research, including a study of the United States and Canadian film industries. He is vice president of the UMaine Super Smash Bros. Melee Club, and has participated in other clubs, including CyberSecurity, Fencing and Game Development. Following graduation Guimond will be working at Tyler Technologies, focusing on disaster recovery services. **What difference has UMaine made in your life and in helping you reach your goals?** I really learned how to study and dedicate myself here. In high school I never truly studied or really applied myself to my schoolwork. Once I got here, however, I really had to teach myself how to study and how to learn. I think this skill is something that I will be able to bring anywhere. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** My whole experience here has certainly changed how I view the world. I think the greatest thing the school has done for me is that it really brought me out of my shell. In high school I was very reserved and introverted, but being around so many people and being forced to live with them really made me change who I was. I now love talking to people, trying new activities, and putting myself into situations that I normally wouldn't, and getting outside my comfort zone. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** Certainly floor 1B of the library. I believe the reason I did so well was because I had a pretty rigorous study schedule. If I studied in my room I tended to get distracted. When I went to the library I had a certain mindset so I was always able to get on task. I always went to the same spot and got my work done. **Have you worked closely with a professor or mentor who made your UMaine experience better?** I would definitely say (assistant professor of management information systems) Matt Graham would be the professor who made my experience here better. I took every available class of his, he taught me all I know about IT, and he helped me get my position at Tyler. He is really passionate about his profession and he always showed it in class. Overall he is certainly the one here who has helped me the most. **What advice do you have for incoming students to help them get off to the best start academically?** Go and visit your professors. If you need help, ask them. They are more than willing to help you. By going to them, you show them that you are taking initiative rather than waiting to fall behind. It also helps them put a name to a face and makes the class feel much more personal.

## Eben Lenfest: Outstanding Graduating Student

09 Apr 2019

Eben Lenfest, of Smithfield, Maine, has been named the Outstanding Graduating Student in the College of Engineering. Lenfest is a mechanical engineering major with minors in robotics and ocean and marine engineering. He is an Eagle Scout and a recipient of the E. James and Eileen Ferland Engineering Excellence Scholarship. As a student research assistant at UMaine's Advanced Structures and Composites Center, Lenfest worked on a project to test the feasibility and effectiveness of applying a new NASA-developed structural damping technology to the university's VoltumUS floating offshore wind turbine platform. He also interned at NASA's Marshall Space Flight Center to learn more about the mechanics of the technology. Most recently, Lenfest has worked with a doctoral student to test a scale model wind turbine with active pitch control to better simulate real-world performance. Lenfest plays French horn in the UMaine Symphonic Band and University Orchestra, and has been involved in Black Bear Robotics, and the SCUBA and Maine Outing clubs. As a UMaine graduate student in mechanical engineering, he will continue his work in developing active pitch controls and will spend his summers at the U.S. Department of Energy National Wind Technology Center in Colorado. **What difference has UMaine made in your life and in helping you reach your goals?** Attending UMaine has allowed me to grow and challenge myself in ways I'd never considered. The research experience I've had at UMaine has exposed me to real-world engineering problems and cutting-edge solutions, allowing me to find my interests in the field. My professors, advisers and mentors have prepared me academically and helped create opportunities for me to put my skills into practice. There have also been opportunities to grow as a leader, both through club involvement and through my capstone project. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** The outreach that I've participated in at UMaine has made me realize how easy it is to have a positive impact in someone's life. During the annual Symphonic Band tour to middle and high schools across the state, our conductor has the local band director choose a student to conduct our ensemble in a simple march. The change from a look of fear to one of confidence over the course of the piece is supremely rewarding. **Why UMaine?** I chose to attend UMaine because I was looking for an affordable college in the Northeast with a renowned engineering program. I was impressed by the inviting feel of campus I experienced during high school tours and the Consider Engineering program. Also, UMaine is a big enough school where you can learn about or get involved with nearly anything that interests you, but small enough where you'll run across friends nearly every time you walk across campus. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** UMaine has many resources for student success. Lower-level courses are set up so that it is easy to get help from your peers, tutors, TAs or your instructor. For upperclassmen, there are opportunities to work for instructors or labs on campus to gain practical experience and connect with other faculty and students. **Have you worked closely with a professor or mentor who made your UMaine experience better?** I have worked with Andrew Goupee, assistant professor of mechanical engineering, for the past year and a half as a research assistant on his projects and a student in his Wind Energy Engineering and capstone classes. As the contact for the Ocean and Marine Engineering minor, he also has advised me on my educational path. Dr. Goupee has had a large role in helping me determine the career path I want to follow. Chris Allen (research engineer) and Matt Fowler (ocean engineer) of the Advanced Structures and Composites Center have also been excellent mentors, guiding my research experience and exposing me to numerous facets of real-world engineering. **What advice do you have for incoming students to help them get off to the best start academically?** Get involved with clubs you find interesting — they're a great outlet, and you can meet a lot of interesting friends. The New Balance Student Recreation Center and the vast network of walking trails behind it are excellent ways to take a break from the library or your dorm room. Don't be afraid to ask your peers or your professors for help. Bouncing ideas off each other in a study group is a much easier way to learn material than doing homework on your own. Take advantage of your professors' office hours if you are struggling with something; they'll be glad to see that you're putting forth the effort. (Also, many professors are fascinating people to talk with — I know one who's a pilot in his spare time and another who has gone caving all over the U.S.)

## Grace Pouliot: Outstanding Graduating Student

09 Apr 2019

Grace W. Pouliot, of South Berwick, Maine, has been named the Outstanding Graduating Student in the College of Education and Human Development and Honors College. Pouliot, a student in the Honors College, is an elementary education major with concentrations in mathematics and English language learning. The 2015 Mitchell Scholar is a recipient of this year's Maine Campus Compact Heart and Soul Student Award and is a member of All Maine Women honor society. In the Honors College she was a project leader in the Servant Heart Research Collaborative, working on projects to support the Child Rescue Center in Bo, Sierra Leone. Her honors thesis is "The Attachment Theory: A Content Analysis of the Objectives of the Servant Heart Training Modules." Pouliot also has attended Tembusu College at the National University of Singapore, co-directed the university's chapter of Camp Kesem and participated in UMaine Active Minds. She plans to pursue a career as a middle school teacher with concentrations in mathematics and English language learning. Pouliot also hopes to earn a master's degree in educational counseling. **What difference has UMaine made in your life and in helping you reach your goals?** The people I've met here at UMaine have been so incredibly encouraging. From professors and advisers to friends and mentors, I know that I couldn't have made it to graduation without the kindness and generosity of the UMaine community. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** The summer after my sophomore year of college I was able to study abroad through the Honors College at Tembusu College in Singapore. I loved getting the chance to explore a new part of the world — I had never been to Southeast Asia before that summer, let alone Asia — and I also enjoyed studying with students with incredibly different backgrounds from my own. **Why UMaine?** My older sister studied at UMaine before I did, and when I came up to Orono to visit her with our family I remember falling in love with this campus. Sure, UMaine had the program that I wanted and more opportunities than I would ever be able to pursue, but the decision to attend was made for me as soon as I felt at home on campus. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** I have been very lucky at UMaine to be a part of two academic colleges — the College of Education and Human Development and the Honors College — and both have provided me with so much support for success. In the College of Education and Human Development, I have the most supportive, encouraging advisers that I could ever dream of, and professors who are truly invested in my well-being. In the Honors College, I have opportunities for conferences and professional development, as well as professors who push me to challenge my own beliefs. I would say that the dual support between the two colleges has been essential to providing me with the tools that I need for success. **Have you worked closely with a professor or mentor who made your UMaine experience better?** I worked with the lovely (associate professor of early childhood development and education) Julie DellaMattera on the Servant Heart Research Collaborative and my Honors thesis, and her encouragement was instrumental. The associate dean of the Honors College, Melissa Ladenheim, has constantly pushed me to strive. I also have to give credit to Faith Earhart, Dominic Varney and all the other advisers at the COEHD advising center, because they have been so instrumental in helping me develop my professional goals and figure out how to make the most of my time at UMaine. **What advice do you have for incoming students to help them get off to the best start academically?** From the very first semester, make a plan for the classes you'll take in the next four years. It's so important to know you're on track for graduation, so meet with your adviser from the beginning and figure out semester by semester what you'll be studying. You can always change your plan later if you need to, but you can't have a Plan B unless you have a Plan A.

## Ilija Stojiljkovic: Outstanding Graduating International Student

09 Apr 2019

Ilija Stojiljkovic, of Niš, Serbia, has been named the Outstanding Graduating International Student in the Maine Business School. Stojiljkovic is a management major and forward on the men's basketball team. His honors include Scholar-Athlete awards, and being named to the 2019 America East All-Academic Team, and the Eastern College Athletic Conference President's Honor Roll and National Association of Basketball Coaches Honors Court, both in 2018. In his senior season, he was team captain. Stojiljkovic also has

been a member of Male Athletes Against Violence and the Student-Athlete Advisory Committee on campus, and served as a peer tutor and mentor. He plans to pursue a master's degree and play professional basketball. **What difference has UMaine made in your life and in helping you reach your goals?** UMaine provided a great base of knowledge and connections that I will build upon in the future. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** Different perspectives on different topics coming from a very diverse corps of professors definitely impacted the way I view the world. **Why UMaine?** I picked UMaine mainly as an opportunity to pursue my dream of playing NCAA Division I basketball; however, after taking courses in the Maine Business School, I realized that I can get a lot more than athletics out of this experience. People I have met at UMaine have thoroughly helped me become a better student, better athlete and, most importantly, a better person than I was four years ago. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** UMaine provides plenty of opportunities to succeed, both as a student, and also in life after college. Student Life offices, the Office of International Programs and also the Career Center are great resources that helped me be a more successful Ilija. **Have you worked closely with a professor or mentor who made your UMaine experience better?** Yes, more than a few professors. A few I would like to mention are (assistant professor of accounting) Henri Akono, (lecturer in management) Stefano Tijerina and (assistant professor of management) Muralee Das. **What advice do you have for incoming students to help them get off to the best start academically?** There is plenty of time to do your work and have fun, just make sure you manage your time properly. Balance is everything.

#### Lydia Murray: Outstanding Graduating International Student

09 Apr 2019

Lydia Murray, of Sault Ste. Marie, Canada, has been named the Outstanding Graduating International Student in the College of Natural Sciences, Forestry, and Agriculture. Murray is majoring in nursing and is a forward on the women's ice hockey team. Among her honors is a 2016–17 Team Maine award for the highest GPA on the team. In her four years in the nursing program, Murray has done numerous clinical rotations, caring for a range of patients at Brewer Center for Health and Rehabilitation, St. Joseph Hospital; Surgical/Orthopedic Unit and Medical/Neuroscience Unit, Northern Light Eastern Maine Medical Center; Surgical and Pediatrics at EMMC; and community clinicals at Orono High School, Orono Middle School and Asa C. Adams School. Her senior practicum is with the EMMC Obstetrics Unit. On campus, Murray has been involved in the Student-Athlete Advisory Committee and Athletes for Sexual Responsibility. She has discovered a passion for obstetrics and women's health, and plans to pursue a career as a registered nurse. **What difference has UMaine made in your life and in helping you reach your goals?** I am so grateful for UMaine because it allowed me to find my true passion in my work life — obstetrics and women's health. I was lucky enough to have my senior partnership working with postpartum mothers and newborn babies, which is now something I want to do for the rest of my career. UMaine has given me so many amazing friends and memories and it will always be a part of me. Everything that has happened, good and bad, has shaped me into the person I am today, and the person I will be after graduation. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** I have met so many international students and have made so many international friends. Throughout my four years, I have had women on my team from Austria, the Czech Republic, Denmark, France, Latvia, Norway, Russia and Sweden. My roommate is from Sweden and it is so amazing to see the cultural differences and similarities in her day-to-day life. **Why UMaine?** I chose UMaine because it felt like home to me. The people here seemed friendly and down to earth, and that is exactly what they turned out to be. UMaine also has an amazing accredited nursing program. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** In regard to student-athletes, we had so many resources to help us reach our full potential in academics. My academic adviser, Cristina Kerluke, was the most supportive and encouraging faculty member I met here at UMaine. She allowed me to focus on my studies while she completed a lot of the “behind-the-scenes” work. She was always there for me and other student-athletes. I also was a mentor/tutor during my time here, so I was able to see and be a part of the support students receive firsthand. **Have you worked closely with a professor or mentor who made your UMaine experience better?** The nursing faculty here are amazing. Deborah Saber (assistant professor of nursing) was definitely a professor who made my experience here better. She was my lab instructor sophomore year and now is my academic adviser. From day one, she always believed in me, and always pushed me to my full potential. **What advice do you have for incoming students to help them get off to the best start academically?** My advice would be to treat school like a 9–5 job. Be prepared ahead of time. When you're doing your work, be efficient and focus. I would also say to keep a well-balanced life; as long as you are efficient in your studies, then you shouldn't have to sacrifice sleep, meals or social life.

#### Natascia La Verde: Outstanding Graduating Student

09 Apr 2019

Natascia La Verde, of Belfast, Maine, has been named the Outstanding Graduating Student in the Division of Lifelong Learning. La Verde is a university studies major whose interdisciplinary program predominantly focuses on history, social sciences, psychology, communication and cultural diversity. She is a member of Alpha Sigma Lambda honor society. La Verde's research focuses on the experiences and journey of individuals who historically created social, political and civil resistance. She has written about conscientious objection, and about resistance during the Nazi regime, the Penobscot Nation, and Rachel Carson and the environmental movement. La Verde is a parent and staff member at UMaine's Hutchinson Center. She also is an active community volunteer. She has taught Italian to elementary school children, worked with teenagers at a behavioral institution, participated in the Belfast Creative Coalition, and assisted elders. She plans to continue her research on resistance movements throughout history. **What difference has UMaine made in your life and in helping you reach your goals?** I have found a culture of intellectual inclusiveness. Most importantly, I have found that the academic staff is uniquely qualified. Most professors I have worked with were clear about the premises of academic discipline, but they were also able to create an atmosphere of intellectual stimulation and constructive dialogue. I value immensely freedom of expression. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** Yes. It was while studying the meaning of myth and heroes. While revisiting the legends and the mythological undertakings of some heroes recounted in ancient or modern history, I rediscovered the value of a human being's journey attached to the value of his (or her) destiny. The dreams and the desires that we feel inside are like seeds already planted in us. Mysteriously and magically they are there. Staying in faith means to trust that we are loaded with these seeds, which are gifts, talents and divine powers intended to support us during a particular journey and at last to fulfill our destiny. I discovered a deeper meaning of faith. **Why UMaine?** The experiences of life are very subjective. To me, UMaine has provided a support system (mostly academics) that a student can rely on when multiple challenges arise. The quality of university studies, no matter the field of study, comes mainly from the inspiration that a student can draw from their teaching environment. I have met some of the most inspirational professors at this university. Inspiration fuels imagination and boosts the desire to improve and evolve. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** I would encourage students to use the Career Center. Sometimes some opportunities are not always explored in the layout of our agendas, and the people who work there can help think outside the box. **Have you worked closely with a professor or mentor who made your UMaine experience better?** Barbara Howard, the director of the Bachelor of University Studies program. She has always been consistent with her message that “it has to resonate with your soul.” And that message has always played like a music record in my mind. **What advice do you have for incoming students to help them get off to the best start academically?** Apply as much self-discipline as you can: recognize when you are most motivated to best use your energy levels, recognize when you have unproductive urges and try to fight them, and include people in your life that can be supportive because they help to create a psychological boost to your confidence and motivation.

#### Shayla Kleisinger: Outstanding Graduating International Student

09 Apr 2019

Shayla Kleisinger, of Winnipeg, Canada has been named the Outstanding Graduating International Student in the College of Engineering. Kleisinger is a biomedical engineering major with a minor in nanotechnology. As a member of the swimming and diving team, her primary events are freestyle and individual medley. In 2016–17, she was named to the America East All-Academic Team. Kleisinger is a member of the All Maine Women honor society, vice president of the UMaine chapter of Active Minds, a peer tutor and a teacher in the Black Bear Swim School. She also has been involved in research on campus, working in the Howell Biointerface and Biomimetics Laboratory and participating in an interdisciplinary project through the Senator George J. Mitchell Center for Sustainability Solutions. Kleisinger also was a mentor in the Maine EPSCoR High School Internship Program. Her capstone research project focuses on microsatellite technology used in NASA's CubeSat initiative that would be capable of sustaining the growth of microgreen plants in space. She plans to pursue a job in biomedical technology and attend graduate school. **What difference has UMaine made in your life and in helping you reach your goals?** UMaine has provided me the unique opportunity to do significant research during my undergraduate career. At many large colleges, research positions are very limited. As an undergraduate, I have worked on multiple research teams and have even been able to submit for a publication. The ample experience I have will allow me to have an advantage when entering my professional career. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** Being a part of the All Maine Women honor society has definitely shaped the way I look at the world. It is has provided me the opportunity to meet amazing female leaders throughout the university campus and meet lifelong friends. All Maine Women has strengthened my love for UMaine and shown me that I have a true passion for advocacy work. **Why UMaine?** During my senior year of high school, I was in the recruiting process for swimming, as I was looking to continue my athletic career in the NCAA. I was interested in studying biomedical engineering, which was a new, up-and-coming degree at the time. This meant that my options for colleges were slightly more limited. I was contacted by the University of Maine through the athletic department to see if I was interested in competing for a Division I program. Following this, I came on a recruiting trip to tour the campus and meet the swimming team. UMaine was the fourth school I had visited during this process. As soon as I got to the campus, I was immediately impressed with all it had to offer. With a highly successful engineering program, ample opportunity for research, and an overall inviting atmosphere, I knew that the University of Maine was the perfect fit for me. I signed with the athletic department shortly after my visit to the campus in April and made the move to Maine in August before the beginning of my freshman year. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** UMaine has a vast collection of resources for students, regardless of the degree they are pursuing. These resources allow for student success in any avenue individuals choose to follow. I found that the set of resources that helped me the most throughout college was the academic support staff in the athletic department. With their help, I was able to plan my schedule in a way that balanced athletics and academics, while also being provided resources such as tutoring and mentorship. **Have you worked closely with a professor or mentor who made your UMaine experience better?** I am very fortunate to have had many amazing female mentors throughout my collegiate career. I have had many in the athletic department, including Susan Lizzotte and Linda Costello, who are two of the UMaine swimming and diving coaches, along with Lynn Coutts, the senior associate director of athletics. These three have helped me throughout the many trials and tribulations faced by student-athletes. Their understanding of and commitment to both athletics and academics ensured my success in the classroom and in the pool. Furthermore, I joined a project through the Mitchell Center on campus halfway through my junior year, which introduced me to Brienne Berry. Brie is currently a Ph.D. student in anthropology and environmental policy and is the graduate mentor for the Diana Davis Spencer Scholar group. Brie has opened my eyes to the possibilities surrounding interdisciplinary research and has significantly strengthened my communication and writing skills. Without her, I would not have been able to maneuver much of my research and have nearly as many opportunities for presentations, conference attendance, and even publication in an academic journal. **What advice do you have for incoming students to help them get off to the best start academically?** My advice to incoming students would be to get involved on campus as soon as possible, be it through research opportunities or clubs. This will allow you to build a network of resources that you can tap into for guidance throughout your collegiate career. Along with that, it will strengthen your resume and allow you to apply the skills you develop in your classes. Personally, I feel like the moments where I did a significant amount of learning were in situations where I was doing research outside of my classes. I was able to find relevance in what I was learning in those classes and use it to my advantage. On top of that, involvement in research and organized groups solidified my passions and helped define my future career goals.

#### Thilee Yost: Outstanding Graduating Student

09 Apr 2019

Thilee Yost, of Damariscotta, Maine, has been named the Outstanding Graduating Student in the College of Liberal Arts and Sciences. Yost, a student in the Honors College, is a double-major in political science and philosophy, with minors in legal studies, and political philosophy and ethics. Her numerous honors include the John Mitchell Nickerson University of Maine Memorial Scholarship, a UMaine Center for Undergraduate Research Fellowship and U.S.-Singapore Exchange Scholarship. Her honors thesis is “Asian American Political Incorporation: A Case Study of Hmong Americans in St. Paul.” At a National Collegiate Honors Council conference, Yost presented, “Dialogues and Diatribes: An Eloquent Discussion for a More Civilized Age,” which focused on the Honors College current events course in which she is a teaching assistant. She has been a resident assistant for three years, and had leadership roles in UMaine’s Pre-Law Society and the Mock Trial Team. Yost is a member of All Maine Women honor society. She plans to pursue a joint degree program to earn a law degree and a master’s in public policy. **What difference has UMaine made in your life and in helping you reach your goals?** UMaine is extremely underrated in how many opportunities you can find here. I traveled to Singapore on a full scholarship, I am a resident assistant, I am a course facilitator who helps teach a class without a professor present and helps shape the course curriculum. I presented at the NCHC conference, I have worked on research and articles with professors, my thesis research is getting funded, and I’ve been able to be a part of programs and groups where I’ve gained a mentor who has helped me know what I want to do and where I want to go. I am only one student — there are a lot of opportunities for students here, and I have been privileged enough to have those opportunities made available and accessible to me. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** The courses I’ve taken within my philosophy major have definitely helped shape my morals and ethics. But what has furthered my ability to self-reflect on these ethics is being able to talk about these current issues and events with close, intellectual friends who push me to think harder and more critically, and be able to articulate those thoughts and beliefs. **Why UMaine?** I primarily chose UMaine for its affordability as I am an in-state student, but since coming here, I’ve learned UMaine has so much more to offer than just a low price tag. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** I would describe the opportunities at UMaine as hidden but plentiful. For all of the opportunities I have taken advantage of, I have to largely thank the Honors College. The Honors College not only provides a lot of special opportunities, but also a network of professors and peers who care about your success and want to support you so you can do well. Both professors and students will point out extra opportunities that will interest you because they know you better than peers in other classes. **Have you worked closely with a professor or mentor who made your UMaine experience better?** This is a difficult question as there are countless people and professors who have taught me so much and have had a positive impact on me. I want to mention and thank my first political science professor, Glen Holman, and my first philosophy professor, Jessica Miller. My first semester here, I took classes with these professors and they are the reason why I chose both (disciplines/fields) as majors. I definitely want to recognize my thesis adviser, Amy Fried, who supported me through the challenging process of research and analysis. Without her, I wouldn’t be doing a thesis. I also had the opportunity to work with (Rezendes Preceptor for Civic Engagement) Mark Haggerty, as he oversees the class that I TA for. He has given me a lot of independence and autonomy in the position and it has given me invaluable skills. **What advice do you have for incoming students to help them get off to the best start academically?** My personal secret to success is keeping a detailed assignment notebook of all my tasks. Accountability and promptness are key skills students should start practicing as soon as they can. Another general piece of advice for college is to say yes to opportunities that come your way. I don’t think I could have arrived at where I am if I had said no to the opportunities I’ve had here at UMaine.

#### Vincent Eze: Outstanding Graduating International Student

09 Apr 2019

Vincent Eze, of Lagos, Nigeria, has been named the Outstanding Graduating International Student in the College of Education and Human Development. Eze is double-majoring in child development and family relations, and in sociology, with a concentration in individual and family studies. He is a forward on the men’s basketball team, and received both Rising Star and Scholar-Athlete awards of the Athletics Department. Eze is a teaching assistant and member of the Student-Athlete Advisory Committee. He also has been involved in student groups, including Male Athletes Against Violence, the Student Portfolio Investment Fund (SPIFFY) and the International Student Association. He plans to attend graduate school to study public administration. **What difference has UMaine made in your life and in helping you reach your goals?** Overall it has helped prepare me for what is next. I don’t think my overall goal is reached yet. I am just glad to be in the process of graduating and looking at the next phase of my career. I have met a lot of great people during my time here at UMaine and some of the friendships will last a lifetime beyond my time here at the university. **Have you had an experience at UMaine that has changed or shaped the way you see the world?** Patience, consistency, and belief that it will all work out to be better. Keeping a positive attitude through it all. **Why UMaine?** It all started out with sports. I was recruited here by Bob Walsh, the former men’s basketball coach. I came down for my visit in the fall and met a great group of young men that had a bond among themselves. I met the academic adviser (for my program) and I toured the campus. I liked it, though it was different than what I am accustomed to, having been around the city my whole life. I was ready for a temporary change and UMaine gave me that. **How would you define the opportunities for student success at UMaine? Is there any particular initiative, program or set of resources that helped you succeed?** The opportunity for student success is very high, especially when you do work and seek help when you need to. There are lots of resources on campus available to students. Ask questions if you are not sure if a particular resource you need is available. Most likely it is and the student isn’t aware of it. **Have you worked closely with a professor or mentor who made your UMaine experience better?** Yes. I have worked for Sandra Caron. She impacted my experience in so many positive ways. **What advice do you have for incoming students to help them get off to the best start academically?** Start with the Explorations program first. Don’t be in a haste to pick a major that you aren’t sure if you would like. Take different courses and get a feel for each course, and as time goes on, you will know the courses you like and don’t and that will assist with facilitating the decision process.

#### Machover to discuss music ‘From Robotic Operas to City Symphonies and Beyond’

10 Apr 2019

How can music, enabled by new technological tools and scientific concepts, increase awareness of self and connection with others, promote lifelong health and well-being, and build stronger communities and societies? These questions will be the focus of Phi Beta Kappa visiting scholar Tod Machover’s free, public lecture “From Robotic Operas to City Symphonies and Beyond” at 3:30 p.m. April 12 in the McIntire Room at Buchanan Alumni House. A reception with snacks and beverages will precede the lecture at 3 p.m. Machover is the Muriel R. Cooper Professor of Music and Media at the MIT Media Lab. He has been called a “musical visionary” by The New York Times and “America’s most wired composer” by the Los Angeles Times. His compositions have been commissioned and performed by many of the world’s most prestigious ensembles and soloists. He has been awarded numerous prizes and honors, including Musical America’s 2016 Composer of the Year. The lecture is a look at the future of music, viewed from Machover’s career in research, production and performance. Audio and video of his research initiatives and worldwide performances over the past 30 years will be played, including his collaborative “Philadelphia Voices,” the “robotic” “Death and the Powers,” as well as his latest, “Schoenberg in Hollywood.” The Phi Beta Kappa Society’s Visiting Scholar Program provides undergraduates with the opportunity to meet some of America’s most distinguished scholars. The program contributes to the intellectual life of UMaine through an exchange of ideas between visiting scholars and resident faculty and students. The College of Liberal Arts and Sciences and the Phi Beta Kappa Delta Chapter of Maine are co-sponsors of Machover’s visit and lecture. For more information, email Jessica Miller at [jessica.p.miller@maine.edu](mailto:jessica.p.miller@maine.edu). To request a reasonable accommodation, contact Kelly Gilks, 581.1954; [kelly.gilks@maine.edu](mailto:kelly.gilks@maine.edu).

#### April, May CCA lineup to include Beijing Guitar Duo, Boston Trio, theatre broadcasts

10 Apr 2019

April and May events in the University of Maine Collins Center for the Arts’ 2018–19 season will include a musical duo and a trio, and two theatre productions broadcast from London. The Beijing Guitar Duo will perform at 3 p.m. April 14 in Minsky Recital Hall. Members Meng Su and Yameng Wang have toured extensively, performing and teaching all over the world. The pair’s performances and recordings have impressed the public with “an ability and artistry that exceeds their years.” The Boston Trio will perform at 3 p.m. May 19 in Minsky Recital Hall. Since their formation in 1997, the cello, piano and violin trio has quickly become one of today’s most exciting chamber groups. Acclaimed for their superb sense of ensemble and wondrous balance, these virtuosic and profound musicians are committed to creating exceptional and daring performances of standard and contemporary repertoire. Both chamber music concerts were chosen as selections in the John I. and Elizabeth E. Patches Chamber Music Series. A reception for patrons and artists will follow each concert. Two recorded productions will be shown as part of the National Theatre (NT Live) series, which includes plays that are filmed in front of a live audience, transmitted via satellite to the CCA, then projected onto a high-definition screen — one of the largest in the state. When filmed, cameras are carefully positioned throughout the theatre to ensure cinema audiences get the best-seat-in-the-house view. “The Tragedy of King Richard the Second” will be shown at 7 p.m. April 12 at the CCA. This visceral new production about the limits of power, broadcast live from the stage of the Almeida Theatre in London to cinemas, stars Simon Russell Beale as William Shakespeare’s Richard II and is directed by Joe Hill-Gibbins. Richard II, King of England, is irresponsible, foolish and vain. His weak leadership sends his kingdom into disarray and his court into uproar. Seeing no other option but to seize power, the ambitious Bolingbroke challenges the throne and the king’s divine right to rule. “All About Eve” will be shown at 7 p.m. May 9 at the CCA, and tells the story of Margo Channing. Legend. True star of the theatre. The spotlight is hers, always has been. But now there’s Eve. Her biggest fan. Young, beautiful Eve. The golden girl, the girl next door. But you know all about Eve ... don’t you? Lifting the curtain on a world of jealousy and ambition, this new production, from one of the world’s most innovative theatre directors, Ivo van Hove, asks why our fascination with celebrity, youth and identity never seems to get old. To view the full season schedule, request a reasonable accommodation or purchase tickets, visit the [CCA website](#).

#### Ellsworth American, BDN cover CCA concert with BSO, UMaine groups

10 Apr 2019

[The Ellsworth American](#) and [Bangor Daily News](#) covered the Bangor Symphony Orchestra’s fifth Masterworks concert of the 2018–19 season on April 7. The concert was a celebration of American composers, according to the articles. The event also was the symphony’s annual collaboration with the University Singers and Oratorio Society, two University of Maine groups, and “the combined choruses shone in frequent commentary on the action, well-balanced a cappella sections and a rousing finale,” according to The Ellsworth American.

#### NYT publishes Barkan’s letter to the editor

10 Apr 2019



[The New York Times](#) published a letter to the editor by Steven Barkan, a professor of sociology at the University of Maine. In the letter, Barkan responded to a Times article about the politics surrounding the death penalty.

#### **Penobscot Bay Pilot, Republican Journal report registration open for World Climate Negotiations simulation**

**10 Apr 2019**

The [Penobscot Bay Pilot](#) and [Republican Journal](#) reported registration is open for the World Climate Negotiations from 5–8 p.m. May 9 at the University of Maine Hutchinson Center in Belfast. The free, interactive simulation will be led by Anna McGinn and Will Kochnitzky, UMaine graduate students who attended the annual United Nations Climate Change Conference in Poland in December. Participants will learn how climate negotiations work, how negotiators interact and what decisions they need to make in order to agree on commitments that will reduce global carbon emissions sufficiently to meet the Paris Agreement goal of keeping global warming below 2 degrees Celsius, the articles state. The event is a collaboration between the Hutchinson Center, the UMaine School of Policy and International Affairs, the UMaine Climate Change Institute and the Belfast Bay Watershed Coalition, according to the articles. To register or request a reasonable accommodation, contact Michelle Patten, 338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

#### **Media cite research by Groden in article on browntail moths**

**10 Apr 2019**

[Morning Ag Clips](#), [Maine Public](#) and the Associated Press cited research by Eleanor Groden, a professor of entomology at the University of Maine, in articles about the expected spread of browntail moths in Maine this spring. The pest defoliates native oaks, cherries and hawthornes, as well as apple, crabapple and several other deciduous trees, and is a serious public health nuisance, the articles state. "The scale of this outbreak, we haven't seen in a hundred years, when browntail moth was first introduced into North America," Groden said. "Now we have about 126,000 acres that are infested, as of this past fall, which is double what the forest service estimated in 2016." Groden and her students are working with the Maine Forest Service and others to research the dynamics of the current outbreak and potential management strategies for the pest. Groden's team is working with researchers Barbara Cole and Ray Fort, and Ph.D. student Hyeweon Hwang, all in the UMaine Department of Chemistry, to explore multiple life stages of the browntail moth to identify weak links that could help manage the pest, Morning Ag Clips reported. The [Bangor Daily News](#), [Portland Press Herald](#) and San Francisco Chronicle carried the AP article.

#### **McGill named lifetime honorary Fellow of the Ecological Society of America**

**10 Apr 2019**

Brian McGill, a professor of biological science at the University of Maine, was named a lifetime honorary fellow of the Ecological Society of America. The society established its fellowship program in 2012 with the goal of honoring its members and supporting their competitiveness and advancement to leadership positions in the society, at their institutions, and in broader society, according to a release from the society. McGill also has a dual appointment in UMaine's Mitchell Center for Sustainability Solutions and a cooperating appointment with the UMaine Climate Change Institute. He was recognized for important contributions to the fields of macroecology, population and community ecology, spatial ecology and global change, and for exceptional service to the discipline via editorial work and his Dynamic Ecology blog.

#### **Keeping small ruminants healthy focus of April 13 workshop**

**11 Apr 2019**

Building awareness of disease and learning screening techniques for sheep, goats, alpacas and other small ruminants is the focus of the second annual small ruminants health workshop 1–4 p.m. April 13 at the Foxcroft Large Animal Veterinary Associates (FLAVA) Clinic in Dover-Foxcroft. Sponsored by University of Maine Cooperative Extension and FLAVA, topics include common diseases and screening techniques for small ruminants. Catarina Ruksznis, DVM, FLAVA large-animal veterinarian, will lead the discussion. UMaine Extension livestock specialist Colt Knight will demonstrate and certify attendees in the FAMACHA diagnostic technique, and participants are encouraged to bring fecal samples from their animals. Live demonstrations will be held in the barn. Participants must dress for the weather and wear shoes that can be disinfected on-site. Youth under the age of 12 must be accompanied by an adult. The workshop is free; online registration is required. For more information or to request a reasonable accommodation, call 564.3301 or email [extension.piscataquis@maine.edu](mailto:extension.piscataquis@maine.edu). More information also is [online](#).

#### **Black Bear Food Guild selling farm shares**

**11 Apr 2019**

Black Bear Food Guild, the University of Maine's community-supported agriculture (CSA) share program organized and managed by sustainable agriculture students, is entering its 25th season this summer. Full, half and quarter shares are being offered on a first-come, first-served basis for \$525, \$350 and \$200, respectively. The 2019 season will run from early June through mid-October, with weekly produce pickups at Rogers Farm in Old Town. The student farmers this year are Dan Feigl and Cavan Dudley. For more information or to purchase a share, email [blackbearcsa@gmail.com](mailto:blackbearcsa@gmail.com) or visit their [Facebook](#) page.

#### **2019 Zimmerman Memorial Fitness Challenge to be held April 13**

**11 Apr 2019**

The University of Maine will host the 2019 1st Lt. James R. Zimmerman Memorial Fitness Challenge on April 13. Four-person teams, which can register in one of three categories, will participate beginning at 11:30 a.m. in a variety of physical activities including pack runs, pull-ups and a crawl through a mud pit. The course will start on Morse Field at Alford Stadium and continue throughout campus, as well as surrounding fields and trails. The challenge was established in 2011 to honor and remember Zimmerman, a 2008 UMaine Naval Reserve Officer Training Corps (NROTC) graduate from Houlton, who was killed in action November 2010 in Afghanistan. [Online](#) registration is \$15 for UMaine students, \$20 for nonstudents. In-person registration on the day of the event will be \$20 for UMaine students, \$25 for nonstudents and located in the Satellite Lot between the football field and NROTC house. Proceeds from the event go toward the 1st Lt. James R. Zimmerman Memorial NROTC Award to aid future graduates of the UMaine NROTC program. More information about Zimmerman and the fitness challenge is on the event's [website](#) and [Facebook](#) page.

#### **Davee family receives Fogler Legacy Award, Penobscot Bay Pilot reports**

**11 Apr 2019**

The [Penobscot Bay Pilot](#) reported four generations of the Davee family received the Fogler Legacy Award at the University of Maine Alumni Association's annual Alumni Achievements Awards dinner April 5. The Davee family has forged paths in engineering and other fields, and become engaged members of the UMaine community well beyond graduation, the article states. The Fogler Legacy Award recognizes a family with at least three generations of UMaine graduates and at least two members having a record of outstanding service to UMaine, their community or their profession.

#### **BDN reports four student-athletes among Outstanding Graduating Students**

**11 Apr 2019**

The [Bangor Daily News](#) reported four student-athletes are among this year's Outstanding Graduating Students at the University of Maine. Vincent Eze, of Bethlehem, Pennsylvania, was named the Outstanding Graduating International Student in the College of Education and Human Development. The child development and family relations and sociology double major is a forward on the men's basketball team. Eze has a concentration in individual and family studies, is a teaching assistant and member of the Student-Athlete Advisory Committee, and has been involved with Male Athletes Against Violence, the Student Portfolio Investment Fund and the International Student Association. Ilija Stojiljkovic, of Nis, Serbia, was named Outstanding Graduating Student in the Maine Business School. The management major is captain of the men's basketball team, served as a peer tutor and mentor, and has been involved with Male Athletes Against Violence and the Student-Athlete Advisory Committee. Shayla Kleisinger, of Winnipeg, Canada, was named Outstanding Graduating International Student in the College of Engineering. The biomedical engineering major is a member of the women's swimming and diving team. Kleisinger has a minor in nanotechnology, is a member of the All Maine Women honor society, serves as vice president of the UMaine chapter of Active Minds, and has worked in the Howell Biointerface and Biomimetics Laboratory. Lydia Murray, of Sault Ste. Marie, Canada, was named Outstanding Graduating International Student in the College of Natural Sciences, Forestry, and Agriculture. The nursing major is a forward on the women's ice hockey team. Murray has done numerous clinical rotations, including a senior practicum with the obstetrics unit at Northern Light Eastern Maine Medical Center in Bangor and has been involved with the Student-Athlete Advisory Committee and Athletes for Sexual Responsibility. The students will be honored May 11 at UMaine's 217th Commencement at Alford Arena, the BDN reported.

## Media cover 2019 UMaine Student Symposium

11 Apr 2019

[News Center Maine](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) covered the fourth annual University of Maine Student Symposium April 10 at the Cross Insurance Center in Bangor. Hundreds of undergraduate and graduate students presented their research findings in the arts, health care, science, engineering, education and other topics to more than 1,000 attendees. “Basically we have nine disciplinary categories ranging from the arts and social sciences, to education, to engineering, to physical sciences, to life sciences, as well as one interdisciplinary category,” said Scott Delcourt, associate vice president for graduate studies. “Our main focus is actually helping the state of Maine at the local level, the state level, and then looking nationally at how we can apply what we’ve learned to impact a greater percentage of the population,” said Elisabeth Kilroy, vice president of Graduate Student Government. “I think students are finally seeing that their work matters and it’s important.” The symposium involved physical projects, posters and oral presentations, and was part of Maine Impact Week, a celebration of UMaine faculty and students and their contributions to their communities, News Center Maine reported.

## 2019 CUGR and MSGC summer fellowship winners announced

11 Apr 2019

The University of Maine’s Center for Undergraduate Research (CUGR) has announced the 2019 CUGR and Maine Space Grant Consortium (MSGC) summer fellowship winners. Undergraduate proposals will be awarded \$3,000 for MSGC and \$3,300 for CUGR. Graduate projects will receive \$6,000 each during the summer semester. Funding is provided by the UMaine Office of the Vice President for Research and NASA’s Maine Space Grant Consortium. This year’s winners are: **CUGR Summer Fellowship**

- Raegan Harrington, psychology, “Adolescent Depression, Co-rumination and Friendship: A Longitudinal, Observational Study,” advised by Rebecca Schwartz-Mette;
- Brittany Kucera, anthropology, “Exploration of Rainwater Harvesting Potential at the Nadin-Gradina Archaeological Site, Northern Dalmatia, Croatia,” advised by Gregory Zaro;
- Rachel Bonney, marine sciences, “Bioaccumulation and Potential Impacts of Nanoplastics and Glyphosate in Developing Zebrafish (Danio rerio),” advised by Nishad Jayasundara;
- Haley Nelson, new media, “Growing Up Cuban,” advised by Margo Lukens; and
- Kaj Overturf, biology, “The Effects of Winter Weather on Wild Turkey Roost Site Selection in Maine,” advised by Erik Blomberg.

## Undergraduate MSGC Summer Fellowship

- Mitchell Harling, biomedical engineering, “Optical Exploration of the Adipose Tissue Microenvironment using 2-Photon Microscopy,” advised by Karissa Tilbury;
- Morganne Robinson, kinesiology and physical education, “The Development of a Senescence-Associated Secretory Phenotype (SASP) Detection Panel,” advised by Kristy Townsend;
- Angel Loreda, mechanical engineering, “Determining the Mechanical Properties of Sintered Lunar Regolith from Concentrated Sunlight,” advised by Justin Lapp;
- Basel White, biomedical engineering, “The Computational Assessment of Breast Tissue Density Through the Use of the Continuous Density Score,” advised by Andre Khalil;
- Joshua S. Stone, Earth and climate sciences, “Improving Methods for U/Pb Dating in Geological Materials,” advised by Alicia Cruz-Urbe;
- Benjamin Moore, biochemistry, “In Planta Minichromosome Engineering using CRISPR-Cas9,” advised by Ek Han Tan;
- Hua Lin, engineering physics, “Silicon-Carbide Nanowires and Thin Films for Sensing Strain and Pressure in Harsh Environments,” advised by Sheila Edalatpour; and
- Jacob Girgi, mechanical engineering, “Design and Fabrication of a Lower-limb Biofeedback Device,” advised by Babak Hejrati.

## Graduate MSGC Summer Fellowship

- John Goulet, engineering physics, “UAV Navigation Through GPS Denied Regions Towards Sources of Interest,” advised by C. T. Hess;
- Daniel Regan, biomedical engineering, “Pathogen Collection and Handling System for Spacecraft Biosurveillance,” advised by Caitlin Howell;
- Benjamin Hebert, engineering physics, “UAV Propeller Design for Low Density Martian Atmosphere,” advised by Samuel Hess;
- Clara Deck, Earth and climate sciences, “Characterizing Changes on the Ross Ice Shelf using 3D Models Informed by Data from NASA’s ICESat-2,” advised by Peter Koons; and
- Erin McConnell, quaternary and climate studies, “Calibrating Ice Core, Weather Station, and NASA MODIS Ice-Surface Temperature Records to Analyze Atmospheric Variability in the St. Elias Mountains, Yukon, Canada,” advised by Karl Kreutz.

## UMaine Dining invites you to take a ‘Taste of the World’ this month

11 Apr 2019

The cuisines of Egypt, Peru and the Caribbean will be offered in the annual Taste of the World event at the University of Maine, April 11, April 18 and April 25, from 4:30–8 p.m. The all-you-care-to-eat menus are \$14.22 for adults; \$6.47 for children ages 12 and under. Students can attend using their meal plans; UMaine community members can use Dining funds or Black Bear Bucks. This year, the UMaine Dining event has been expanded from one day to three to give diners the opportunity to partake in the three theme meals, complemented by international music and decor. Egyptian cuisine will be offered April 11 in Hilltop Dining. The menu will include Baba Gannouj, fava bean soup, Egyptian tomato salad, dukkah chicken and basseema coconut cake. Peruvian dishes will be featured in Wells Central April 18, including grilled corn with cheese, a spicy chicken soup, Cebiche with a plantain shell, braised pork adobo and a cookie/cake layered pastry named Alfajor capullano. Foods of Trinidad and Tobago will be on the menu April 25 in York Dining, including pan-fried vegetable fritters with dipping sauces, seafood creole soup, fire-roasted eggplant and cannellini bean, pineapple glazed chicken breast, macaroni pie from Trinidad and a bananas Foster station. Dining facilities managers consulted with students or members of the UMaine community in the planning the menu. UMaine Dining uses local foods and produce, including the international cuisine for Taste of the World. Vegetarians and vegan dishes are available.

## Science Channel showcases Gill’s pursuit of ‘Lost Beasts of the Ice Age’

12 Apr 2019

Jaquelyn Gill stood entranced inside a permafrost cave in Siberia. Woolly mammoth tusks protruded through glistening walls. A lion cub, dead for 30,000 or more years, appeared as if it was napping. “In those 30 minutes (inside the cave), I had the opportunity to get closer to the landscape I’ve devoted my career to understanding than the rest of my whole life as a scientist,” says the University of Maine paleoecologist. Gill, who studies the geology of the past and geographical distribution of living things through space and time, was a member of an international all-star research team taking part in a September 2018 expedition to film “Lost Beasts of the Ice Age.” The special premiered Feb. 28 on the Science Channel. Subscribers can watch the 84-minute show [online](#). The permafrost caves in Siberia — made by residents with high-powered water hoses searching for tusks to sell to collectors — provide a new window into the past, says Gill. She and other scientists are eager to throw open the window. “We don’t know what we’ll find and we want to capitalize on what the tunnels are revealing about lost worlds. These are the best specimens in the world,” Gill says of tusks, bones and mummies of woolly mammoths, woolly rhinos, wolves, lions and birds. Some specimens are nearly fully intact, frozen in place an ice age ago. In a [Science Channel Facebook video](#), Gill says of the permafrost cave, “It’s like walking into some kind of fairy wonderland ... I don’t even have words to describe it; it’s like a living thing. It’s real.” To enter the wonderland, Gill climbed down a ladder made of small logs into a muddy trench with high walls. She then crawled through a small opening into a long, low tunnel. Eventually, Gill turned a corner and entered an open, frost-sparkled chamber with bits of grass hanging from the ceiling and bones and tusks frozen in the walls. After filming of the magical experience wrapped, Gill began to feel ill. On the trek home, she was diagnosed with deep vein thrombosis in her legs and pulmonary embolism in her lungs. In Yakutsk, she was hospitalized for nearly three weeks, one of which was in intensive care. Gill continued her recuperation in a hotel for 10 days before returning home in an air ambulance. “Personally, I learned to do things that scare you,” she says of participating in the project. “It’s almost always worth it. I say that and I almost died.” Last summer, Gill got the call asking if she’d like to take part in the excursion. Despite the short notice and looming deadlines and commitments, she got a visa issued by Russia, and headed out. Far out. She traveled by bus to Boston, and took commercial flights to London, then Moscow and then Yakutsk, the coldest city on Earth and the largest in the immense Sakha region of Russia. There, she boarded a small cargo aircraft that landed on a gravel airstrip in the boreal forest of Belaya Gora, which is located on the Indigirka River in the Arctic Circle. “It was very Indiana Jones,” Gill says. September is an ideal time to be in Siberia, says Gill. The temperature is 30–45 degrees Fahrenheit; not super cold yet cold enough to keep the swarming bugs at bay. To get to the cave from base camp — where local caterers prepared food for the team — the scientists, film crew, translators, a permafrost safety expert, and doctor boarded a small river cruise boat each day for a three- to four-hour ride. When the water became too shallow for the cruise boat, the team transferred to motorized aluminum boats to continue upriver. When the water became too shallow for the aluminum boats, the team hiked for about an hour in “permafrost quicksand” to get to the cave. There, tusk hunters had set up makeshift tents and kettles of muddy tea over a fire. “All of us feel we didn’t have enough time,” says Gill of the time allotted in the cave. Us included Tori Herridge, paleontologist at the Natural History Museum in London. “The quest to understand the extinction of so many large animals at the end of the last ice age — and whether humans, or climate change, or both, were responsible — has never felt so important in a world where wildlife is under increasing threat,” Herridge told TV Weekly. Us also included George Church, a genetics professor at Harvard Medical School. He seeks to genetically engineer a mammoth-elephant hybrid. Scientists believe the animals could slow the thawing of the Arctic permafrost that contains about 1,500 billion tons of planet-warming carbon. The re-introduced mammoth-elephants would trample trees and shrubs to re-create grasslands (which absorbs less heat than trees). In the winter, the animals would compact snow (an insulator), allowing the frigid temperatures to cool the ground. In the permafrost cave, a 34,000-year-old wolf (from an extinct breed) was located, as well as a spear and rectangular piece of mammoth skin, indicating the presence of humans. A tusk hunter handed Gill a bird — possibly 40,000 years old — with stomach contents intact. Another directed her to a clump of muddy grass in the tunnel that contained a preserved moth. Birds, moths and plants of the last ice age are key to understanding its food web, says Gill, who examines causes and consequences of extinctions. She says survivors of the Pleistocene —

the epoch from about 2,588,000 to 11,700 years ago — also yield valuable information and lessons. “We want to know what strategies made them successful,” Gill says. “This gives me hope that there’s more resilience built into nature.” Before embarking on the trip, Gill was concerned that what’s going on politically in the world now might infringe on her ability to explore what went on in Siberia in the past. But politics are politics, she says, and people are people. Gill says her experiences with tusk hunters in Siberia and with medical professionals in Russia were collegial and positive. And she looks forward to returning. Gill earned an \$800,000 National Science Foundation CAREER Award to explore “[Environmental Change and Extinction on the Mammoth Steppe.](#)” During the last ice age, grasslands that supported mammoths and bison covered large portions of the Arctic. But by 10,000 years ago, this habitat — the mammoth steppe — had disappeared. So too, had the large mammals who lived there. Gill says it’s not known whether “extinction was a cause or an effect of habitat loss.” To find out, she’ll reconstruct ecological prehistory to establish the timing and nature of extinction, environmental change and habitat loss. “Herbivores remain some of the most threatened animals today, so understanding the ‘Serengeti of the ice age’ can help in the management of Earth’s largest animals today, and may provide insights into the role native grazers play in a warming Arctic,” she wrote. Gill will visit several Arctic locations, including Wrangel Island Reserve (the last known location of woolly mammoths on Earth) and Pleistocene Park in Siberia, where Sergey and Nikita Zimov are working to restore the mammoth steppe ecosystem. They’ve brought in bison, musk ox, moose, horses and reindeer to do that. They’re awaiting woolly mammoths. Contact: Beth Staples, 207.581.3777

#### **Franco American Centre to offer curriculum development workshop April 15**

**12 Apr 2019**

The University of Maine’s Franco American Centre is offering a Curriculum Development Workshop, open to all University of Maine System faculty and graduate students, from 1–4 p.m. April 15. Participants will receive a \$250 stipend and will be reimbursed for travel. Led by Mark Richard, Libra Professor of History and Canadian Studies at the University of Maine at Fort Kent, and Susan Pinette, director of Franco American Programs, the workshop is intended to help participants who would like to integrate Franco content into their teaching and research. Richard will offer an overview of French-Canadian migration to the United States, and sources to help teach Franco American history within the frameworks of 19th-century migrations, industrialization, nativist anti-migration sentiment, and issues of assimilation. Pinette will offer resources to teach Franco American literature within both Francophone/French contexts and American literature. Both presenters are members of the Executive Board of the American Council for Québec Studies. They will share information on obtaining financial resources to support research and teaching in Franco content areas. Registration is [online](#). For more information, contact Pinette at 581.3791; [spinette@maine.edu](mailto:spinette@maine.edu).

#### **Two UMaine researchers awarded fellowships to study in Acadia National Park**

**12 Apr 2019**

Two University of Maine researchers have been awarded fellowships to conduct studies in Acadia National Park as part of Second Century Stewardship, an initiative of the National Park Service and Schoodic Institute at Acadia National Park. The 2019 research fellows from UMaine are Caitlin McDonough MacKenzie, the David H. Smith Conservation Research Fellow at the Climate Change Institute, and Kate Ruskin, lecturer and undergraduate coordinator in ecology and environmental sciences. Stephanie Spera, assistant professor of geography at the University of Richmond, also has been named a fellow. McDonough MacKenzie is building on her current research into the ecological history of subalpine plant communities in Acadia, using paleobiology to examine records of pollen in the sediment of a pond on the western slope of Cadillac Mountain. McDonough MacKenzie hopes to complement these records with insights from discussions with Wabanaki community members to provide a fuller picture of Acadia’s past landscapes, according to the Schoodic Institute. Ruskin plans an evaluation of human values of Acadia’s freshwater resources to help park staff manage diverse uses of lakes and streams. Second Century Stewardship was launched in 2016 upon the centennial of the National Park Service to provide high-quality scientific research for park stewardship, build public appreciation for science, and pursue solutions to critical issues for parks and society. The collaboration is initially focused at Acadia National Park in Maine, with plans to partner with national parks across the country currently underway. The full Schoodic Institute news release is [online](#).

#### **Pulitzer Prize-winning cartoonist Ohman to give free, public talk April 15**

**12 Apr 2019**

Jack Ohman, winner of the [2016 Pulitzer Prize](#) for editorial cartooning, is the 2019 Alan Miller Fund Visiting Journalist at the University of Maine on April 15–16. A free, public reception will be held at 5 p.m. Monday, April 15, at Wells Conference Center. At 5:30 p.m., Ohman will deliver a talk titled “Drawing the Line: Cartooning in a Self-Parodying Era.” The Sacramento Bee [editorial cartoonist](#) and associate editor also will engage with communication and journalism students during his visit. The native of Minnesota earned a bachelor’s degree in history from the University Honors Program at Portland State University. In 2013, Ohman was runner-up for the Herblock Prize for excellence in editorial cartooning, and in 2012, he was a Pulitzer finalist. Ohman won the 2011 Scripps Howard Foundation Journalism Award, the 2009 Robert F. Kennedy Journalism Award, the 2009 Society of Professional Journalists Award, the 2002 National Headliner Award and the 1995 Overseas Press Club Thomas Nast Award. “For more than 35 years, Jack Ohman has delighted and infuriated readers with his funny, stirring and always topical cartoons,” Joyce Terhaar, executive editor of The Sacramento Bee, wrote in her 2016 cover letter to Pulitzer judges. “In 2015, he took his artistry to a new level. He had plenty of material: gun violence; mass shootings and terrorism; Hillary Clinton; Donald Trump; California’s drought; and our endlessly interesting governor, Jerry Brown, and Brown’s Welsh corgi, Sutter.” Ohman’s visit is made possible by the Alan Miller Fund for Excellence in Communication and Journalism that was established by alumna Anne Lucey in memory of her late husband. Miller taught journalism at UMaine from 1967 to 1991. He chaired the journalism department, advised the student newspaper and enthusiastically supported and coordinated the lecture series that enables experienced journalists to engage with and inspire young reporters. To request a reasonable accommodation, contact Kristen Libby, 581.1935, [kristen.libby@maine.edu](mailto:kristen.libby@maine.edu).

#### **Morning Ag Clips announces Cumberland County Extension tractor safety course**

**12 Apr 2019**

[Morning Ag Clips](#) announced University of Maine Cooperative Extension in Cumberland County will offer a tractor safety course 5:30–7:30 p.m. Mondays, April 29–May 20 at Gorham Public Works. The course is designed for adults and youth at least 14 years of age, and required for 14- and 15-year-olds who plan to operate farm equipment for hire on farms other than their own. A written exam and tractor-driving test will be held at 9 a.m. May 25; participants who successfully complete the tests will receive a Federal Certificate of Training. The course fee is \$20 per person. Need-based financial assistance is available for students 18 and under, and registration is online. [Morning Ag Clips](#) also announced five-session tractor safety workshops that will be held in South Paris and Buckfield in May.

#### **Daily Bulldog advances UMaine Extension food safety training**

**12 Apr 2019**

The [Daily Bulldog](#) advanced “Cooking for Crowds — Food Safety Training for Volunteer Cooks,” to be held 9 a.m.–noon April 25 at the University of Maine Cooperative Extension Franklin County office in Farmington. The training will offer up-to-date information on how to handle, transport, store and prepare foods safely for large group functions. Participants will receive a manual, certificate of attendance, posters and an instant-read thermometer, according to the article. The cost is \$15 per person and includes all materials; limited financial assistance is available and registration is online. For more information or to request a reasonable accommodation, contact Tiffany Wing, 778.4650; [tiffany.wing@maine.edu](mailto:tiffany.wing@maine.edu).

#### **BDN includes annual UMaine Drag Show in weekend event roundup**

**12 Apr 2019**

The [Bangor Daily News](#) included the annual University of Maine Pride Week Drag Show in a “Culture Shock” roundup of local events slated for the weekend. The show will be held at 7 p.m. April 13 at the Collins Center for the Arts, and will feature RuPaul’s Drag Race finalist Roxxy Andrews, according to the article.

#### **News Center Maine quotes Richards in report on college admissions in Maine**

**12 Apr 2019**

[News Center Maine](#) quoted Christopher Richards, director of undergraduate enrollment management at the University of Maine, in a report on college admissions in the state. “We want to see students who we feel primarily can handle the academic coursework at the University of Maine. We are also looking for students who are going to be a good fit socially. We want to see students who are involved outside of the classroom,” said Richards. UMaine has a 92 percent acceptance rate, and had 13,231 applicants last year, according to the report. “Our academic parameters are consistent across the board. So, if athletics is recruiting a student and they’re interested in them, they bring the information, they apply like every other student,” Richards said.

#### **Penobscot Times previews April 12 King Chair Lecture**

**12 Apr 2019**

[The Penobscot Times](#) previewed “Hamlet’s Girlfriend Gets a Life,” a discussion by young adult novel author Lisa Klein on her reinterpretation of the classic play “Hamlet” from Ophelia’s point of view. The lecture, part of the Stephen E. King Chair Lecture Series at the University of Maine, will be at 5 p.m. April 12 in Neville Hall, Room 101 and is free and open to the public. Klein will talk about the process of transforming the character from Shakespeare’s stage to the modern page and to the screen, and invite the audience to consider how we retell great stories to make them meaningful for the present day, the article states. More information is [online](#). To request a reasonable accommodation, call 581.1226.

#### **Mainebiz reports UMaine Business Challenge announces pitch contest winners**

**12 Apr 2019**

Mainebiz reported the UMaine Business Challenge at the University of Maine announced the winners of its eighth annual pitch contest presented by Business Lending Solutions, which awarded \$16,000 in cash and prizes to collegiate entrepreneurs. Maxwell Burtis, a UMaine mechanical engineering student, won both the first-place prize of \$5,000 and the \$10,000 Innovations Prize with his company Ferda Farms LLC, an aquaculture company using innovation to farm oysters in Maine, the article states. Sponsored by UMaine alumnus Bruce Fournier and the Fournier Family Foundation, the innovation prize is designed for companies presenting a new innovation or technology as part of their business model. Burtis is working on a patent-pending technology that will reinvent the traditional hopper used during the oyster harvesting process, Mainebiz reported. “These prizes are huge for the expansion of our oyster farm and continued innovation along Maine’s coast,” said Burtis. “The competition is giving Ferda Farms the opportunity we have long dreamed of: to buy more cages, quahog seed and solar panels, allowing us to continue to improve Maine’s waters, and revitalize Maine’s changing fisheries with aquaculture.” Other members of his team include Chris Burtis, Sam Dorval and Max Friedman, as well as advisers from the UMaine Foster Center for Student Innovation, UMaine School of Marine Sciences, Maine Sea Grant and Mere Point Oyster Co. [The Fish Site](#) also reported on Burtis’ winning pitch.

#### **Fried appointed to Maine Permanent Commission on the Status of Women**

**12 Apr 2019**

Amy Fried, a professor and chair of the Political Science Department at the University of Maine, has been appointed to the Maine Permanent Commission on the Status of Women for a two-year term. The commission is a government-appointed group dedicated to improving opportunities for women and girls, and advises the governor and members of the Legislature about policy and social issues affecting women and girls in Maine.

#### **Miner to speak at Geological Society of Washington meeting**

**12 Apr 2019**

Kimberly Miner, a research assistant professor at the University of Maine Climate Change Institute, will speak at the [Geological Society of Washington meeting](#) April 24 in Washington, D.C. Her talk is titled “The secret legacy of glaciers: Assessing the risk of legacy pollution in glacial meltwater.”

#### **Hill, Rose receive top employee awards**

**12 Apr 2019**

Two of the University of Maine’s top employee awards have been awarded to Naval Reserve Officers Training Corps (NROTC) administrative specialist Sheri Hill, and National Poetry Foundation and University of Maine Press publications specialist Betsy Rose.



[caption id="attachment\_66489" align="alignright" width="223"] Sheri Hill[/caption] Hill will receive the 2019 Outstanding Classified Employee Award. Rose will receive the 2019 Outstanding Professional Employee Award. The two awards, sponsored by the Classified Employees Advisory Council and the Professional Employees Advisory Council, respectively, will be presented April 23 at the Employee Recognition and Awards Luncheon. Hill has been a member of the UMaine community for more than three decades. She is a primary point of contact for students, alumni and active duty staff in NROTC. Hill is described as talented, detail-oriented and dedicated, and all count on her extensive knowledge of both UMaine and Department of Defense requirements leading to the successful commissioning of officers. Multiple undergraduates in their nomination letters noted Hill’s compassion, support and tireless advocacy for them, their academic achievements and career aspirations. Alumni traveling home from assignments in Europe, the Middle East, Japan and other locations frequently include stopovers in Orono to touch base with Hill — a role model and mentor. Hill also has been critical in the establishment of the new UMaine and NROTC Pathways to Engineering program beginning this fall. Her community engagement on and off campus ranges from fundraising for student-athlete programs to support for a local food pantry. “Sheri is one of the most enthusiastic, caring and dedicated people I know, and one who is truly passionate about UMaine and its mission to elevate discourse with, and understanding of, others — a mission of empathy and excellence,” noted one nominator. [caption id="attachment\_66490" align="alignright" width="223"]



[caption id="attachment\_66490" align="alignright" width="223"] Betsy Rose[/caption] Rose was hired in 1998 as a publications specialist for the National Poetry Foundation and the University of Maine Press, working with authors, editors, faculty and students. She is known for her work ethic and editorial talents that promote the work of others. In addition to her academic work, Rose’s nominators cited her tireless advocacy for people with mental illness and their families. Her efforts, including training on campus and in the community regarding mental health issues and suicide prevention, help raise awareness and build a culture of acceptance, understanding and inclusivity. That training includes Family-to-Family, a 12-week course designed by the National Alliance on Mental Illness (NAMI) to help family members understand mental illness and cope with the challenges of caring for an affected loved one. In addition, Rose facilitates peer and family support groups. Her community engagement efforts include volunteering on the local and state levels with NAMI. Since 2016, she has served on the NAMI Maine board of directors, and the year before received a NAMI Maine Mal Wilson Award for “significant contributions to their communities by supporting families living with mental illness.” She also is president of the Bangor

affiliate of NAMI Maine, serving Penobscot County, and will receive national training to be the state's lead Family-to-Family trainer. As one of her nominators noted, "Betsy's remarkable commitment to the community is clearly driven by her deep concern for others. She is someone who perpetually translates compassion into meaningful action." Contact: Margaret Nagle, 581.3745

#### **Suzanne Estler passes away**

**12 Apr 2019**

Suzanne Estler, former associate professor of higher education and Equal Opportunity director, passed away April 10. A celebration of Estler's life will be held 2 p.m. May 18, at Wells Conference Center, according to her [obituary](#). In lieu of flowers, gifts in her memory may be made to the Suzanne E. Estler, Ph.D., Student Support Fund online or by sending checks payable to the University of Maine Foundation, Two Alumni Place, Orono, ME 04469-5792.

#### **UMaine to host regional engineering conference, concrete canoe, steel bridge competition**

**12 Apr 2019**

The University of Maine Student Chapter of the American Society of Civil Engineers (ASCE) will participate in and host the New England ASCE Regional Student Conference April 12–14. The event is one of 19 conferences held annually where students come together for a business meeting, professional/technical presentations, competitions, social activities and an awards banquet. The UMaine Steel Bridge Team, which is sponsored by the American Institute and Steel Construction (AISC), also will host the New England AISC Student Steel Bridge Competition. UMaine is hosting the competitions the same weekend to accommodate students who wish to attend, and participate in, both events. More than 350 students and professionals are expected from schools in the Northeastern United States, as well as parts of Eastern Canada. The ASCE conference offers students from around the region the opportunity to network, socialize and participate in engineering-related competition. The contests give team members the opportunity to apply design and construction concepts learned in the classroom through extracurricular, student-led activities during the academic year. Competitions include:

**Concrete Canoe** Each team must design and construct a high-strength and low-density concrete that provides a canoe with structural integrity while it floats. Canoe display and judging will take place 10 a.m.–1 p.m. Saturday, April 13 in the IMRC Center. Canoe races will be held 8 a.m. to 4 p.m. Sunday, April 14 at the Fourth Street Boat Launch in Old Town. Spectators are welcome at the Sunday races. UMaine's team consists of 16 students. The contest is a precursor for teams aiming to compete in the ASCE National Concrete Canoe Competition to be held in June at the Florida Institute of Technology. **Sustainable Solutions Competition — Dog House Challenge** The Sustainable Solutions Competition challenges teams of up to five students to design and construct structures based on real-world issues facing the civil engineering community. The 2019 Sustainable Solutions Competition challenges teams to design and build a temporary shelter which can house a displaced dog during the aftermath of a disaster or emergency. Along with satisfying programmatic and structural design criteria, the building must employ sustainable design and construction practices. Completed shelters will be donated to local animal rescue groups. The dog houses will be on display and judged 8 a.m.–10:30 a.m. April 13 in Alford Arena. UMaine has one team of four students competing. **Student Steel Bridge Competition** The goal of the [AISC Student Steel Bridge Competition](#) is to design, fabricate and erect a 23-foot-long steel bridge with a span of 22 feet. At competition, bridges are judged on construction time, weight, stiffness, load capacity and aesthetics. UMaine's team of six students chose a bar joist system. A full design was performed using methods the team members learned in classes. The team built their bridge with the support of Dewey Clark of Clark's Machine Shop in Clinton and Cives Steel Co. in Augusta. Top finishers at the regional events qualify to compete at the national finals to be held at Southern Illinois University, May 31–June 1. Bridge construction and loading will take place 8 a.m.–6 p.m. April 13 in the New Balance Field House and is open to the public.

For more information or to request a reasonable accommodation, contact Melissa Landon, [melissa.landon@maine.edu](mailto:melissa.landon@maine.edu); 581.2981. More about the New England Regional ASCE Student Conference is on [Facebook](#). Additional details about the national [ASCE](#) conference and [AISC](#) contests also are on the organizations' websites.

#### **McGillicuddy Humanities Center to screen 'They Shall Not Grow Old'**

**15 Apr 2019**

The University of Maine's Clement and Linda McGillicuddy Humanities Center will show "They Shall Not Grow Old," a documentary about British troops in World War I, 6–8 p.m. April 16 in Room 100, Nutting Hall. Director and producer Peter Jackson uses state-of-the-art technology to restore original archival footage of the men who were there. The film explores the reality of war on the front line and the soldiers' day-to-day experiences, including: attitudes toward the conflict; how they ate, slept and formed friendships; and what their lives were like away from the trenches during periods of downtime. Programming will include a talk by Howard Segal, a professor of history at UMaine.

#### **Bayer talks about Andy Mays in Story Collider**

**15 Apr 2019**

Skylar Bayer reminisces about her friendship with scallop diver Andy Mays at a [Story Collider](#) event with the theme "Bonds." Bayer, who earned her Ph.D. at the University of Maine, is a marine biologist, producer for [The Story Collider](#), storyteller and science communicator. She and Mays appeared in The Colbert Report's hysterical 2013 feature titled "[The Enemy Within](#)," about a case of missing scallop guts. Mays, whose humor was showcased in piece, died of cancer in 2017. Bayer shares Mays' reaction when she asked him if he wanted to take part in the show. "'Oh, it's going to be great, Skylar. I think this is a great idea. Like you think it's a good idea, I think it's a great idea. I was class clown in college and in high school. This is it. This is my jam.'"

#### **Wahab quoted by Bangor Daily News about increased enrollment**

**15 Apr 2019**

R. Lizzie Wahab, University of Maine vice president for enrollment management, is quoted in a [Bangor Daily News](#) story about university and community college enrollments in Maine. She cited the Flagship Match scholarship program that has drawn national attention and new students. "And we know that many students who come to Orono for their education will stay in the state to begin their careers," she said. In the Flagship Match program, eligible out-of-state students can attend UMaine for the same price they would pay at their respective home state's flagship universities.

#### **WVII, WABI cover concrete canoe race**

**15 Apr 2019**

[WVII](#) (Channel 7) and [WABI](#) (Channel 5) covered Sunday's concrete canoe race in Old Town, hosted by the University of Maine Student Chapter of the American Society of Civil Engineers. UMaine co-captain Andrew Guimond told WVII that it's important for the concrete mix to be less dense than water. Ten Northeast colleges and universities took part.

#### **Presentations on counterculture phenomenon to be held April 17**

**16 Apr 2019**

The University of Maine Canadian-American Center, along with the Clement and Linda McGillicuddy Humanities Center, will host presentations April 17 about the counterculture phenomenon of the 1960s. "Reconsidering the Counterculture 50 Years On," will be held from noon–1:30 p.m. in the Bangor Room of the Memorial Union. Presentations will be made by Stephen Hornsby, director of UMaine's Canadian-American Center and professor of anthropology and Canadian studies; Richard Judd, professor emeritus of history; and Frédéric Rondeau, assistant director of the Canadian-American Center and assistant professor of French. Hornsby will discuss "Hippie Maps and City Views: California's Counterculture Cartography;" Judd will present "Was Henry a Hippie? Locating Thoreau in a Changing Modern World," and Rondeau will speak about "Where to Land When You are High? Territoriality and Quebec Counterculture." The event is free and open to the public. Lunch and beverages will be provided. For more information or to request a reasonable accommodation, contact Stephanie Crosby, 581.4220; [stephanie.crosby@maine.edu](mailto:stephanie.crosby@maine.edu).

#### **Piscataquis Observer reports UMaine Extension 4-H offering summer community program**

**16 Apr 2019**

[The Piscataquis Observer](#) reported University of Maine Cooperative Extension Piscataquis County 4-H is offering the Piscataquis Passport Project this summer, a program designed to encourage youth ages 5–18 and their families to access healthy food and fun



activities in the Dover-Foxcroft area. Enrollment forms are available 8 a.m.–4:30 p.m. Mondays, Thursdays and Fridays through June 3 at the UMaine Extension Piscataquis County office, according to the article. Enrolled youth receive a passport that can be stamped at the SeDoMoCha School garden, Thompson Free Library, Dover Cove Farmers' Market, and free meal sites at SeDoMoCha and Mayo Regional Hospital. For each farmers' market stamp, participants will receive \$5 in Veggie Vouchers to purchase fresh fruits and vegetables through October. There also will be an Adventures in Nature series in collaboration with the Piscataquis County Soil and Water Conservation District, the article states. For more information or to request a reasonable accommodation, contact Anette Moulton at 564.3301; [anette.moulton@maine.edu](mailto:anette.moulton@maine.edu).

## Winnipeg Sun profiles Outstanding Graduating Student from Canada

16 Apr 2019

[Winnipeg Sun](#) reported Shayla Kleisinger, of Winnipeg, Canada, has been named the Outstanding Graduating International Student in the College of Engineering at the University of Maine. Kleisinger is a biomedical engineering major with a minor in nanotechnology. As a member of the swimming and diving team, she was named to the 2016–17 America East All-Academic Team. Kleisinger is a member of the All Maine Women honor society, vice president of the UMaine chapter of Active Minds, a peer tutor and a teacher in the Black Bear Swim School. She also has been involved in research on campus, working in the Howell Biointerface and Biomimetics Laboratory and participating in an interdisciplinary project through the Senator George J. Mitchell Center for Sustainability Solutions. Kleisinger plans to pursue a job in biomedical technology and attend graduate school.

## Sun Journal quotes Holland in article on gleaning

16 Apr 2019

The [Sun Journal](#) quoted Lynne Holland, a community education assistant with University of Maine Cooperative Extension, in an article about the Androscoggin Gleaners, a network of volunteers working with local farms to collect excess produce and distribute it to regional nonprofits. According to the organization, 15,890 Androscoggin County residents live with food insecurity, and 37 percent of those do not qualify for food assistance programs. The organization's primary goals are to reduce food waste and increase access to nutritious food — last year, the organization delivered 14,000 pounds of fresh produce to local sites, double the number for its first season, the Sun Journal reported. Holland said the concept of gleaning originated from the Extension program Harvest for Hunger, and the Merrymeeting Gleaners group in Sagadahoc County. "A farmer really wants their food to be eaten. They don't want to see it become compost, and they certainly don't want to see it become garbage," said Holland, who noted gleaning is fun in addition to being helpful. "Once people try it, they usually come back. It's just getting them out in the field that first time or getting them to a meeting for the first time." The organization is actively recruiting new volunteers, and even two hours in the field once a month can make a big difference, according to Holland. To volunteer or for more information, call 370.1061 or email [androgleaners@gmail.com](mailto:androgleaners@gmail.com).

## Greenlaw recent guest on 'Maine Calling'

16 Apr 2019

Suzanne Greenlaw, a Maliseet and Ph.D. student in the School of Forest Resources at the University of Maine, was a recent guest on [Maine Public](#)'s "Maine Calling" radio show. The show's topic was Wabanaki philosophies of leadership and obligation relating to humans and nonhumans, as well as reciprocity through self-governance, trading, the environment and resource management, basketmaking, medicine and health.

## WABI, WVII cover Zimmerman Memorial Fitness Challenge

16 Apr 2019

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) covered the annual Zimmerman Memorial Fitness Challenge, held at the University of Maine on April 13. More than 150 people participated in the challenge, which involved a variety of physical activities such as pack runs, pullups and mud crawls, WABI reported. The challenge was created in 2011 to honor 1st Lt. James R. Zimmerman, a UMaine Naval Reserve Officer Training Corps (NROTC) graduate from Houlton, who was killed in action in 2010 in Afghanistan. All proceeds from the event go toward the 1st Lt. James Zimmerman Memorial NROTC Award. This year, the challenge raised about \$4,500, according to WVII. "The event is more important than just the UMaine students and UMaine faculty," said Mark Talvacchia, a UMaine student and president of the Blue and Gold Team. "It is a memorial event for the entire community around here."

## Undergraduate, graduate students receive awards at 2019 Student Symposium

16 Apr 2019

*Editor's note: Story updated April 24* More than 1,200 students showcased nearly 400 research and creative works at the 2019 UMaine Student Symposium held at the Cross Insurance Center in Bangor on April 10. The fourth annual symposium provided an opportunity for the public to interact with student researchers and scholars as they viewed posters and exhibits and listened to oral presentations. The free public event was organized by the Office of the Vice President for Research and Dean of the Graduate School, the Center for Undergraduate Research (CUGR), Student Government, and the Graduate Student Government as part of Maine Impact Week. Almost 220 volunteer judges scored projects in nine categories encompassing all fields of study at UMaine. The top students were awarded at the close of the ceremony. Other special awards sponsored by various research centers also were presented at the event. **Special awards**

- **Dr. Susan J. Hunter Presidential Research Impact Award:** Hannah Lawrence (graduate), "Ruminating on Images Versus Words: The Impact on Negative Affect," clinical psychology, advised by Rebecca Schwartz-Mette; Aly East (undergraduate), "All Things Considered: How Recreational Developments Affect Ecological and Social Ecosystem Services," ecology and environmental sciences, advised by Kate Ruskin
- **Provost Innovative and Creative Teaching Award:** Sherry Brown
- **Dean of Graduate School Undergraduate Mentor Award:** Brieanne Berry, first place; Rose Deng, second place; Sara McBride, third place
- **UMaine Alumni Association Award:** Colleen Mayberry
- **Dan Sandweiss Graduate Student Advocacy Award:** Elisabeth Kilroy

## UMaine research center awards

- **Maine Sea Grant:** Kyle Capistrant-Fossa (graduate), "Unexpected Reproductive Traits of Grateloupia Turuturu Revealed by its Resistance to Bleach Based Biosecurity Protocols," advised by Susan Brawley; and Charles Jones (undergraduate), "Better Understanding Aquaculture: How Economic Information Impacts Citizen Sentiment," advised by Caroline Noblet
- **Senator George J. Mitchell Center for Sustainability Solutions award for innovative sustainability research by a graduate student:** Brieanne Berry, "Reuse & Resilience in Maine's Rural Communities: Policy Impacts of Second-hand Economies," advised by Cynthia Isenhour
- **Margaret Chase Smith Policy Center award for policy-related research by an undergraduate student:** Nolan Altvater, "Covering Traditional and Western Scientific Methods to Highlight Penobscot Sovereignty," advised by Bridie McGreavy
- **Advanced Structures and Composites Center:** Anthony Verzoni (graduate), "Origami-Inspired Design of Rapidly Deployable Structures," advised by Masoud Rais-Rohani
- **IMRC Center:** Rachel Church, Anna Martin and Arturo Camacho (graduate), "#youronlinebaggage — A Socially Engaged, Graduate Art Endeavor," advised by Susan Smith

## Graduate winners

- **Allied health (co-sponsored by Center on Aging):** Kaitlin Robinson, "Effect of Simulation in Nursing Education on Senior BSN Students' Self-Confidence Level and Preparedness for Practice," advised by Patricia Poirier
- **Arts (co-sponsored by Graduate Student Government):** Rachel Church, Anna Martin and Arturo Camacho, "#youronlinebaggage — A Socially Engaged, Graduate Art Endeavor," advised by Susan Smith
- **Biomedical Sciences (co-sponsored by Activas-Diagnostics):** Jeanne DuShane, "JCPyV-induced activation of the MAPK cascade is required for viral transcription," advised by Melissa Maginnis
- **Education and Human Development (co-sponsored by Graduate Student Government):** Naomi Caywood, "The Effects of Diverse Aged Enrollment on Community School Literacy Rates in Rural Zambia: Case Study on Impact Network International Schools, Eastern Province Zambia," advised by Kristin Vekasi
- **Engineering and Information Sciences (co-sponsored by Institute of Electrical and Electronics Engineers):** Thomas Leighton, "Development of an Electrical Interface for Lateral Field Excited Sensor," advised by Nuri Emanetoglu
- **Interdisciplinary Collaboratives (co-sponsored by Climate Change Institute):** Jennifer Smith-Mayo, Rafa Tasnim and Joseph Mohan, "A Framework of Past, Present and Future Cultural Responses to Water Stress in Three Distinct Regions," advised by Jacquelyn Gill
- **Natural Sciences (co-sponsored by Maine Sea Grant/Aquaculture Research Institute):** Kyle Capistrant-Fossa, "Unexpected Reproductive Traits of Grateloupia Turuturu Revealed by its Resistance to Bleach Based Biosecurity Protocols," advised by Susan Brawley

- **Physical Sciences (co-sponsored by Frontier Institute for Research in Sensor Technologies):** Morton Greenslit, “Synthesis and Characterization of Piezoelectric AlN Thin Films Using Plasma-Assisted Electron-Beam Evaporation,” advised by Robert Lad
- **Social Sciences (co-sponsored by Graduate Student Government):** Melissa Jankowski, “Interpersonal and Achievement-Related Stress Moderate the Risk for Suicidality in First-Year College Students,” advised by Cynthia Erdley

#### Undergraduate winners

- **Allied Health (co-sponsored by CUGR):** Tessa Lindsley, Samantha King, Kathleen Thibodeau and Taylor Durepo, “What Strategies can be Implemented to Increase Workplace Satisfaction and Decrease Emotional Exhaustion thus Decrease Nurse Turnover Rates?” advised by Patricia Poirier
- **Arts (co-sponsored by IMRC Center/CUGR):** Sarah Seitz, “Data Queen,” advised by Jon Ippolito
- **Biomedical Sciences (co-sponsored by Activas-Diagnostics):** Anna-Maria Dagher, “Exploring the Dynamic Relationship between Candida Albicans, Pseudomonas Aeruginosa and Fluconazole for Improved Candidiasis Treatment,” advised by Robert Wheeler; and Francesca Armstrong, “Characterizing a Deadly Viral Infection in the Brain by Utilizing an Innovative and Unique Approach,” advised by Melissa Maginnis
- **Education and Human Development (co-sponsored by CUGR):** Hadley White, “Addressing the World Language Teacher Shortage: How Can the Franco-American Centre Support French Programs Under Pressure in Maine?” advised by Susan Pinette
- **Engineering and Information Sciences (co-sponsored by Advanced Structures and Composites Center):** Isabelle Grant, Chloe Lilly and Alex Danner, “Fitness-based Optical Diagnostic Patch for the Observation of Cardiovascular Disease-risk Patients,” advised by Karissa Tilbury
- **Interdisciplinary Collaboratives (co-sponsored by CUGR):** Nicole McGrath and Daniel Woodhouse, “Examining Muscle Contraction and Angular Acceleration to Detect Balance Perturbation,” advised by Vincent Caccese, Babak Hejrati, Marie Hayes and Ali Abedi
- **Natural Sciences (co-sponsored by Center for Research on Sustainable Forests):** Leala Machesney, “Effects of Commercial Nutrient Solutions on Growth of Lemon Basil (*Ocimum basilicum* var. *citridora* ‘Mrs. Burns’),” advised by Bryan Peterson and Stephanie Burnett
- **Physical Sciences (co-sponsored by CUGR):** Gwyneth Roberts, “Quantifying Tidally Driven Transport in the Jordan River Estuary,” advised by Lauren Ross
- **Social Sciences (co-sponsored by CUGR):** Thilee Yost, “Hmong Americans and Mainstream Politics in St. Paul, MN,” advised by Amy Fried

Winners of the [2019 CUGR and Maine Space Grant Consortium summer fellowships](#) also were announced at the symposium, as were the following 2019–2020 Graduate School fellowships. **Chase Distinguished Research Assistantship**

- Catherine Hamley, paleoecology/archaeology, advised by Jacquelyn Gill
- Bouhee Kang, food science and human nutrition, advised by Denise Skonberg
- Alejandro Molina-Moctuzuma, wildlife ecology, advised by Joseph Zydlewski
- Isaac Shepard, ecology and environmental sciences, advised by Hamish Greig
- David Smith, cognitive psychology, advised by Shawn Ell
- Jesse Walters, Earth science, advised by Alicia Cruz-Urbe

#### Janet Waldron Doctoral Research Fellowship

- Laura Andrews, clinical psychology, advised by Cynthia Erdley and Douglas Nagle
- David Kerschner, higher education, advised by Elizabeth Allan

#### Susan J. Hunter Teaching Fellowship

- Colin Bosma, clinical psychology, advised by Emily Haigh
- Sara Lowden, anthropology and environmental policy, advised by Lisa Newman and Darren Ranco
- An Nguyen, American history, advised by Elizabeth McKillen
- Michael Wilczek, microbiology, advised by Melissa Maginnis

More about the Graduate School fellowships is [online](#). Attendees of the symposium, including students, faculty, staff, judges, sponsors and the general public are invited to take a short survey about the event. Feedback is important to symposium organizers and will be used to improve future events. Enter your email address at the end of the survey for a chance to win a prize. Your email will not be associated with your responses. The survey is [online](#).

#### Study finds changing dissolved organic carbon in Maine lakes key to maintaining drinking water quality

16 Apr 2019

Monitoring concentrations of dissolved organic carbon in Maine lakes before and after severe rainstorms could inform management strategies to help ensure consistent, high-quality drinking water, according to University of Maine researchers. In their study, working with local drinking water districts, Kate Warner and Jasmine Saros, researchers in UMaine’s Climate Change Institute and the School of Biology and Ecology, found that increasingly frequent and extreme rain events can contribute to short-term abrupt changes in the quantity and quality of lakes’ dissolved organic carbon, which is derived from leaves, pine needles and other terrestrial debris in watershed runoff. The goal was to better understand the effect of severe rainstorms on freshwater ecosystems and, in particular, how dissolved organic carbon is changing in Maine drinking water lakes. By sampling dissolved organic carbon in six Maine lakes before and after five severe rainstorms, the researchers found three response patterns. Some lakes had an initial spike in dissolved organic carbon that returned to prestorm levels within days. The largest lakes sustained no changes in the concentrations of dissolved organic carbon. <https://youtu.be/XKHWHSrr9Bk> [Read transcript](#) In other lakes, dissolved organic carbon levels increased and remained high. Such a sustained response is particularly important for water districts, which might have to modify treatment strategies following extreme storms. “Dissolved organic carbon is one of the most important substances in lake ecosystems — particularly drinking water lakes — and yet it’s not talked about that often,” says Saros, professor of paleoecology and associate director of the Climate Change Institute. “It can interact with some of the drinking water treatment processes and form some harmful byproducts. That’s why it’s important that we monitor what’s happening with this material to adapt treatment strategies as needed after storms.” Maine has 6,000 lakes, 45 of which are sources of drinking water, according to the researchers, who published their findings in the journal *Water Research*. Other studies have confirmed that the northeastern U.S. has experienced a 70 percent increase in extreme precipitation events since 1950 — the highest percent increase in the nation. Concentrations of dissolved organic carbon from forest and soil sources that enter aquatic ecosystems in runoff ultimately affect the chemical and biological quality of lake ecosystems, including those that are sources of drinking water. Concentrations of dissolved organic carbon have been increasing during the last two decades in Maine, Saros says. Effects of dissolved organic carbon in lakes include changes in water transparency, oxygen availability, and processing of nutrients and toxic compounds. In lakes used as water supplies, increased dissolved organic carbon can contribute to harmful byproducts, such as trihalomethanes, and higher levels of heavy metals and pollutants. The six Maine lakes in the study were Chases Pond in York County; Sebago Lake in Cumberland County; Nokomis Pond in Penobscot County; Jordan Pond and Floods Pond in Hancock County; and Young Lake in Aroostook County. Funding for the research included support from the National Science Foundation Adaptation to Abrupt Climate Change IGERT program, and the university’s Maine Water Resources Research Institute, Senator George J. Mitchell Center for Sustainability Solutions. Contact: Margaret Nagle, 581.3745

## Transcript

**Jasmine Saros:** We looked at six lakes in the state. We partnered with different drinking water districts. All six of these lakes are drinking water sources. We were interested in trying to understand how storms affect these lake ecosystems. In particular, we’re trying to understand how something called dissolved organic carbon is changing in Maine’s lakes. It’s one of the most important substances in lake ecosystems, but it’s not talked about that often. Dissolved organic carbon is a natural material. It comes from the forest, essentially, and from soils. It comes as leaves and needles degrade, for example. The concentration of that material has been increasing in lakes of Maine over the last two decades or so. We think that’s a good sign. We think it’s recovery from acid deposition, but there may be another driver involved here as well. We know that the frequency and severity of storms has been increasing over the last 60 years in Maine. We’re trying to understand to what extent do those storms play a role in these increases in dissolved organic carbon. Dissolved organic carbon is important in drinking water lakes because it can interact with some of the treatment processes that drinking water districts use. It can then form some harmful by-products, so it’s important that we monitor what’s happening with this material, so that we can adapt our treatment strategies, if needed, with storms. There were three different patterns of response. We found that some lakes showed no response to storms. They’re pretty large lakes, they hold a lot of water, and storms don’t have a big impact on them. Then there were two other categories of response. We saw a flashier response where, right after a storm, there was a big spike in dissolved organic carbon. After a few days, it declined back to the same value as before the storm. Then we also saw what we called a sustained response where we didn’t see as big of a spike in those systems, but we saw that the concentration of DOC increased, and it stayed higher after the storm. That type of information can be useful for the water district because they can understand whether they’ll need to modify their treatment strategies with storms. [Back to post](#)

#### Harold Daniel passes away

16 Apr 2019

Harold Daniel, an associate professor of marketing in the Maine Business School, passed away April 11. More information is [online](#). Memorial events are being planned on campus and in North Carolina.

#### Alumna Curran to discuss 'Lawyers' Roles in Social Change' April 17

16 Apr 2019

Sally Curran '02 will discuss "Advocating for Justice: Lawyers' Roles in Social Change," at 4 p.m. April 17 in Room 100 of the Donald P. Corbett Business Building. A 3:30 p.m. reception will precede the talk by the 2019 John M. Rezendes Visiting Scholar In Ethics. Curran, an attorney, is executive director of the Volunteer Lawyers Project of Onondaga County, Inc. (OnVLP), a pro bono legal services organization serving low-income people throughout central New York. Its programming also addresses immigration, family matters, LGBT rights, needs of the homeless and community economic development. Curran graduated summa cum laude from the University of Maine, with degrees in Spanish and women's studies. She earned her Juris Doctorate at the City University of New York School of Law. Prior to joining OnVLP, Curran had a family law practice in Portland, Maine; she annually provided more than 200 hours of pro bono service. The John M. Rezendes Visiting Scholar in Ethics Lecture was established by the UMaine Honors College in 1999 to critically engage students, faculty and the community in ethical issues of national importance. The lecture is part of the John M. Rezendes Ethics Initiative, a program established through a gift from Dennis and Beau Rezendes, which also includes the John M. Rezendes Ethics Essay Contest open to undergraduate students at UMaine. The lecture is sponsored by the Honors College, Clement and Linda McGillicuddy Humanities Center, Department of Modern Languages and Classics, Department of Philosophy, Political Science Department, Department of Sociology, Peace and Reconciliation Studies, School of Social Work, Margaret Chase Smith Policy Center, and Women's, Gender, and Sexuality Studies.

#### 2019 Presidential Awardees named

17 Apr 2019

The founding director of the Maine Center for Research in STEM Education (RiSE Center), an innovative lecturer who teaches undergraduate mathematics courses, and a researcher in paleolimnology and lake ecology are the recipients of the University of Maine's top faculty honors this year. Susan McKay, RiSE Center director and professor of physics, will receive the 2019 Presidential Public Service Achievement Award. Jennifer Tyne, a lecturer in mathematics, will receive the 2019 Presidential Outstanding Teaching Award. Jasmine Saros, professor of paleoecology in the School of Biology & Ecology and associate director of the Climate Change Institute, will receive the 2019 Presidential Research and Creative Achievement Award. The awards will be presented at the annual Faculty Recognition Luncheon May 11 beginning at noon in Wells Conference Center. "The exceptional leadership these three Presidential Award recipients demonstrate in their teaching, research and community engagement advance two critical areas — STEM education and climate change," says UMaine President Joan Ferrini-Mundy. "They epitomize the world-class faculty we have at the state's public research university and the difference it makes in Maine and beyond." [caption id="attachment\_66857"



align="alignright" width="223"] Susan McKay[/caption] McKay has fundamentally transformed STEM education research at UMaine and, as a result, advanced teaching and learning in schools statewide. In 2001, the professor of physics founded the Maine Center for Research in STEM Education to advance the research and practice of teaching and learning in science, technology, engineering and mathematics — the STEM disciplines. Over the years, more than \$20 million in federal and state funding has supported McKay's vision and passion for STEM education research to strengthen learning for K–12 students, and to provide professional learning experiences for current and future teachers. RiSE Center initiatives have focused on the recruitment, preparation, ongoing professional learning, and retention of more than 1,000 Maine teachers, and innovated the classrooms of tens of thousands of Maine students. McKay is committed to building UMaine's capacity for education research to improve teaching and learning STEM disciplines at the university and in Maine public schools. The RiSE Center has grown to include 20 UMaine faculty across multiple disciplines. McKay created and coordinated a research-based Master of Science in Teaching program focused on education research to improve preparation of preservice STEM teachers. In addition, a National Science Foundation Teaching Fellowship program through the RiSE Center supports induction and retention of highly qualified STEM teachers in underserved rural Maine schools. The center also has established innovative partnerships with more than 50 Maine school districts and the state Department of Education, bringing research-based instructional practices to students, teachers and schools. McKay has served on the Governor's Maine STEM Council since 2011, and has been a member of the UMaine community since 1986. She holds a bachelor's degree in physics from Princeton University, where she also completed a program in teacher preparation. She holds an M.S. in



physics from the University of Maine and a Ph.D. in physics from the Massachusetts Institute of Technology. [caption id="attachment\_66551" align="alignright" width="223"] Jennifer Tyne[/caption] Tyne is known by her students and colleagues as a dedicated teacher who has developed new courses, and innovated classes in algebra, precalculus and calculus to benefit both majors and nonmajors. She was instrumental in creating quantitative literacy general education course options in the department, including co-authoring a textbook for one of the courses. She also led the development of the Department of Mathematics and Statistics' Math Den classes starting in 2005, featuring online and classroom learning. In an online Calculus I course, Tyne created instructional videos to enhance instruction, and incorporated a group component to help build a community of learners. She also innovated a live Calculus I class from the traditional lecture/recitation model to active learning in a "flipped classroom" — an interactive format a majority of the students said they preferred. An Introduction to Calculus course developed by Tyne to meet the needs of non-STEM majors in business, life and social sciences is now a successful model in the department. Recently, in conjunction with the Provost's Digital Fellows project, she took the lead in the restructuring and aligning all Calculus I classes in the department. Student evaluations reflect appreciation for Tyne's enthusiasm, preparation and commitment to fostering academic success in challenging coursework. Undergraduates, including many first-year students, describe her as an excellent teacher who cares about students' progress. They also note their engagement in the learning environment Tyne creates in her classrooms. In the department, Tyne spent the past five years as the service course coordinator, helping coordinate the many introductory courses to improve overall performance and student satisfaction, as well as providing teaching support and mentorship to new faculty. Her efforts to bring innovation into the classroom have included support through Faculty Incentive Grants from the Maine Center for Research in STEM Education and a stipend from the Faculty Development Center, both at UMaine. Tyne has been a member of the UMaine community since 2001. She holds a Master of Science in teaching from UMaine and a Master of Science in operations research from the University of North Carolina at Chapel Hill. [caption id="attachment\_66552" align="alignright" width="223"]





Jasmine Saros/caption] Saros is an internationally recognized researcher in paleoecology and limnology. The associate director of UMaine's Climate Change Institute has led more than 40 research expeditions to remote areas in the Arctic and in high-alpine ecosystems around the world, all involving student researchers. Her work from Greenland, New Zealand and Argentina to the western United States and Maine has provided a more comprehensive understanding of the biology and chemistry of lakes, past and present. Using diatom fossil records in lake sediments, Saros reconstructs environmental change over time. Her research, which has received more than \$5 million in external funding in the past 12 years and been the focus of nearly 80 publications, informs investigations into the links between lake ecosystems and climate. Saros has co-led the Kangerlussuaq International Research Network, a 19-member international working group on rapid ecosystem responses to Arctic climate shifts, and serves on the National Science Foundation (NSF) Arctic Portfolio Review Panel. At UMaine, she directed the first of its kind NSF Integrative Graduate Education and Research Traineeship (IGERT) focused explicitly on adaptation to abrupt climate change. The Adaptation to Abrupt Climate Change (A2C2) doctoral training program involved students in Earth sciences, ecology, anthropology, archaeology, international affairs and economics. In addition, since 2014, Saros has overseen the Sawyer Water Research Laboratory on campus, which provides sample analyses for UMaine faculty and student researchers, and municipal, state and federal agencies. Last year, Saros was awarded the Outstanding Research Faculty Award in UMaine's College of Natural Sciences, Forestry, and Agriculture. This year, she also is the recipient of the 2019 Rising Tide Excellence in Faculty Mentoring Award. Saros joined the UMaine community in 2007. She holds a Ph.D. in Earth and environmental sciences from Lehigh University. Contact: Margaret Nagle, 207.581.3745

#### **School of Social Work to host Field Instructor Appreciation Day symposium event May 1**

**17 Apr 2019**

The University of Maine School of Social Work will host a Field Instructor Appreciation Day symposium and awards event 9 a.m.–3:45 p.m. May 1 at Wells Conference Center. Carey Nason, director of CourageLIVES, Maine's first residential treatment home for victims of human trafficking, will give the 9 a.m. keynote address, "Serving Survivors of Human Trafficking and Exploitation: Identification, Response, Assessment and Recovery." The morning session will be followed by an awards luncheon noon–1 p.m. to honor the recipients of the Field Instructor of the Year, Outstanding Agency of the Year, and Outstanding Alumni of the Year awards. The afternoon session, Community Partner Agency and Student Research Symposium, will feature community partner participatory research projects 1:15–3:45 p.m. Contact hours will be awarded for attendance, 2.5 for a half day and 5 for the full day. Registration opens at 8:30 a.m. on the day of the event, and attendees are asked to RSVP to Elaine O'Leary, 581.2399, [elaine.oleary@maine.edu](mailto:elaine.oleary@maine.edu) by April 20.

#### **SPA, Maine Masque to present 'I'm Still Alive' April 18–20 in Hauck**

**17 Apr 2019**

The University of Maine School of Performing Arts and Maine Masque will present the premiere production of "I'm Still Alive" April 18–20. The original play by Mackenzie Peacock, a senior theatre and communications double major, will be performed at 7:30 p.m. April 18–20 and 2 p.m. April 20. Tickets, which are available [online](#), are \$10 or free with a student MaineCard. The play tells the story of Will, a boy dealing with school bully Cam, and the death of his friend Johnny. When Johnny comes back into Will's life as a ghost, they hatch a plan to get even with Cam. Senior theatre major Noah Lovejoy directs the play. "It has been an exciting challenge learning how to, as the director, take part in creating this world and providing each member of the cast with the tools to do so," Lovejoy says. "I can't wait to share this story, this world and these characters we've put so much heart into with the UMaine community that, over the past four years, has become nothing short of home." The cast includes Reed Davis, Peter Natali, Ethan Rhoad, Vanessa Graham, Katie Dupuis, Curran Grant, Ali Eaton, Jacob Siegel, William Bickford, Pooja Rawat, Natalie Lisnet, Connor Bolduc, Rose Michelson and Brennan Gunster. Maine Masque is an independent group under the jurisdiction of University of Maine Student Government. It supports theatre activities with the School of Performing Arts. Maine Masque productions are produced and performed by UMaine students. For more information, email Alan Berry, [richard.berry@maine.edu](mailto:richard.berry@maine.edu). To request a reasonable accommodation, call Birdie Sawyer, 207.581.2584.

#### **Astrophysicist Grant Tremblay to speak about NASA's Great Observatories, black holes April 18–19**

**17 Apr 2019**

The University of Maine will host two presentations by astrophysicist Grant Tremblay April 18 and 19. Tremblay, an astrophysicist at the Harvard-Smithsonian Center for Astrophysics and native Maine resident, will present "Light from the Void: NASA's Once and Future Great Observatories" April 18 as part of the Emera Astronomy Center's [Science Lecture Series](#). The 7 p.m. talk will explore three decades of discovery by the Hubble Space Telescope and Chandra X-ray Observatory — two of NASA's Great Observatories. It also will offer a glimpse into plans for the future of space telescopes, including the proposed Lynx X-ray Observatory. The Science Lecture Series takes place on the third Thursday of each month and is a partnership project with the Maine Science Festival. It features research from a variety of science disciplines from around the state and uses the digital planetarium to visualize discoveries in a new dramatic and immersive way. Tickets, which are \$6 for adults, \$5 for UMaine students/veterans/senior citizens, and \$4 for children under 12, are available [online](#), by calling 581.1341, or at the Emera Astronomy Center box office. On April 19, Tremblay will present "Galaxy-scale Fountains with Black Hole Pumps," at 3:15 p.m. in Bennett Hall, Room 140. The Department of Physics and Astronomy colloquium is free and open to the public. Refreshments will be available starting at 3 p.m. New microwave and optical spectroscopy observations of the brightest members of galaxy clusters reveal that a supermassive black hole can act much like a mechanical pump in a water fountain, according to Tremblay, who will discuss this in the larger context of galaxies as a whole. Tremblay was previously a NASA Einstein Fellow at Yale University, a fellow at the European Southern Observatory (ESO), and an astronomer at ESO's Very Large Telescope in Chile. His doctoral thesis work was conducted at the Space Telescope Science Institute, Johns Hopkins University and Rochester Institute of Technology. He is involved in the development of future NASA space missions and is a regular cast member on the Discovery and Science Channel's award-winning documentary series "How the Universe Works" and "Space's Deepest Secrets," as well as the host of a forthcoming Science Channel miniseries on black holes.

#### **Message about passing of UMaine community members**

**17 Apr 2019**

The University of Maine is mourning the loss of four longtime community members. Judy Hanscom served as an instructor and lecturer in the College of Education and Human Development from 2003–17. She earned three degrees from UMaine. Hanscom passed away April 6 at the age of 71. Suzanne Estler joined the UMaine community in 1984. The former associate professor of education also served for 11 years as UMaine's director of Equal Opportunity. Estler passed away April 10 at the age of 74. Harold Daniel, an associate professor of marketing in the Maine Business School, passed away April 11 at the age of 65. Daniel had been a member of the UMaine community since 1997. Raphael Diluzio joined the UMaine community in 2001 as an assistant professor in new media. He transferred to the University of Southern Maine in 2012, where he was an associate professor of art. Diluzio passed away this past weekend. Details about remembrances for [Hanscom](#), [Estler](#) and [Daniel](#) are online. Students, faculty or staff in need of support can contact the Counseling Center, 207.581.1392, the university's Employee Assistance Program, 877.622.4327, or the Dean of Students Office, 207.581.1406.

#### **Kennebec Journal, Morning Sentinel profile Outstanding Graduating Student**

**17 Apr 2019**

The [Kennebec Journal and Morning Sentinel](#) reported Eben Lenfest, of Smithfield, has been named the Outstanding Graduating Student in the College of Engineering at the University of Maine. Lenfest is a mechanical engineering major with minors in robotics and ocean and marine engineering. He is an Eagle Scout and a recipient of the E. James and Eileen Ferland Engineering Excellence Scholarship. As a student research assistant at UMaine's Advanced Structures and Composites Center, Lenfest worked on a project to test

the feasibility and effectiveness of applying a new NASA-developed structural damping technology to the university's VoltturnUS floating offshore wind turbine platform. He also interned at NASA's Marshall Space Flight Center. Lenfest plays French horn in the UMaine Symphonic Band and University Orchestra, and has been involved in Black Bear Robotics, and the SCUBA and Maine Outing clubs. As a UMaine graduate student in mechanical engineering, he will continue his work in developing active pitch controls and will spend his summers at the U.S. Department of Energy National Wind Technology Center in Colorado.

## Wallhead explains how to grow moss garden for BDN article

17 Apr 2019

Matthew Wallhead, an ornamental horticulture specialist with the University of Maine Cooperative Extension and environmental horticulture professor in the School of Food and Agriculture, spoke with the [Bangor Daily News](#) about how to grow a moss garden. "Nurseries and garden centers and lawn care professionals were once focused on eliminating moss," Wallhead said. "Now, there's more interest in native plants and eco-friendly landscapes." Moss also helps sequester carbon, filter water and prevent erosion or damage from flooding, the article states. "Moss may tend to perform better in certain situations where other plants such as turf might not do as well," Wallhead said. "It looks nice and it can add an interesting aspect to landscapes." Wallhead's tips for growing a moss garden include looking for shadier locations with more acidic soil. He also offered advice on how to collect, propagate and start growing moss. In general, a moss garden is a low-maintenance and beneficial addition to a yard, according to the BDN. "They tend to be very low maintenance and quite forgiving," Wallhead said.

## Grillo speaks with KJ after Notre Dame Cathedral fire

17 Apr 2019

Michael Grillo, an associate professor of art at the University of Maine, was interviewed by the [Kennebec Journal](#) for the article, "Effect of Notre Dame Cathedral fire felt in central Maine." Grillo said the cathedral often is discussed among art historians. "Then something like this happens and you realize that everyone is affected," he said, referring to the April 15 fire. "You realize that even though it's not everybody's focus, everyone feels this loss. Christian, non-Christian, secular, whatever, this was a cultural marker and it meant so much to so many." Grillo, who has been to Notre Dame several times, said that though the roof burned and the spire fell, the structure is "incredibly well engineered." "I really do think this building is going to survive relatively well," he said. "Any loss is a horrendous loss; there's no question. The outpouring that's happening now (with more than \$700 million pledged for the restoration effort by press time), I'm hoping it sustains the restoration, which will take a decade."

## Former new media professor passes away, BDN reports

17 Apr 2019

The [Bangor Daily News](#) reported on the recent passing of Raphael Diluzio, an art professor who worked for years at the University of Southern Maine and University of Maine. Diluzio joined the UMaine community in 2001 as an assistant professor in new media. He transferred to the University of Southern Maine in 2012, where he was an associate professor of art. Owen Smith, director of the Intermedia Master of Fine Arts program at UMaine, told the BDN that Diluzio was a "magnetic teacher" who inspired many students to pursue careers in media production and new media. "Raphael Diluzio was a remarkable artist, designer and teacher who brought an unbelievable amount of energy, creativity and engagement to his work," Smith said. "A mark of excellence for any teacher is their impact on students, and the high quality of work that was produced by Raphael's students speaks volumes of who he was and his importance to many who knew or worked with him." [Maine Public](#) carried the BDN report.

## Sociology majors to present at ASA conference

18 Apr 2019

Sociology majors Jonah Paris and Jessica Sweeney have been accepted in national competition to the Honors Program of the American Sociological Association, which takes place at the ASA annual conference, held this year in New York City in August. Honors Program students present their work to their peers, attend several sessions, and hear from graduate program directors and well-known sociologists.

## UMaine student, faculty researchers present at Society for American Archaeology annual meeting

18 Apr 2019

The University of Maine was well represented at the annual meeting of the Society for American Archaeology, April 11–14, in Albuquerque, New Mexico. Emily Blackwood (M.S. student in the Climate Change Institute and IPh.D. student) chaired a session, "Advances in Heritage Preservation," and presented a paper, "Reconstructing the Ostra Collecting Site Using Virtual Reality." Kit Hamley (Ph.D. student in biology and ecology), Jacquelyn Gill (assistant professor of terrestrial paleoecology), Kathryn Krasinski and Daniel Sandweiss had a poster, "Fire and Foxes: Investigations into a Prehistoric Human Presence in the Falkland Islands." Alice Kelley (associate research professor, Climate Change Institute and Golden Undergraduate Coordinator in SECS), Bonnie Newsom (assistant professor of anthropology), Arthur Spiess, Anne Spezia and Kate Pontbriand (M.S. in Quaternary and climate studies 2018) spoke on "Maine Midden Minder Network: Collaborating to Save a Cultural Resource." Ryan Wheeler, Bonnie Newsom and Chris Sockalexis (M.S. student in the Climate Change Institute) gave a talk, "Sacred Places and Contested Spaces in Maine: The Long Shadow of Colonialist Science in the Light of Repatriation." Sandweiss (professor of anthropology and climate studies) was the discussant for two sessions: "From the Paracas Culture to the Inca Empire: Recent Archaeological Research in the Chincha Valley, Peru" and "Human Behavioral Ecology at the Coastal Margins: Global Perspectives on Coastal and Maritime Adaptations." He also chaired the Committee on the Americas annual meeting and received a Presidential Recognition award for his role in founding the Society's Climate Change Strategies and Archaeological Resources Committee. Ani St. Amand (M.S. student in the Climate Change Institute and IPh.D. student) presented a poster, "Contributions from the Archaeological Record: Climate Proxies and El Niño-Southern Oscillation." Gregory Zaro (associate professor of anthropology and climate studies) was a discussant in the forum, "The Undiscussed Paperwork of Archaeology: Applications, Waivers, and Contracts," and gave a paper with co-authors Martina Celhar and Igor Borzic on "Late Antiquity Revealed: Assessing Urban Change at Roman Nedinum in Northern Dalmatia, Croatia." A number of UMaine graduates also presented at the meeting, including Peter Leach, David Reid and Kurt Rademaker.

## Courtney Hatton overcomes obstacles, writes her own success story

18 Apr 2019

Courtney Hatton will earn her undergraduate degree in biology May 11 at the University of Maine. She started college 11 years ago. Along the way, she's encountered obstacles. The last two years at UMaine, the native of Molunkus, Maine has simultaneously worked as many as eight part-time jobs while carrying a full course load. And she's written her own success story. "You can turn things around, even if awful things happen along the way," Hatton says. "You can get over those speed bumps." She recently bought her cap and gown. "I can't believe that (Commencement) is finally coming," she says. "It also makes me nervous, because struggling for this degree has been a huge part of my life for the past 11 years and now I've finally tackled the beast. Now I have to shift my focus to a bigger beast — medical school." For overcoming adversity to achieve personal growth and academic success, having a positive outlook on life, and showing potential for further accomplishment, Hatton is the recipient of the Wallace C. and Janet S. Dunham Prize presented annually by the College of Natural Sciences, Forestry, and Agriculture. In 2008, after graduating from Mattanawcook Academy in Lincoln, Maine — with a 99.1 grade-point average — Hatton enrolled at the University of Southern Maine. Growing up in Molunkus, she enjoyed being her family's caregiver. And when Hatton — who was inspired by Doctors Without Borders — entered USM, the first-generation college student was eager to start on the academic path to becoming a doctor. In addition to attending classes full time at USM, the Mitchell Scholar and Stephen Phillips Memorial Scholar worked full time at Maine Biotechnology Services. But after a personal tragedy, Hatton left school, and her job, to recover. Before returning to college in 2017 — this time at UMaine — Hatton cared for children with special needs at an orphanage in Mexico. "That was life-changing," she says. "It healed my heart." Hatton was already familiar with UMaine. During two summers in high school, she took part in Upward Bound on campus. She credits the program — which seeks to foster skills to succeed in education among low-income and potential first-generation college students — with providing her with tools and direction about applying to and navigating higher education. As part of Upward Bound, Hatton worked with researchers in the College of Education and Human Development and the Psychology Department, and participated in group sustainability projects. So when she was ready to return to college in 2017, Hatton's first call was to the Upward Bound office. She's now a tutoring coordinator for Upward Bound and tutors students in chemistry and biology for TRIO Student Support Services, an outreach program for scholars from disadvantaged backgrounds. Hatton, who enjoys laughing and finds humor in simple things, also is a Maine Learning Assistant with the Maine Center for Research in STEM Education (RiSE Center), is a certified nursing assistant at St. Joseph Healthcare, provides in-home care in rural Maine, is a campus ambassador for the Gift of Life Marrow Registry, is a member of the University Volunteer Ambulance Corps, and is a Student Government senator. Her stepdad, she says, role models determination and work ethic. "He still works everyday from sunup to sundown," she says. "He has always demonstrated the value of working hard even when you don't want to." Hatton finds it beneficial to step outside her academic comfort zones, and has enjoyed gaining experience with plant genetics research in assistant professor of plant genetics Ek Han Tan's Genome Elimination Lab. After Commencement, she'll prepare for the Medical College Admission Test. And she'll work. She's applied to the PostBaccalaureate scientific training program at The Jackson Laboratory and the University of New England's online master's of public health degree. Upon completion of one or both, she plans to attend a medical school with a combined M.D./Ph.D. program. "I want to serve the community that raised me in the Medway/Lincoln area," Hatton says. "The number of physicians retiring and leaving that area are increasing every year. There is a need, and I hope to fill that need after I get my degree." She encourages others "to never give up hope on that dream in the bottom of your heart, the one that keeps coming back and reminding you it's there." The dream, she says, is there for a reason. "No matter what path life has taken you down, you can make that dream a reality. If your dream is super big and seems impossible, that's even more reason to pursue it. You were created for that purpose and don't let anyone tell you that you can't do it." Contact: Beth Staples, 207.581.3777

## UMaine Extension workshop to focus on extending growing season with greenhouses

**18 Apr 2019**

University of Maine Cooperative Extension is offering a program on home and small-scale greenhouses 9:30 a.m.–noon April 22 at the UMaine Extension Penobscot County office in Bangor. Greenhouses extend Maine’s growing season. The workshop includes technical specifications of a greenhouse and key control factors, including temperature, levels of light and shade, irrigation, fertilizer application, and atmospheric humidity, as well as planting schedules and crop selection. Matthew Wallhead, UMaine Extension ornamental horticulture specialist and UMaine School of Food and Agriculture assistant professor of horticulture, will lead the workshop. The \$10 per person fee includes materials. Register online. For more information or to request a reasonable accommodation, contact Wendy Robertson, 942.7396, 800.287.1485 (in Maine). More information also is online.

#### **UMaine Athletics announces new ticket pricing for men’s ice hockey games**

**18 Apr 2019**

In response to fan feedback and as part of ongoing efforts to improve the overall experience for those attending men’s ice hockey games, University of Maine Athletics has announced a price reduction for single-game tickets and season memberships for the 2019–20 season. Season memberships will start at \$215 — decreasing an average of \$75; single-game tickets will start at \$16 — an average savings of \$8. “This is an effort to provide greater access to Black Bear hockey for all fans,” says Ken Ralph, UMaine director of athletics. “We hope this will allow current fans to upgrade their seats and will help new fans find a price point that fits their budget.” Season memberships for the 2019–20 season are on sale now. “We all want to get back to filling the Alfond with passionate, knowledgeable and enthusiastic Black Bear fans,” Ralph says. For questions and more information on the 2019–20 ticket price structure, contact the UMaine Athletics box office, 207.581.BEAR; [UM.Tickets@maine.edu](mailto:UM.Tickets@maine.edu). The full news release is [online](#).

#### **College of Education and Human Development to honor students, faculty, staff at recognition ceremony**

**18 Apr 2019**

The College of Education and Human Development will hold its annual recognition ceremony April 22 at Wells Conference Center. Those being recognized include more than 80 undergraduate and graduate students, as well as faculty and staff. Individual undergraduate student award winners:

- Vincent Eze, Outstanding International Student in the College of Education and Human Development
- Grace Pouliot, Outstanding Student in the College of Education and Human Development
- Sarah Vaillancourt, Dean’s Award
- Madison Leach, Outstanding Performance in Early Childhood Education
- Phoebe Welcome, Outstanding Rising Senior in CHF — Individual and Family Studies
- Oscar Degnan, Outstanding Performance in KPE — Teaching and Coaching
- Sarah Baker and Jenna Paul, Outstanding Performance in KPE — Exercise Science
- Faith Gardner, Outstanding Performance in Athletic Training
- Kendra Raymond, Outstanding Performance in Secondary Education
- Jordan Houdeshell, Outstanding Performance in Elementary Education

Individual graduate student award winners:

- Jean Point Du Jour, Outstanding Human Development Award
- Justin Hagedorn, Student Development in Higher Education Excellence Award
- Caroline Fannoush Dababneh, Social Justice in Higher Education Award
- Cooper Power, Outstanding Graduate Assistant for the School of KPEAT Award

Faculty and staff award winners:

- Renate Klein, Part-time Faculty Excellence in Teaching Award
- Richard Ackerman, Full-time Faculty Excellence in Teaching Award
- Deborah Rooks-Ellis, Dean’s Service and Engagement Award (Faculty)
- Janice Bacon, Dean’s Service and Engagement Award (Staff)
- Shihfen Tu, Dean’s Research and Creative Achievement Award

#### **Donations, volunteers sought for Maine Day Meal Packout, Sun Journal reports**

**18 Apr 2019**

The [Sun Journal](#) published a University of Maine news release calling for donations and volunteers for the Maine Day Meal Packout on May 1. In food-packing events, campus and community volunteers box meals that are donated to food banks and community organizations that feed the hungry. The event will be held 8 a.m.–1 p.m. in the Memorial Gym. It is organized by UMaine students, primarily those from the Honors College. The students hope to pack at least 65,000 meals. Donations are being accepted [online](#). Volunteers also are needed to pack meals during the event. Registration is available [online](#) through the Bodwell Center for Service and Volunteerism.

#### **Machias Valley News Observer interviews UMM students ahead of film premiere**

**18 Apr 2019**

[Machias Valley News Observer](#) spoke with University of Maine at Machias students Christopher Palmiotto and Alexis Morrill about the upcoming premiere of “When the Chevy Breaks (How Small Towns Fix Big Problems).” The documentary, filmed last year in Washington County, is the third feature-length production to come out of the Down East documentary filmmaking course at UMM, taught by interdisciplinary fine arts faculty member Alan Kryszak. The free premiere will be held 6:30 p.m. April 24 at the UMM Performing Arts Center.

#### **Media report on earthquake study by team including Gallant**

**18 Apr 2019**

Oregon news outlets including The World, [The Tillamook Headlight Herald](#) and [KTVZ NewsChannel 21](#) carried an Oregon State University report about an Indonesia earthquake study. Findings by a team led by an Oregon State University geotechnical engineer are paving the way toward engineering techniques that could keep Pacific Northwest residents more safe during the eventual Cascadia Subduction Zone earthquake, according to the reports. The National Science Foundation-supported team was led by OSU and included Aaron Gallant, an assistant professor of geotechnical engineering at the University of Maine. The team traveled to Indonesia to study the aftermath of the magnitude 7.5 Palu-Donggala quake that occurred in September 2018, the article states. The team’s [report](#) was recently published by the Geotechnical Extreme Events Recognizance Association.

#### **Garland speaks with BDN about how to extend gardening season**

18 Apr 2019

The [Bangor Daily News](#) interviewed Kate Garland, a horticultural professional with University of Maine Cooperative Extension, for an article on how to extend the gardening season. There are tools and strategies, known as season extenders, to help gardeners add more time to Maine's growing season, according to the article. Garland explained that most of the time, season extenders will either warm the soil or warm the air around the soil to create a more hospitable microclimate for the plants to grow, even in cold conditions in the late spring, early fall and sometimes even winter. "When you talk about season extension, it's good to think about the beginning and end of the spectrum," she said. Garland's tips for extending the season include starting seeds indoors, installing a hoop house or cold frame, and using row covers.

#### **Phelps discusses volunteerism on Maine Public's 'Maine Calling'**

18 Apr 2019

Lisa Phelps, interim director of the University of Maine Cooperative Extension, was a recent guest on [Maine Public's](#) "Maine Calling" radio show. The show focused on the role of volunteerism in the state and how people can get involved.

#### **Down East magazine cites Bolton in article on organic food processor**

18 Apr 2019

[Down East](#) magazine spoke with Jason Bolton, a University of Maine Cooperative Extension food safety specialist, for an article about Turtle Rock Farm, a certified-organic food-processing kitchen in Brunswick. According to Bolton, processing facilities like Turtle Rock Farm are few and far between in Maine. Without them, he said, farmers don't have many options to create products that demand a higher price — and have longer shelf lives — than fruits and veggies straight from the field. In the long run, Maine needs more of these kitchens around the state, the article states, and according to Bolton, government and nonprofit support will be key to making it happen.

#### **Media report on lower ticket pricing for men's ice hockey games**

18 Apr 2019

[WVH](#) (Channel 7), [Kennebec Journal](#) and [Bangor Daily News](#) reported on the University of Maine's announcement that it is significantly changing its pricing structure for single-game and season membership ticket prices for men's ice hockey games at Alfond Arena. The changes will take effect beginning next season. Single-game ticket prices for Black Bear games have been slashed between 30–33 percent. While there will no longer be \$50 seats — which were the most expensive single-game ticket price for any sport in the state of Maine — the most noteworthy change comes to Maine's least expensive seats, according to the KJ. Down from \$24 per ticket, they will now be \$16, a decrease of \$8 per ticket. "It's clear a \$50 single-game ticket is unreasonable in this market," said Ken Ralph, UMaine director of athletics. "We do not want price to be a limiting factor in enjoying Division I hockey. We all want to get back to filling the Alfond with passionate, knowledgeable and enthusiastic Black Bear fans."

#### **Lee receives inaugural Outstanding Research Administration Award**

19 Apr 2019



[caption id="attachment\_66614" align="alignright" width="223"] Betty Lee[/caption] Betty Lee, assistant director of the University of Maine Climate Change Institute (CCI), is the recipient of the first Outstanding Research Administration Award, recognizing distinguished service by staff who support advancement of UMaine's research enterprise. The award will be presented April 23 at the Employee Recognition and Awards Luncheon. It was created this year by the Office of the Vice President for Research and Dean of the Graduate School. Lee has been a member of the UMaine community since 1983. She joined CCI in 2002 as financial administrator and was named assistant director 10 years later. Quite simply, said one nominator, Lee is a UMaine employee who goes above and beyond to enable research, and has been a key to CCI's sustained success and scientific prominence. As assistant director, Lee is involved with CCI sponsored programs from the beginning to the end of each award. She collaborates with faculty, staff and students; university services; and representatives from institutions in Maine, nationwide and worldwide. Annually, she is responsible for the personnel paperwork of more than 135 CCI members and more than 100 financial accounts associated with multiple funding sources. Lee is well known for her commitment to the success of every research enterprise — from student awards to multi-million-dollar National Science Foundation projects, her nominators note. She is described as a role model in her impeccable financial administration, work ethic and student mentoring. "Betty is known throughout the University of Maine, the state and internationally as the go-to person, the dilemma-solver, the calm voice that, at any time of the day, can facilitate everything" — from issues related to extreme environment fieldwork to the day-to-day financial administration to keep CCI "moving seamlessly ahead," noted one nominator. Contact: Margaret Nagle, 207.581.3745

#### **May named 2019 Gould Award winner**

19 Apr 2019



[caption id="attachment\_66619" align="alignright" width="223"]

Janet May[caption] Janet May, coordinator of transition and adults in the Center for Community Inclusion and Disability Studies at the University of Maine, is the 2019 recipient of the Steve Gould Award. The annual award is presented to members of the UMaine community who have, by their conduct, demonstrated superior qualities of unselfishness and compassion in the course of serving UMaine and its ideals. It was created in 1981 by the family and friends of Steve Gould in memory of “a man of honest and passionate concern for others.” The award will be presented April 23 at the Employee Recognition and Awards Luncheon. May has been a member of the UMaine community for 21 years. In her position, she is responsible for helping youth and young adults with intellectual and developmental disabilities and their families transition from high school to postsecondary education or vocational training, community-integrated employment and meaningful participation in their communities. She specializes in disability policy and practice for youth in transition, volunteering and employment. May is described as practical and visionary, an enabling and effective resource person and bridge builder who works in both academia and the community to meet needs. She provides “quiet, competent and compassionate leadership,” and is dedicated to improving the lives of people with disabilities, and their families, according to her nominators. Her life experiences and sense of justice, as well as her problem-solving skills in the face of challenges, make her a true champion of inclusion. She contributed to the Office of Child and Family Services 2016 “Guide to Transition Services in Maine,” and has developed several innovative summer work experience projects for youth with disabilities. Other initiatives in which May has been involved include a New Hampshire and Maine research team that developed a successful family-centered transition planning model for youth with autism. One nominator noted that May is “a gifted person who has made a real difference in the lives of all folks throughout Maine, now and in the future.” Above all, May knows the importance of seeing the person first — not the disability. “Janet works with us to try to create communities where differences are just aspects of who people are, but not the whole sum of who they are.” Contact: Margaret Nagle, 207.581.3745

## Sexual Assault Awareness Month activities at UMaine

### 19 Apr 2019

As part of Sexual Assault Awareness month, the University of Maine will host two outdoor events — The Clothesline Project April 22–25 and Denim Day April 24, both to be held in the area between Fogler Library and Memorial Union. The free public events are in addition to the “Against My Will UMaine” exhibit on the Mall through April 25. The Clothesline Project features shirts with unique, handmade designs — words and art — that depict survivors’ stories of violence and their struggles to overcome abuse. The first Clothesline Project occurred in Hyannis, Massachusetts in 1990 with 31 shirts. Today, an estimated 500 installations containing more than 50,000 shirts occur annually worldwide. The project is recognized globally as an educational tool that shines a light on violence against women and facilitates healing for survivors. For the UMaine event, volunteers from Partners for Peace and Rape Response Services, both with offices in Bangor, will be on hand to answer questions and talk about the Clothesline Project from 11 a.m.–1 p.m. each day. Denim Day is an educational event marking a 1999 Italian Supreme Court decision that overturned a defendant’s rape conviction based on his testimony that his victim’s jeans were too tight to remove without assistance. Wearing jeans on April 24 serves as a visual reminder that there is no excuse for violence against women. UMaine Denim Day activities from 11 a.m.–1 p.m., include making buttons and sharing free educational materials. “Against My Will UMaine,” a collaboration with artist and educator Traci Molloy, features the de-identified images and stories of members of the university community who are survivors of sexual harassment, assault and violence. Molloy first visited UMaine in October 2018 with an exhibit featuring survivors who work or are enrolled at Alfred University in New York. UMaine’s Clothesline Project is presented by Women’s, Gender, and Sexuality Studies, and the Division of Student Life, in collaboration with Partners for Peace and Rape Response Services. Denim Day is offered by Women’s, Gender, and Sexuality Studies and Rape Response Services. “Against My Will UMaine” is presented with support from the Cultural Affairs/Distinguished Lecture Series Fund, and with a grant from the Alton ’38 and Adelaide Hamm Campus Activity Fund. For more information, contact Laurie Cartier, 207.581.1228; [umaine.wgs@maine.edu](mailto:umaine.wgs@maine.edu).

## Earth Week 2019 to feature festival, other sustainability events

### 19 Apr 2019

*Editor’s note: Check the [online](#) schedule prior to attending events in case of last-minute changes.* Earth Week 2019 at the University of Maine will be held April 22–27, and will include various events and activities focused on themes of sustainability and environmental awareness. This year’s theme is “Protect Our Species.” The week will kick off with the Earth Day Spring Festival 11 a.m.–2 p.m. April 22 on the Mall, featuring different green clubs and organizations on campus, educational games and activities, plant-your-own seedlings and the chance to pet goats. Later, a Farm-to-Table Dinner featuring local foods will be offered 4:30–8 p.m. in the residential dining facilities — Hilltop, Wells Central and York. Many other events will be held on campus and in Orono throughout the week, including the Earth Week Presentation Series, which highlights UMaine experts offering insights on sustainability-related issues. Presentations will take place throughout the week at 11 a.m. and 12:30 p.m. at the Senator George J. Mitchell Center for Sustainability Solutions. The Career Center and AmeriCorps MPES will host a Green Jobs Resume Workshop 11 a.m.–noon April 23, and a Green Jobs Fair 1:30–4 p.m. April 25. Karl Kreutz will give a tour of the Climate Change Institute and its Ice Core Lab 3–4 p.m. April 24, and campus organizations will table in the Memorial Union all week to offer educational information on different sustainability topics, from recycling to protecting the oceans and supporting native bees. Earth Week is sponsored by the Office of Sustainability, Auxiliary Services, the Green Campus Initiative, AmeriCorps MPES and the Sustainability and Environmental Action Division. More information, including a full schedule of events, is [online](#).

## 2019 Employee Recognition and Awards Luncheon April 23

### 19 Apr 2019

Employees are invited to join President Joan Ferrini-Mundy, senior administrators and members of the campus community at the 2019 Employee Recognition and Awards Luncheon on April 23. The event, which will be held 11 a.m. to 1 p.m. in Wells Conference Center, honors the commitment and achievements of University of Maine employees and University of Maine System employees who work on the Orono campus. The luncheon is held in celebration of employees who have reached 25, 35 and 45 years of service; outstanding classified and professional employee award recipients; and winners of the Steve Gould Award and Outstanding Research Administration Award. More information about the ceremony, including a list of honorees, is [online](#).

## UMaine Extension mentioned in Daily Bulldog advance of Maine Fiddlehead Festival

### 19 Apr 2019

The [Daily Bulldog](#) previewed the eighth Maine Fiddlehead Festival, which will take place 10 a.m.–3 p.m. May 4 at the University of Maine at Farmington. In keeping with tradition, the article states, the University of Maine Cooperative Extension will give a talk about fiddlehead identification, safe handling and sustainable harvesting, followed by a walk to see if the fiddleheads are up yet. More about the festival is [online](#).

## Alfond Stadium makes GOBankingRates’ list of best stadiums to watch football

### 19 Apr 2019

The University of Maine’s Alfond Stadium was included in [GOBankingRates’](#) list of best stadiums across America to watch a football game. GOBankingRates analyzed data from NFL and NCAA Division I stadiums in every state to compile a comprehensive list of football stadiums. The data included the average cost of ticket prices, stadium capacity, cost of parking and food, according to the article that was published by [Yahoo Finance](#). At the home field for the UMaine Black Bears football team, the average ticket is among the country’s lowest at \$9, according to the article.

## UMaine Extension offering youth gardening program, Mount Desert Islander reports



19 Apr 2019

[Mount Desert Islander](#) reported the University of Maine Cooperative Extension and Maine Coast Heritage Trust are offering the Kids Can Grow youth gardening program for children 7 to 12 years old who live on Mount Desert Island or in surrounding towns. Participants will attend a series of five hands-on gardening classes from May through September at Maine Coast Heritage Trust's Stewardship Barn in Somesville, according to the article.

#### Alyokhin quoted in Lancaster Farming article on Maine Invasive Species Network meeting

19 Apr 2019

Lancaster Farming reported on the recent annual meeting of the Maine Invasive Species Network. Andrei Alyokhin, a professor of applied entomology at the University of Maine, spoke about established invasive species and newly introduced invasive insect species during a presentation on the impact of invasive species on Maine's economy, according to the article. "Of those, spotted wing drosophila is a well-established pest now that causes a lot of damage to small-fruit industry," Alyokhin said. "Necrotic strains of potato virus Y are also well established, but overall incidence of this disease went down since 2012 because of control efforts by growers. Brown marmorated stink bug has become established in southern Maine, but does not seem to cause much of a trouble at this point. Potato wart never got out of a few fields on Prince Edward Island due to rigorous quarantine. New species of concern that were not present in 2015 are the spotted lanternfly and leek moth." Alyokhin said researchers have identified several species of parasitoid wasps that predate spotted wing drosophila and the brown marmorated stink bug. "The biggest danger (of introducing biocontrol agents) is that they will attack nontarget organisms," Alyokhin said. "This is why their host or prey range is being thoroughly tested before release."

#### Glover to speak at Downeast Climate March, Mount Desert Islander reports

19 Apr 2019

[Mount Desert Islander](#) reported Katie Glover, a postdoctoral research associate at the University of Maine Climate Change Institute, will be among the scheduled speakers at the Downeast Climate March in Bar Harbor from 1–3 p.m. April 27. Organized by Indivisible MDI, the march will begin on the Village Green, move to the town pier and return to the green for presentations by the speakers, according to the article. "Climate change is a crucial issue in Maine as our waters are warming faster than any others on Earth and our entire economy depends on a healthy environment that brings people to Maine to partake in its natural beauty and unique resources," organizers said.

#### Atlas Obscura cites Hornsby's book in article on 'Wonders of New York' map

19 Apr 2019

[Atlas Obscura](#) quoted a book by University of Maine geographer Stephen Hornsby in the article "Step into a midcentury map of New York, packed with weird local lore." "The Wonders of New York," by New Jersey-born cartographer Nils Hansell, is on the cover of Hornsby's book, "Picturing America: The Golden Age of Pictorial Maps." Inside, Hornsby makes the case that maps like this one — colorful, flamboyant, and not especially useful for navigation — were the offspring of the advertising culture that boomed in the mid-20th century, the article states. Hansell's map is essentially selling the idea of Manhattan as the place to be in the early 1950s, according to the article. It captured the borough's buzz, Hornsby writes, in the form of the "gleaming modernist skyscrapers and the new United Nations building, transatlantic liners, and newly introduced jet passenger planes."

#### Media report on 2018 drug overdose death statistics compiled by Sorg

19 Apr 2019

The Associated Press, [Portland Press Herald](#), [Bangor Daily News](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported drug overdose deaths in Maine dropped 15 percent last year, but still account for about one death each day. The annual report, compiled by Marcella Sorg, an anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine, put the total number of fatal drug overdoses at 354 in 2018, compared to 417 deaths the year before, according to the AP. The report found that 80 percent of the deaths involved opioids, and that Fentanyl and its analogs caused 77 percent of opioid-involved deaths. Sorg said it is important to note that a reduction in deaths does not mean there is a reduction in people suffering from opioid use disorder. [Maine Public](#) and [U.S. News & World Report](#) carried the AP article.

#### Vogt to give lecture in advance of Handel's 'Messiah' concert

22 Apr 2019

Francis Vogt, director of choral activities and lecturer in the University of Maine School of Performing Arts, will give a lecture titled "'Their sound is gone out': Handel's Messiah in America" at 4:30 p.m. April 24 in Minsky Recital Hall in advance of the corresponding concert on April 28. The lecture, sponsored in part by a grant from the McGillicuddy Humanities Center, will focus on the performance history of George Frideric Handel's "Messiah" in the United States and its enduring influence on classical music performers and audiences. Vogt will direct a performance of the work at 3 p.m. April 28 in the Collins Center for the Arts. The University Singers will be joined by an orchestra comprising SPA faculty, students and members of the Bangor Symphony Orchestra. Tickets are \$12 or free with a student MaineCard, and can be purchased [online](#) or by calling 581.1755.

#### Student documentary on small-town ingenuity to premiere at UMM

22 Apr 2019

The University of Maine at Machias will premiere the documentary film "When the Chevy Breaks (How Small Towns Fix Big Problems)" at 6:30 p.m. April 24 at the Performing Arts Center. The event is free and open to the public. For more information or to request a reasonable accommodation, call 207.255.1342. The documentary, filmed last year in Washington County, is the third feature-length production to come out of the Down East documentary filmmaking course at UMM, taught by interdisciplinary fine arts faculty member Alan Kryszak. "When the Chevy Breaks (How Small Towns Fix Big Problems)" tells a collection of stories, from Machias taking on the world's most powerful Navy (on a Sunday after church), to a father who is an amputee waiting for his son to return from Afghanistan so they can climb Mount Katahdin together. The stories of persistent people overcoming obstacles, big and small, are set in Down East Maine, including Eastport, Jonesport, Machias and Kingsfield. Student filmmakers include Miranda Sutton, Brooke Hachey, Will Rittenhouse, Kayla Cater, Sophie Squire, Eric Darby, Christopher Palmiotto, Trevor Tanski, Jesse Gray, Alex Blackie, Lucas Logan, Abdalla Mostafa, Alexis Morrill and Holly Preston. The previous year's documentary filmmaking students were recognized with an Excellence Award at the 2018 Docs Without Borders Film Festival for their documentary about the opioid epidemic in Washington County, "Whatever Works: Exploring Opiate Addiction." A video about the class projects and the students behind them is [online](#).

#### Rockport 4-H club excels at public speaking tournament, VillageSoup reports

22 Apr 2019

[VillageSoup](#) reported four members of the Aldermere Achievers 4-H Club in Rockport participated in the 4-H Public Speaking Tournament at the University of Maine in March. All four children received top scores and blue ribbons at the event, which is part of the youth development program of University of Maine Cooperative Extension, according to the article.

#### UMaine Extension cited in BDN article on Albion peach farm

22 Apr 2019

The University of Maine Cooperative Extension was mentioned in a [Bangor Daily News](#) article about a peach farm in Albion. When Gordon and Marilyn Kenyon moved from out west to Maine in the 1980s, they yearned for tree-ripened peaches, according to the article. So, in 1985 the Kenyons decided to plant their roots and a few peach trees in the small town of Albion, the article states. "The average lifespan for a peach tree according to the University of Maine Cooperative Extension service is seven years, and the reason for that is because if you plant one in the wrong place, they are susceptible to cold and will freeze out," Gordon Kenyon said. "I think one of my original peach trees is still living."

#### MD Islander reports Silver to direct chamber music summer adult program

22 Apr 2019

[Mount Desert Islander](#) reported Noreen Silver, an instructor of cello and chamber music at the University of Maine, will direct an inaugural summer chamber music program for adults at the Ellsworth Community Music Institute. The program is part of Arthur Russell Week, the institute's annual summer festival, and sessions will be held 1–4 p.m. July 8–11. Applications are [online](#), and are now being accepted from students who are curious about broadening their musical knowledge through ensemble playing, the article states. Both individuals and preformed groups are invited to apply. For more information, call 664.9258 or email [arthurrussellfestival@gmail.com](mailto:arthurrussellfestival@gmail.com).

#### **CBC quotes Gosse in article on triclosan**

22 Apr 2019

[Canadian Broadcasting Corporation](#) quoted Julie Gosse, an associate professor of biochemistry at the University of Maine, in an article on the antimicrobial agent triclosan. Triclosan was common in household antibacterial soaps and other cleaners by the end of the '90s, but questions have arisen about its safety, according to CBC. "The companies were not putting it in for nefarious reasons; they were putting it in for health reasons. But there hadn't been a whole lot of actual toxicology studies done on it," Gosse said. Major manufacturers have gradually stopped using triclosan, and last week the U.S. Food and Drug Administration announced it was finalizing rules requiring companies to prove that triclosan was more effective than ordinary soap, the article states. Gosse researches triclosan and has discovered it can affect human mast cells, an important part of the immune system, as well as mitochondria. "We found that triclosan inhibits mast cell function quite acutely and quite strongly at concentrations that are completely relevant to what people would be exposed to when they're washing their hands with this stuff or using the toothpaste," said Gosse. "In real time, with super resolution microscopy, we've seen the mitochondria become deformed within a matter of minutes. And these are the energy powerhouses of the cell."

#### **WABI advances Clothesline Project recognizing Sexual Assault Awareness Month**

22 Apr 2019

[WABI](#) (Channel 5) advanced the Clothesline Project at the University of Maine, an installation on the Mall to recognize Sexual Assault Awareness Month, as part of a roundup of related events across the state. The project, a display of clothing created by survivors, is a collaboration with Bangor-based organizations Partners for Peace and Rape Response Services and is intended to raise awareness about the effects of sexual assault, WABI reported. The display will be up 11 a.m.–1 p.m. April 22–25. UMaine's Women's, Gender, and Sexuality Studies Department and Student Life also are sponsors.

#### **Lancaster Farming publishes article on UMaine Extension's AgrAbility program**

22 Apr 2019

[Lancaster Farming](#) published an article on Maine AgrAbility, a non-profit program that supports farmers, fishermen and forest workers with disabilities and helps them continue working. Funded by a USDA National Institute of Food and Agriculture grant and run by University of Maine Cooperative Extension and the National AgrAbility Project, Maine AgrAbility provides services at no charge to those who need them by connecting them to a network of federal, state and local resources, according to the article. "We are connecting people with the resources that are already out there," said Ellen Gibson, a farmer who works with Maine AgrAbility. "The first line of defense is working with occupational therapists who know farming. Through assistive technology, different kinds of tools, or changing up the way they do things, we come up with individualized plans for clients."

#### **Maine Public interviews astrophysicist presenting at UMaine**

22 Apr 2019

[Maine Public](#) spoke with Grant Tremblay, an astrophysicist at the Harvard-Smithsonian Center for Astrophysics and native Maine resident, who was back in the state to speak at the University of Maine. Tremblay presented "Light from the Void: NASA's Once and Future Great Observatories" as part of the Emera Astronomy Center's Science Lecture Series, and "Galaxy-scale Fountains with Black Hole Pumps," a Department of Physics and Astronomy colloquium. Maine Public interviewed Tremblay soon after NASA released the first groundbreaking image of a black hole.

#### **Dill speaks with BDN about how to protect garden from slugs**

22 Apr 2019

The [Bangor Daily News](#) included information from Jim Dill, pest management specialist at the University of Maine Cooperative Extension, in the article, "How you can protect your garden from slugs." Slugs can do a lot of damage to a garden by chewing on leaves and stems, as well as leaving behind trails of slime, which can be difficult to remove from crops, the BDN reported. "Slug slime, once it dries, is pretty hard to get off," according to Dill, who recommends creating a slug barrier with two perpendicular copper wires, especially around raised bed gardens. The article also stated that slugs avoid crawling over anything that's dry or scratchy, such as diatomaceous earth, cinders, coarse sawdust, gravel or sand, and an hour spent hand-picking and destroying slugs can noticeably reduce the population, according to UMaine Extension.

#### **Mortarboard decorating party for UMaine graduates April 24**

23 Apr 2019

A "Creative Caps" decorating party for soon-to-be University of Maine graduates will be held 3–6 p.m. April 24 outside University Bookstore in the Memorial Union. The free event will feature crafting supplies, music, light refreshments and photographs of students with their bedazzled mortarboards. It is sponsored by University Bookstore, and Campus Activities and Student Engagement.

#### **Klein receives Maine Campus Compact's Donald Harward Faculty Award**

23 Apr 2019

Sharon Klein, an associate professor of economics at the University of Maine, has received the Maine Campus Compact's Donald Harward Faculty Award for Service-Learning Excellence. The award recognizes the accomplishments of outstanding Maine faculty members who make public service an integral part of their curriculum, create reciprocal partnerships with communities, and advocate for service-learning. Klein has been integrating service-learning in her sustainable energy courses since 2015, partnering with the non-profit organization Window Dressers. Her window insert research supported Maine Campus Compact's grant proposal for the Maine Partnership for Environmental Stewardship Program (MPES). She also serves as advising faculty for UMaine AmeriCorps volunteers and engages her students in MPES activities. Klein will receive the award at Maine Campus Compact's 18th Annual Awards Ceremony at 2 p.m. April 24 at the University of Southern Maine Lewiston-Auburn College. Maine Campus Compact is a coalition of 18 campuses whose purpose is to catalyze and lead a movement to reinvigorate the public purposes and civic mission of higher education, according to the organization's website.

#### **Participants sought for taste research on seaweed salad**

23 Apr 2019

Maine is home to a growing seaweed farming industry, but many domestic seaweed salads are made with imported products. To help the Maine aquaculture industry develop new markets for the products, University of Maine food science researchers are studying the palatability of Maine sugar kelp in salads. Participants are needed for a research project on the taste of seaweed salads. The trial will be conducted 11:30 a.m.–5:30 p.m. April 24 at the Sensory Evaluation Center, 158 Hitchner Hall. Participants must be at least 18 years old and like seaweed salad, and cannot be allergic to seaweed, carrots or sesame seeds. Those who provide opinions of the three samples will receive \$5 compensation. Interested participants can sign up to participate [online](#). Contact the Sensory Evaluation Center at 207.581.1733 or [sensory.evaluation@maine.edu](mailto:sensory.evaluation@maine.edu) for more information. The research is led by Samuel Akomea-Frempong, a Ph.D. student in the food and nutrition sciences program, under the guidance of Jennifer Perry, Denise Skonberg and Mary Ellen Camire, who are food science faculty members in the School of Food and Agriculture. Researchers from Maine Sea Grant and UMaine's Department of Chemical and Biological Engineering also are involved in the project. The research is part of a \$900,000 grant from the National Oceanographic and Atmospheric Administration (NOAA) to help the seaweed industry attract new markets for its products.

## **Hutchinson Center to host educational leadership program info session, Republican Journal reports**

**23 Apr 2019**

The [Republican Journal](#) reported the University of Maine Hutchinson Center will host an information session about educational leadership programs from 4–5 p.m. April 24. The session will cover the M.Ed. in educational leadership and the news Ed.S. in district leadership, both of which deliver online coursework as well as Saturday and evening meetings at the center in Belfast, according to the article. More information is available [online](#) or by emailing [paul.d.knowles@maine.edu](mailto:paul.d.knowles@maine.edu).

## **VillageSoup advances shell middens talk by Kelley**

**23 Apr 2019**

[VillageSoup](#) advanced a talk by Alice Kelley, an instructor in the University of Maine School of Earth and Climate Science and research associate professor in the Climate Change Institute. Kelley will discuss Maine’s shell middens at noon April 30 at Merryspring Nature Center in Camden. The talk will focus on the record the middens archive and the citizen science program that is being developed to monitor and document erosion and preserve information before it is lost, the article states. The lecture is part of the Spring Talk series at Merryspring; cost is \$5 or free for Merryspring members. For more information, call 236.2239 or email [info@merryspring.org](mailto:info@merryspring.org).

## **Outside magazine quotes Yarborough in article on blueberries**

**23 Apr 2019**

[Outside](#) magazine quoted David Yarborough, wild blueberry specialist with University of Maine Cooperative Extension, in the article “How Blueberries Became a Superfood.” Blueberry yield in Maine “has gone up astronomically as far as the production of fruit, both for wild and cultivated. We’re producing more blueberries than we’re eating, but we just have to get more people to eat more wild blueberries, or blueberries in total,” said Yarborough.

## **Articles quote Rosenbaum, feature her research on spoilers**

**23 Apr 2019**

Articles by [Forbes](#), [MTV](#) and [The Indian Express](#) featured research on spoilers by Judith Rosenbaum, an assistant professor of communication and journalism at the University of Maine. Along with Benjamin Johnson of the University of Florida, Rosenbaum published a 2015 study that found spoilers had small negative impacts on enjoyment of a narrative, appreciation of the story and the feeling of being immersed in a fictional world. This contradicted previous studies by others who found that “story spoilers don’t spoil stories,” according to Forbes. The pair’s 2017 study found that people who were exposed to “Game of Thrones” spoilers enjoyed the Season 5 storyline more than those who were not, according to MTV. “That is connected to the idea of mental models — how you make sense of characters in a storyline,” said Rosenbaum. “Sometimes spoilers can help you build a mental model that makes it easier to process what’s going on, and that increases your enjoyment of the show.” Rosenbaum found that in general, fantasy stories, including Marvel movies, tend to be enjoyed more when they’re spoiled. She also found that sometimes people use spoilers as an emotional shield. “Sometimes you get really invested in a character and you’re worried that if something bad’s going to happen to that character, the emotional effect will be too overwhelming,” said Rosenbaum. Johnson and Rosenbaum also published a 2018 study in which people were shown movie posters with a synopsis of the movie’s plot that either did or did not contain spoilers. The reaction that stood out — a movie poster that contained plot details made people slightly more annoyed than a poster that did not, Forbes reported. The same study did not find any impact of spoilers on enjoyment when the medium was audiovisual, for example, video clips from a show or film. The study furthered the idea that the science of spoilers is nuanced, and that their impact is never fully captured through research. “Honestly, if you go look for spoilers, they probably won’t hurt your enjoyment,” said Rosenbaum.

## **WABI covers Earth Day celebration at UMaine**

**23 Apr 2019**

[WABI](#) (Channel 5) covered a celebration of Earth Day at the University of Maine. Groups on campus hosted SpringFest on April 22 to educate their peers about the importance of green living and sustainability on a college campus, WABI reported. “Campuses are one of the biggest carbon emitters. They’re huge institutions with lots of people living there, so the best thing we can do is individually reduce our impact,” said Kiera Luu, AmeriCorps representative. “Everybody starts somewhere, and we’re just trying to teach people about even the smallest ways. There’s a way that everyone can help.” The event featured baby goats, seed planting, and other activities and informational tables. “We’re talking about what can actually go into the recycling containers and what should be put into trash,” said Scott Lariviere of the student group Green Campus Initiative. “Everyone lives on the planet, and so Earth Day is about trying to protect the natural landscapes that we live in and love to go visit — our homes, keeping our homes clean.”

## **Immigrant health stories in Maine focus of free public event April 25**

**24 Apr 2019**

Health issues confronting immigrants in Maine communities will be the focus of a free, public event at the University of Maine’s Buchanan Alumni House on April 25. “Immigrant Health and Immigrant Stories in Maine Communities” will feature a panel of multidisciplinary professionals in the fields of health, social work and immigration advocacy. A free reception will be held at 6:30 p.m. preceding the panel discussion at 7 p.m. in the McIntire Room. The panel will be moderated by Mark Kuczewski, director of the Neiswanger Institute for Bioethics and chair of the Department of Medical Education at Loyola University Chicago’s Stritch School of Medicine. Panelists include Silvestre Guzman, an admissions counselor and multicultural student recruiter at the University of Maine; Judith Josiah-Martin, a lecturer of social work at UMaine; Resmi Rajan, a doctor at Northern Light Eastern Maine Medical Center Inpatient Care; and Edith Flores, a community health worker at Maine Mobile Health Program and the advocacy and client services manager at Mano en Mano. The event is sponsored by Northern Light Eastern Maine Medical Center, Northern Light Acadia Hospital, and Maine Mobile Health Program, as well as UMaine’s Department of Philosophy, School of Nursing, and School of Social Work. To request a reasonable accommodation, call 207.581.1176. For more information about the event, email Jessica Miller, [jessica.p.miller@maine.edu](mailto:jessica.p.miller@maine.edu).

## **Morning Ag Clips, Penobscot Times announce registration open for 4-H@UMaine**

**24 Apr 2019**

[Morning Ag Clips](#) and [The Penobscot Times](#) announced registration is open for the annual 4-H@UMaine weekend event for youth in grades 6–10, scheduled for 3 p.m. May 31 through 4:30 p.m. June 1. Registration is requested [online](#) by May 3. The event will feature interactive workshops with topics including marine biology, space exploration, the science of optical illusions, paper making and stress reduction through creativity, the articles state. Participants also will have the chance to learn from career role models and network with youth from across the state. Cost is \$55 per person, or \$45 for each additional participant from the same family, and includes meals. For more information, call 581.3877 or email [4HatUMaine@maine.edu](mailto:4HatUMaine@maine.edu). To request a reasonable accommodation, call Jessy Brainerd at 581.3877.

## **Education Dive reports on grading practices study by Buchanan**

**24 Apr 2019**

[Education Dive](#) reported on a study of grading practices by Rebecca Buchanan, an assistant professor of curriculum, assessment and instruction at the University of Maine, and Brad Olsen of University of California Santa Cruz. The study focused on the implementation in two high schools of a model, called Elevate, that emphasizes the sole purpose of grading as a reflection of a student’s mastery of academic skills, eliminating approaches like adding extra credit points or giving zeros for missing assignments, the article states. “Many teacher educators expect that the schools that hire their students will teach the novices how to grade, or they say they do not have time to cover that topic,” according to the study. “But public secondary schools rarely have standardized, articulable philosophies of grading or provide induction on the topic.” The study reflected teachers’ reactions to the changes in the grading system, and yielded lessons such as allowing teachers to try new grading procedures in a low-stakes setting and taking a whole-school approach, according to Education Dive.

## **Morning Ag Clips, Journal Tribune preview UMaine Extension plant sales**

**24 Apr 2019**

[Morning Ag Clips](#) and the [Biddeford Journal Tribune](#) previewed University of Maine Cooperative Extension plant sales on May 18. The 25th annual Cumberland County Master Gardener’s Plant Sale will be held 8 a.m.–noon at the Barron Center in Portland,



Morning Ag Clips reported. Master Gardener Volunteers will help attendees select plants to best meet their needs and answer questions on how to care for them. There will be native and pollinator plants, vegetable seedlings, herbs, perennials, shrubs and annuals, as well as gently used gardening items, local compost, a raffle, bake sale items, demonstrations, live music and local vendors. Proceeds will benefit the group's Seed Grant program for community projects, according to Morning Ag Clips. The annual York County Master Gardener Volunteers Plant Sale will be 8:30 a.m.–noon at the UMaine Extension office in Springvale, according to the Biddeford Journal Tribune. The sale will offer annuals, perennials, vegetables, herbs, trees, shrubs, houseplants and gently used gardening books and tools, the article states. All proceeds benefit Master Gardener Volunteer programs in York County, including Kids Can Grow, Garden Angels, Maine Harvest for Hunger and demonstration gardens. [Morning Ag Clips](#) also previewed the sale in Springvale, and [SeacoastOnline](#) mentioned it in a roundup of Sanford-area news briefs.

#### **Clothesline Project, Denim Day raise awareness of sexual assault, WABI reports**

**24 Apr 2019**

[WABI](#) (Channel 5) reported the University of Maine is recognizing Sexual Assault Awareness Month through the Clothesline Project and Denim Day. The Clothesline Project, an installation on the Mall, features shirts with unique, handmade designs made by survivors that depict stories of violence and the struggles to overcome abuse, WABI reported. The project is a collaboration with Bangor-based organizations Partners for Peace and Rape Response Services and will be on display 11 a.m.–1 p.m. through April 25. UMaine's Women's, Gender, and Sexuality Studies Department and Student Life also are sponsors. Denim Day is an educational event in which participants wear jeans as a visual reminder that there is no excuse for violence against women, WABI reported. The event marks a 1999 Italian Supreme Court decision that overturned a defendant's rape conviction based on his testimony that his victim's jeans were too tight to remove without assistance.

#### **Ferrini-Mundy, students speak with media about tuition-free education**

**24 Apr 2019**

University of Maine and University of Maine at Machias President Joan Ferrini-Mundy, and UMaine students Courtney Hatton and Bentley Simpson, were recent guests on the George Hale and Ric Tyler Show on [103.9 WVOM](#). The Voice of Maine. Ferrini-Mundy, Hatton and Simpson also were interviewed by [WVU](#) (Channel 7), and [The Maine Edge](#) also spoke with Hatton and Simpson. More than 4,000 Maine students are attending University of Maine System institutions in the spring 2019 semester free of tuition and fee expenses, and 24 percent of students in the system graduate free of debt, WVU reported. "The entire system has been really engaged in trying to up those percentages, and here at UMaine we've seen a big increase in the past seven years or so, from about 30 million to 60 million (dollars) that's available through the system part of the financial aid. And then on top of that, of course, really working with our University of Maine Foundation to make sure the scholarship aid we provide is equally strong," said Ferrini-Mundy. "It gives these students an opportunity to consider staying in Maine, or come back to Maine, and to bring all that they've benefited from in their university experience to the community of Maine and make a difference here." The students gave their perspectives on how the system's efforts are helping them further their education and career paths without the hindrance of student loan debt. Hatton is a biology student who returned to school after 11 years in the workforce, according to WVU. "This past year has been completely financed on scholarships through the help of UMaine alumni and the scholarships through the University of Maine System," Hatton said. "I'm taking my passion for the outdoors and the ocean and then combining that with a true academic background," said Simpson, a marine sciences student.

#### **During abrupt warming, lobsters in acidic water have reduced heart function, fewer infection-fighting cells**

**24 Apr 2019**

Ocean acidification and warming may be an unhealthy combination for lobsters, say University of Maine scientists. The heart rates of lobsters (*Homarus americanus*) who lived 60 days in water with predicted end-century ocean pH levels became erratic significantly sooner during an abrupt warming event than those of lobsters in ocean water with current pH levels. The findings could be "likened to putting people on a treadmill and finding that people exposed to ocean acidification fell off the treadmill from exhaustion much sooner than those not exposed," says Heather Hamlin, a reproductive endocrinologist and associate professor in the School of Marine Sciences. <https://youtu.be/7toQuwWs2zg> [Read transcript](#) The lobsters exposed to acidic ocean conditions also had fewer cells that fight infection in their hemolymph (similar to blood), says Amalia Harrington, a recent marine biology Ph.D. graduate. So while lobsters in acidic ocean water may look and act normal, they experience physiological challenges when exposed to multiple stressors, says Hamlin. She and Harrington tested adolescent female lobsters transitioning to adulthood. Effects of environmental stressors during this stage could have major impacts on the population of the species, say the researchers, who believe this is the first such study of its kind. "We're really trying to get at the 'hidden' impacts of climate change on this understudied but extremely important stage of the American lobster," says Harrington. "Most of the previous work exploring climate change impacts on American lobster has focused on early developmental stages (eggs and larvae). While this is helpful for understanding how environmental change might impact the number of baby lobsters that survive their time in the plankton and make it to the seafloor, it doesn't really tell us what impact that will have on the population as a whole." Harrington says they also wanted to gain a better understanding of non-lethal impacts of acidification on lobsters. The researchers' findings are in the online article "Ocean acidification alters thermal cardiac performance, hemocyte abundance, and hemolymph chemistry in subadult American lobsters *Homarus americanus* H. Milne Edwards, 1837 (Decapoda: Malacostraca: Nephropidae)" in the April 8, 2019 issue of Journal of Crustacean Biology. The level of carbon dioxide in the atmosphere already has resulted in widespread patterns of ocean acidification and more frequent extreme warming events, say Harrington and Hamlin. In addition, the Gulf of Maine is warming faster than 99 percent of the global oceans. In summer 2012, its temperature hit a record 68.98 Fahrenheit and last summer, it reached 68.93, according to the Gulf of Maine Research Institute. For the research, Harrington and Hamlin incrementally increased the water temperature from 53.6 Fahrenheit to 82.4 in 2 hours and 30 minutes in tanks with a control group of lobsters and in tanks with lobsters who had lived two months in ocean pH conditions of 8.0 or 7.6. They found that lobsters exposed to decreased pH (more acidic water) demonstrated reduced cardiac performance. The decline in total hemocyte counts (THCs) in the lobsters' hemolymph could compound the issue, says Harrington. When immune function is suppressed, susceptibility to disease could increase. She and Hamlin will explore that possibility with \$192,000 from the National Oceanic and Atmospheric Association Saltonstall-Kennedy Grant Program. It funds projects that "address the needs of fishing communities, optimize economic benefits by building and maintaining sustainable fisheries, and increase other opportunities to keep working waterfronts viable." Harrington will work as a postdoctoral researcher in Hamlin's lab. They'll expose lobsters to a pathogen to examine if lobsters previously subjected to acidic water are more vulnerable. "Exposing the lobster to a pathogen will help us determine how the lobsters respond to a subsequent stress event, and if they have the capacity to deal with it in the same way lobsters that haven't been exposed to acidic conditions can," says Hamlin. "Similar to when humans become run down, they're more vulnerable to catching a cold or other illness." Additional follow-up research could explore the combined effects of ocean acidification and warming on lobster physiology, and how those physiological changes relate to behavior, reproduction and gene expression. Contact: Beth Staples, 207.581.3777

## **Transcript**

**Heather Hamlin:** What we did is, we exposed lobsters to two different pHs, a pH that they're experiencing now in their natural environment and a pH that we might expect at the end of the century. I'm sure you've heard of ocean acidification, basically, an increasing acidity in the ocean's pH. What we're concerned about is what that could mean potentially for our lobster populations in the state of Maine and what that might mean, long-term, for our populations. Animals like lobsters don't create their own heat so their metabolism and all of those things are regulated by their external environments. When we put them in this temperature-ramping study, which slowly increases temperature over time, their heart rate starts to increase. I guess this could be likened to, if you put humans on a treadmill and they're running. The humans that were exposed to the more acidic conditions, they would fall off the treadmill from exhaustion a little bit sooner than those exposed to the normal conditions. What we're showing is that maybe when they encounter some kind of subsequent stress event — maybe it might be increasing ocean temperatures, or it might be they've encountered some kind of pathogen — they may have this compounded stress event and they may be at a disadvantage in that regard. The Gulf of Maine, the temperatures are increasing at a rate faster than 99 percent of the world's global oceans. We are a hotspot for climate change. Not a lot of people know that. Our animals could be a little bit more vulnerable than, potentially, others. What we're saying is like when people get run down, they're more vulnerable to colds and things like that. It doesn't necessarily mean this is a fait accompli (or) this is definitely what's going to happen. We need to be more aware that if they are a little bit more vulnerable, then we need to be more aware when watching and watching what will happen. [Back to post](#)

#### **Florence Reed, founder of Sustainable Harvest International, to receive UMaine honorary degree**

**25 Apr 2019**



[caption id="attachment\_66727" align="alignright" width="223"]

Florence Reed/[caption] The University of Maine will confer an honorary degree to Florence Reed of Surry, Maine, founder of Sustainable Harvest International. The honorary doctorate will be awarded as part of UMaine's 217th Commencement May 11 during the ceremony beginning at 9:30 a.m. "The University of Maine is proud to recognize Florence Reed's inspiring worldview and more than two decades of life-changing work in Central America," says University of Maine President Joan Ferrini-Mundy. "Her passion and vision have empowered local farmers and their communities, saved tropical forests and led reforestation efforts. Through Sustainable Harvest International, she has shown the world that sustainable farming can be key to curbing rural poverty and environmental degradation." Reed is a social entrepreneur who has been on a lifelong path to help protect our planet and all creatures, including humans. As a teenager, she volunteered at the local Audubon Society. At the University of New Hampshire, Reed was involved with peace and justice groups, mostly focused on Central America. She also started a campus environmental group. Reed tailored her studies to parallel her activism, with a particular focus on Latin America and saving the world's rainforests. Soon after graduating, she joined the United States Peace Corps, and served as an agro-forestry extension agent for two years in Panama. After working for other nonprofit organizations, Reed founded Sustainable Harvest International in 1997. Sustainable Harvest International has helped 3,000 smallholder farms in Central America convert 26,000 acres of degraded land to regenerative agroecology practices that include 4 million trees. In the face of a looming climate crisis, Reed is now leading the organization toward a scaling up vision to reverse land degradation on 8 million acres, achieve food sovereignty for 5 million people and draw down 16 million tons of carbon into the soil annually. A new video about the work of Reed and Sustainable Harvest International is [online](#). Contact: Margaret Nagle, 207.581.3745

## Maine Sea Grant helping to host Seaweed Week April 26–May 4

25 Apr 2019

The inaugural Maine Seaweed Week will run April 26–May 4 in Portland to celebrate Maine's seaweed harvest and the versatility and benefits of the variety of marine plants in the state. The weeklong event is presented by Heritage Seaweed and supported through a partnership with Maine Sea Grant, University of New England, Maine Seaweed Council, Maine Food Industry, Island Institute and industry stakeholders in Maine's seaweed sector. A combined harvest festival and restaurant week, Seaweed Week will feature more than 50 participating restaurants throughout Portland, as well as other Maine and New Hampshire locations. Maine Sea Grant also is coordinating partner events for the festival, including farm tours and educational talks, and will be hosting University of Maine students at the Portland Farmers Market, where they will discuss their involvement in seaweed-related research. More information about the festival and participating locations is [online](#).

## Army ROTC cadets build leadership experience through spring field training

25 Apr 2019

Members of the University of Maine's Army Reserve Officer Training Corps (ROTC) program built leadership experience and prepared for future training during a spring field training exercise April 5 and 6 at Bog Brook Military Training Center in Bethel, Maine. The training is designed for all program cadets. This year, 83 students led missions including a raid, ambush, area defense and reconnaissance, and worked together to plan and execute ways to reach the missions' end goals within a specified time frame. This is the program's second consecutive year training at Bog Brook, a National Guard facility. In past years the training has been held at Fort Devens in Massachusetts and at Plymouth Training Area in Plymouth, Maine. "This training is important for our third-year cadets, who are the primary training audience and leaders of our program, to gain leadership experience with cadets from other schools in order to perform to the highest standard this summer at Cadet Summer Training (CST) in Kentucky," says Delaney Corthell, public affairs officer for UMaine Army ROTC. "First- and second-year cadets are also gaining valuable training from being set outside of their comfort zone for a weekend, engaging in leadership opportunities, and working with peers to conduct field missions." UMaine Army ROTC, or the Black Bear Battalion, admits qualifying students from any degree program and trains cadets for future positions as Second Lieutenants in the United States Army. It is the only Army ROTC program in Maine.

## Presentations to examine Franco American experience of WWI, lasting effects

25 Apr 2019

The University of Maine will host a series of presentations April 26 that will explore the lasting effects of World War I on Franco American communities. "Franco Americans, Acadians, and the Great War" will be held 1–3 p.m. in Crossland Hall at the Franco-American Centre. "Many Franco Americans served in WWI, and this spring marks 100 years since the first Red Scare, landmark pieces of linguistic and educational legislation in New England, and Franco Americans' Worcester convention, whose resolutions reverberated northward to Maine," says Susan Pinette, director of Franco American Programs at UMaine. The panel also will look at the effects of WWI — mostly the rise of nationalism — on education policies, and how these affected the francophone community of the Saint John River Valley, according to Pinette. Presentations will be made by Severin M. Beliveau, the Honorary Consul of France in Maine; Patrick Lacroix, a Franco American historian, author and instructor at Phillips Exeter Academy; Mark Richard, a Franco American historian and author, professor of history at SUNY Plattsburgh, and Spring 2019 Libra Visiting Diversity Professor at UMaine; and Elisa Sance, a UMaine graduate student who is pursuing a Ph.D. in history. Beliveau will discuss "My Father's Experience in World War I," Lacroix will present "Arduous Ascent: Ethnic Transition in the Northeastern United States, 1914–1924," Richard will speak on "It is not Necessary to be more American than the American Himself: French Speakers Fight the Great War Abroad and at Home," and Sance will present "The War has Taught us the Need of a More United People, Speaking One Language, Thinking One Tradition, and Holding Allegiance to one Patriotism — America": Consequences of WWI on Education in the Saint John River Valley." David Vermette, a community-based historian and author of "A Distinct Alien Race: The Untold Story of Franco-Americans," will serve as panel moderator and commentator. The event is supported by the Jeannine Emond Lucey Franco American Program Fund, Canadian-American Center, History Department, Clement and Linda McGillicuddy Humanities Center, Department of Modern Languages and Classics, and a grant from the Cultural Affairs/Distinguished Lecture Series Fund. The event marks the launch of the eighth annual "Rassemblement" of Franco American artists, writers and creatives. The annual event, organized by UMaine's Franco American Programs, aims to create a culturally supportive space in which members of the Franco American creative community can share their work. More information, including scheduled activities, is [online](#).

## Volunteers needed for UMaine Commencement ceremonies

25 Apr 2019

The University of Maine will hold its 217th Commencement on May 11. Commencement is the largest single event held by UMaine all year, hosting nearly 10,000 guests. Volunteers are sought to assist with the ceremonies. A volunteer training session will be held at 1 p.m. May 7 at Alford Arena. Those interested in volunteering should complete the electronic submission [form](#). More information, including detailed [volunteer position descriptions](#) and [frequently asked questions](#), are [online](#). Volunteers can help out at one or both of the ceremonies. Hourly employees must receive their supervisor's permission to be paid comp time, overtime or given rescheduled time for time worked on May 11.

## Remembering the victims of the Sri Lanka Easter attacks

25 Apr 2019

A candlelight vigil will be held at 5 p.m. April 25 on the steps of Fogler Library to reflect and remember the victims of the Easter attacks in Sri Lanka. The event is organized by the Office of International Programs. On Sunday, University of Maine President Joan Ferrini-Mundy and Vice President and Dean of Students Robert Dana noted in a message to the university community: "These senseless, horrific acts on one of the holiest days for Christians are catastrophic for all who value and champion religious freedom, diversity and inclusivity. No one should experience fear because of their beliefs or be terrorized where they pray. The University of Maine community adds its voice to the worldwide outpouring of support for the victims and condemnation of these atrocities. In the face of such violence designed to instill fear and inflict harm, we affirm our values of inclusivity and safety, and reject hatred and intolerance. The University of Maine is a strong, loving and welcoming community. Such violence must strengthen our absolute core

belief that dignity and respect for all people, at all times, are imperative for a healthy, caring and diverse society.” For more information about the vigil, call Iranga Subasinghe at 207.249.5217 or Nishad Jayasundara at 510.778.3140.

#### **Smart Water Magazine published UMaine release on lake study by Warner, Saros**

**25 Apr 2019**

[Smart Water Magazine](#) published a University of Maine news release on a study of dissolved organic carbon in Maine lakes by Kate Warner and Jasmine Saros, researchers in UMaine’s Climate Change Institute and School of Biology and Ecology. The study monitored concentrations of dissolved organic carbon in Maine lakes before and after severe rainstorms and found the practice could inform management strategies to help ensure consistent, high-quality drinking water, according to the release.

#### **BDN speaks with Lichtenwalner about lash eggs**

**25 Apr 2019**

The [Bangor Daily News](#) spoke with Anne Lichtenwalner, director of the University of Maine Animal Health Laboratory and associate professor of animal and veterinary sciences, for the article “If a chicken’s egg doesn’t look quite right, it could be a lash egg.” A lash egg is not an egg at all, but an egg-shaped expulsion of tissue and yolk-like material that is a symptom of coliform salpingitis, the inflammation of the oviduct and uterus of a bird due to a bacterial infection, according to Lichtenwalner. The disease is one of the most common causes of mortality in commercial layer and breeder chickens, but is treatable and not necessarily fatal, the BDN reported. Poor ventilation, respiratory diseases and overcrowding, among other stressors, may contribute to the illness. “It’s not contagious. It’s not going directly from bird to bird, but it’s often being concentrated in the environment because the environment isn’t maintained the way it should be,” said Lichtenwalner. To prevent disease, she recommends keeping nesting boxes and coops clean and collecting eggs with gloves. Other preventative measures include feeding the chickens healthy food, allowing them plenty of movement and exercise and reducing stressors whenever possible, the article states. If a chicken does contract the disease, some owners may want to let it fight the illness on its own, while others may take it to a veterinarian for antibiotics. “The veterinarian can give the farmer good up-to-date information about how to use the drug and how long to wait until you can eat the eggs or meat again,” Lichtenwalner said.

#### **Society of Women Engineers members to participate in STEM outreach event, WABI reports**

**25 Apr 2019**

[WABI](#) (Channel 5) reported members of the University of Maine chapter of the Society of Women Engineers will participate in the Future Women of STEM program offered at the Challenger Learning Center in Bangor 2–5 p.m. April 27. The SWE students will lead a question-and-answer session at the program, which is aimed at girls ages 10 to 15, WABI reported. The free program also will include a Challenger space mission simulation and a chance to learn about biomedical science. Registration is [online](#).

#### **The Statesman interviews Allen about new book on Gandhi**

**25 Apr 2019**

[The Statesman](#) interviewed Douglas Allen, a professor of philosophy at the University of Maine, about his new book, “Gandhi After 9/11.” Gandhi could be a solution to modern problems of terrorism, climate change, economic crises, political instabilities and more, according to Allen, who is considered one of the world’s leading scholars on Gandhian philosophy. Allen “is of the belief that we must look to Gandhi even if ‘selectively’ and ‘creatively’ for a sustainable and non-violent future” and that “Gandhi is more relevant today even if he was imperfect,” according to The Statesman. “Gandhi did not have a blueprint that gives us all the solutions. He was a great human being. But Gandhi made many mistakes. Some were so big that he called them ‘Himalayan blunders,’” said Allen. “In ‘Gandhi After 9/11,’ we find that Gandhi doesn’t have all the answers. We can learn some things from Gandhi but then we are involved with these experiments with truth in our own minds. In many cases we have to go beyond Gandhi.” [Eleven Media Group](#) in Myanmar published the article from The Statesman.

#### **News Center Maine speaks with Shaler, Weiskittel about Maine forest industry**

**25 Apr 2019**

[News Center Maine](#) spoke with Stephen Shaler, a professor and director of the University of Maine School of Forest Resources, and Aaron Weiskittel, a professor of forest biometrics and modeling at UMaine, about how Maine’s forest industry is adapting to a world with a decreased demand for paper products. “Now we are in the era of ecosystems services, so how much carbon does the forest provide? What type of habitat does it provide for various animals and plant species; water quality, and then all the questions around emerging markets, like should we do biofuels versus traditional lumber products?” said Weiskittel. “Wildlife, habitat, carbon, water quality; all of those things now have a monetary value beyond just the fiber.” People from UMaine along with those in the forestry industry, including landowners, loggers and manufacturers, are coming together in a coalition called FOR (Forest Opportunity Roadmap) Maine, News Center Maine reported. In the past year and a half, the industry has seen almost \$1 billion worth of investment, but there is a long road of recovery, innovation and conversation ahead, according to Shaler. “I think one in every 24 jobs in the state is still related to the forest products company; one of every 20 gross domestic product dollars is from the forest products industry. It is huge and impactful. Yes, it is changing, but it is very large and it is not dying. It is evolving,” Shaler said.

#### **Train for coastal habitat observation and research at DMC**

**26 Apr 2019**

“We have data, what could we do with it?” is the theme of second Training for Observation and Research in Coastal Habitats (TORCH) workshop 9 a.m.–4 p.m. April 27 at the Darling Marine Center in Walpole. Topics to be covered at the hands-on data workshop will include data quality control, working with data sets in Excel, statistical methods for evaluating data, mapping programs, making graphs, and using data and freeware available online to support your program. Presentations will center around coastal and estuarine water quality monitoring; the concepts would be useful in other applications as well. Participants are asked to bring a laptop and data, if possible. Data sets will be provided, if needed. Lunch and snacks also will be provided. The DMC and the Damariscotta River Association are hosts. For more information, email [khormton@maine.edu](mailto:khormton@maine.edu). More information and registration are [online](#).

#### **Healthy High to be held April 27, roads closed during race**

**26 Apr 2019**

The 12th annual Healthy High 5k, 10k and 15k races and 1-mile fun run/walk will be held 9 a.m.–1 p.m. April 27 on the University of Maine campus. More than 1,000 runners, walkers, volunteers and spectators are expected to take part in the race that begins and ends at the New Balance Student Recreation Center. Those driving on campus during the race must use caution. The following roads will be closed 6 a.m.–1 p.m.:

- Rangeley Road to Park Street (Bangor Savings entrance)
- Hilltop Road, including the Rec Center, Tennis Court and IMRC parking areas
- Long Road entrance at College Avenue (next to the Alford Arena)

UMaine community members are encouraged to make arrangements to avoid traffic delays. More information about the race, including [registration](#), is [online](#).

#### **UMaine Extension offers training to farmers seeking to grow media presence**

**26 Apr 2019**

University of Maine Cooperative Extension will offer media training for farmers 9:30 a.m.–3:30 p.m. April 29 at Kennebec Valley Community College Harold Alford Campus in Hinckley. The workshop, designed for farmers and others interested in building media relations, will include best practices for working with media, telling a farm’s story in print and on social media, and practical training for interviews. The training may be useful to farms participating in the 30th anniversary of Maine Open Farm Day in July. The \$10 fee includes lunch; registration is required online. For more information or to request a reasonable accommodation, contact Kathy Hopkins, 474.9622; [khopkins@maine.edu](mailto:khopkins@maine.edu).

## **Zooarchaeologist to speak about fisheries, climate change April 29**

**26 Apr 2019**

Elizabeth Reitz, a zooarchaeologist at the University of Georgia and member of the American Academy of Arts and Sciences, will present “A history of fishing along the western Atlantic coast (USA), 2760 BCE–CE 1978: overfishing or climate change?” at 2:30 p.m. April 29 in the Bodwell Lounge on the third level of the Collins Center for the Arts at the University of Maine. Reitz studies faunal remains related to earlier economies and environments, and is well known for her ecological and interdisciplinary work. Her research focuses on data from sites within the portion of the western Atlantic known as the Georgia Bight. The lecture is free and open to the public, and is sponsored by the Hudson Museum, Department of Anthropology, College of Liberal Arts and Sciences and the Graduate School.

## **WAGM, Republican Journal mention UMaine study in report on wild turkey hunting season**

**26 Apr 2019**

[WAGM](#) (Channel 8 in Presque Isle) and the [Republican Journal](#) mentioned a University of Maine study in reports on the beginning of spring hunting season for wild turkey on April 29. UMaine is partnering with the Maine Department of Inland Fisheries and Wildlife and the National Wild Turkey Federation on the three-year study, which is looking at turkey reproductive success and mortality and providing more insight into how wild turkeys interact with the landscape, according to the articles. The results of the study will enable MDIFW to fine-tune its wild turkey management system to address publicly derived turkey management goals across the state. If someone finds a turkey with a band or transmitter, they are asked to contact the number printed on it to help with the research, WAGM reported.

## **Daily Bulldog advances blueberry growing program with Fuller**

**26 Apr 2019**

The [Daily Bulldog](#) advanced a program about how to grow highbush blueberries led by Dave Fuller, an agriculture and nontimber forest products professional with University of Maine Cooperative Extension. The program will be at 6 p.m. May 1 at the Phillips Public Library, and will cover everything from plant choice to pruning, the article states. Part of the Library Seed Loan Program, the event is free and open to the public. For more information, call Hedy Langdon at 639.2665.

## **Phys.org publishes UMaine release on abrupt warming’s effects on lobster**

**26 Apr 2019**

[Phys.org](#) published a University of Maine news release about research on abrupt warming and ocean acidification, and the effect of that combination on lobster. The research was led by Heather Hamlin, a reproductive endocrinologist and associate professor in the UMaine School of Marine Sciences; and Amalia Harrington, a recent marine biology Ph.D. graduate from UMaine. Hamlin and Harrington found that the heart rates of lobsters that lived in water with predicted end-century ocean pH levels for 60 days became erratic significantly sooner during an abrupt warming event than those of lobsters in ocean water with current pH levels, according to the release.

## **The Hill quotes Allan in article on Florida anti-hazing bill**

**26 Apr 2019**

[The Hill](#) quoted Elizabeth Allan, a professor of higher education at the University of Maine, in an article about a new anti-hazing bill that cleared the Florida Senate. “This bill and a number of other state initiatives as well as the federal initiative — the Campus Reach Act — are representing a very strong movement in higher education and in the general public to work to hold people accountable for hazing and to educate them,” said Allan. “Ultimately, it’s about prevention.” Referencing a 2008 study she published along with UMaine professor Mary Madden, Allan said hazing is still more widespread than most people assume, and that it happens not just in Greek organizations and among athletes, but in other clubs and organizations from a capella groups and other performing arts groups to recreational sport clubs and honor societies.

## **Sun Journal previews May shows at Emera Astronomy Center**

**26 Apr 2019**

The [Sun Journal](#) previewed the May show lineup at the University of Maine’s Emera Astronomy Center. Shows will include “Phantom of the Universe” at 7 p.m. May 3, 10, 17, 24 and 31; “Led Zeppelin: The Planetarium Experience” at 9 p.m. May 3, 10, 17, 24 and 31; “Cosmic Colors” at 2 p.m. May 5, 12, 19 and 26; and “We Are Astronomers” from 8 a.m.–5 p.m. May 7. Tickets for all programs are \$6 for adults; \$5 for UMaine students, veterans and senior citizens; and \$4 for children under 12 unless otherwise noted. Tickets are available [online](#), by calling 581.1341, or at the box office prior to the show.

## **News Center Maine quotes Stepp in report on Dining’s ‘Taste of the World’**

**26 Apr 2019**

[News Center Maine](#) quoted Matthew Stepp, York Dining service manager at the University of Maine, in a report on the third and final installment of this year’s “Taste of the World” event at campus dining facilities. York Dining served a dinner menu inspired by the cuisine of Trinidad and Tobago on April 25. The dining hall closed at 2 p.m. to decorate and prepare options including pan-fried vegetable fritters with mango relish, pineapple-glazed chicken and macaroni pie, WABI reported. “We used to do ‘Taste of America,’ focusing on certain areas of America, but we changed it to ‘Taste of the World’ in 2010, giving our multicultural students an opportunity to feel like they’re back at home and giving a chance to the students from America to taste something ethnic,” said Stepp. This is the first year the event has been split into three separate nights; the previous installments featured Egyptian food at Hilltop Dining on April 11 and Peruvian food at Wells Central on April 18.

## **WVII covers vigil for victims of Sri Lanka attacks**

**26 Apr 2019**

[WVII](#) (Channel 7) covered a candlelight vigil for victims of the Sri Lanka Easter Sunday attacks at 5 p.m. April 25 on the steps of Fogler Library at the University of Maine. Students and community members gathered to support one another during this difficult time, the report states. “Whether you’re Muslim, Catholic, Jewish; whether you’re gay, straight; wherever your identity or culture lies; here, we’ve got to push back the dark and we’ve got to extend the lifeline of love,” said Robert Dana, vice president for student life and dean of students at UMaine. The vigil was organized by the Office of International Programs and UMaine’s Sri Lankan community.

## **WVII speaks with Ferrini-Mundy, Gardner in reports on women in leadership**

**26 Apr 2019**

[WVII](#) (Channel 7) spoke with Joan Ferrini-Mundy, president of the University of Maine and University of Maine at Machias, and Susan Gardner, professor of higher education and director of UMaine’s Women’s, Gender, and Sexuality Studies program and the Rising Tide Center, for the two-part report “Breaking Barriers: Women in Leadership.” “The glass ceiling, at least according to the U.S. Department of Labor, is a set of unknown barriers that exist that will hinder particular groups of people from achieving particular levels of employment,” said Gardner, who noted stereotypes can lead to different expectations for women. Record numbers of women are leading their professions, but there is still bias, the report states. One example is the gender pay gap, according to Gardner. “It’s not that anybody can go around and say it’s exactly because of this problem that this is happening. It’s all these combined things. It’s these stereotypes, it’s these implicit biases,” she said. “A problem that has gotten a lot of attention nationally is implicit bias,” said Ferrini-Mundy. “And that is something that we have to all pay attention to and there are all kinds of great training opportunities and ways to be attentive to that.” [Part 2](#) focused on personal stories of the women featured in Part 1. “We talk about pulling ourselves up by our own bootstraps, (but) some of us were born with longer arms,” said Gardner about why it’s important for women to support each other and serve as mentors. But not all role models need to be women. Ferrini-Mundy told WVII that while working toward her degrees in male-dominated STEM fields, many pushed her to exceed her own expectations. “I had a couple of really serious, meaningful, important mentors in my life. One was my graduate student adviser. He was the first person who said, ‘Maybe you should just stay on and get a Ph.D.’ It never occurred to me that I would do that,” Ferrini-Mundy said, adding some advice for young women. “Stay really open to serendipity and to opportunities. You can’t always plan exactly what the next move will be, so be ready for when

some intriguing opportunity comes your way and do something brave with it.”

#### **Tree Street Youth recognizes Ruth Cyr with Heartwood Award**

**26 Apr 2019**

Tree Street Youth Center recognized Ruth Cyr with the 2019 Heartwood Award at the annual “I Am Tree” event held April 24 at Bates College. Cyr, a community education assistant with the University of Maine Cooperative Extension Expanded Food and Nutrition Education Program (EFNEP), has been delivering nutrition education to youth for 23 years. The award recognizes Cyr’s “selfless service to the students at Tree Street Youth,” wrote executive director Julia Sleeper-Whiting in the award letter. She also noted that Cyr’s work “has been a powerful example of commitment and care for our students while teaching them important lessons around nutrition and health.” EFNEP is a nationwide community nutrition education program that focuses on limited-resource families with an emphasis on parents and other adult caregivers who have primary responsibilities of feeding young children, as well as educational programs for youth ages 5–19. It has been in Maine 50 years.

#### **Patent issued to device with potential to detect early symptoms of Alzheimer’s, cognitive impairment**

**26 Apr 2019**

The University of Maine was recently issued a patent, US 10,244,977, for a device that detects brain injury by measuring sleep movement patterns. This technology will be licensed by Activas Diagnostics, a UMaine spin-off company. The invention is a fitted mattress sheet equipped with more than a dozen sensors that will allow it to gather information about a person’s sleep-wake and respiratory patterns while a person is sleeping in the comfort of their own home rather than in a sleep study facility. The SleepMove monitoring system has the potential to detect early symptoms of mild cognitive impairment and Alzheimer’s Disease. The UMaine inventors are Marie Hayes, professor of neuroscience, and Ali Abedi, assistant vice president for research, and professor of electrical and computer engineering. Together, they formed Activas Diagnostics to commercialize the technology. The company has already received Maine Technology Institute funding and last year was awarded \$1 million from the National Institutes of Health Small Business Innovation Research (SBIR) program to continue product and market development. Activas Diagnostics is located in the UpStart Center for Entrepreneurship and participates in UMaine’s business incubation program. The company currently has 10 employees. “Activas Diagnostics’ sleep technology will improve the safety and comfort of home sleep studies for older adults. Our ‘under the sheets’ mattress offers standard actigraphy and novel metrics associated with sleep quality and cognitive loss in early Alzheimer’s and other neurological diseases,” says Hayes. “We are excited that these faculty researchers have decided to start a company to commercialize this technology in Maine that will employ scientists, engineers and businesspeople” says Jake Ward, UMaine vice president for innovation and economic development. Through the funding they have received and the licensing opportunity, their next steps are to complete the ongoing clinical sleep study to test this technology. The results from the home sleep studies on early Alzheimer’s will allow them to then seek approval from the U.S. Food and Drug Administration. The impact of this project reaches beyond Alzheimer’s research. “The real-world experiential learning opportunities provided to UMaine students through this collaboration makes them highly desirable for future employers, while they are fulfilled knowing that their research is helping enhance quality of life for older adults,” says Abedi. Contact: Renee Kelly, [rwkelly@maine.edu](mailto:rwkelly@maine.edu), 207.581.1401

#### **More than 1,500 volunteers expected to take part in 50 service projects on Maine Day**

**29 Apr 2019**

*Editor's note: Due to extensive rain in the past two weeks, the traditional Maine Day oozeball (mud volleyball) game has been canceled and is expected to be rescheduled.* University of Maine community members will take part in a day of service on Maine Day, May 1. As part of the annual spring cleanup tradition, UMaine students, faculty and staff will complete volunteer projects to spruce up campus, enjoy a free barbecue and take part in a meal-packing event and other philanthropic activities. A parade featuring student organizations, residence hall groups, fraternities and sororities, as well as faculty and staff will kick off the day at 8:30 a.m. The parade will start at the Emera Astronomy Center and travel around campus before ending on the Mall. Those participating in the parade are encouraged to follow this year’s “Nautical” theme. Parade registration is [online](#) until 5 p.m. April 29. Trophies will be awarded for the best campus department and student organization parade entries. After the parade, more than 1,500 volunteers are expected to complete about 50 projects, including gardening, picking up litter and painting at various locations on and near campus. Student groups will lead many projects, such as Alpha Gamma Rho fraternity members helping the Old Town Recreation Center prepare its baseball field for the season; Alpha Sigma Phi partnering with Down East Emergency Medicine Institute (DEEMI) to clean and stock search and rescue vehicles; the women’s soccer team raking and weeding the blueberry garden outside the New Balance Student Recreation Center; School of Forest Resources staff and students cutting wood and delivering it to the Waldo County Woodshed; and members of the UMaine Office of Veterans Education and Transition Services, MBS Corps and Army and Naval ROTC cleaning and planting around the Class of 1945 Memorial sculpture outside Memorial Union. Off-campus community projects include summer planting prep at Rogers Farm in Old Town, winter cleanup and redesign of the Orono Community Garden behind the Orono Public Library, and picking up litter along the banks of the Stillwater River. This year also marks the third [Maine Day Meal Packout](#). In food-packing events, campus and community volunteers box meals that are donated to food banks and community organizations that provide food for people in need. The event will be held 9 a.m.–noon in the Memorial Gym. It is organized by UMaine students, primarily those from the Honors College. The goal is to pack at least 65,000 meals. Donations are being accepted [online](#). Last year, more than 300 volunteers helped pack 85,536 meals. In 2017, UMaine surpassed Harvard University to set a record for the most meals — 107,500 — packed by a New England university during one event. A list of projects, including the meal-packing event, is available on the Bodwell Center for Service and Volunteerism [website](#). Volunteers are still welcome for many projects. Online registration is open until the end of the day April 29. In-person registration for remaining projects will be available beginning at 9 a.m. May 1 on the Mall (or in the Memorial Union in the event of rain). Projects will continue until the annual Maine Day barbecue from noon to 1:30 p.m. in the Steam Plant Lot. The rain locations for the barbecue are Hilltop Dining, Wells Central and York Dining. Several student organization philanthropy events also will take place in the lot, including the football team’s bone marrow drive, Golden Key International Honour Society’s dunk tank, Alpha Omicron Pi and Pi Kappa Phi pie-in-the-face booths, Tau Delta and Tau Kappa Epsilon’s car bash, and the St. Baldrick’s head-shaving event hosted by UMaine Circle K. UMaine Student Government will host Maine Day Fest 5–7 p.m. on the Mall, featuring free fare from several food trucks, lawn games and live music. Following Maine Day Fest, Kickin’ Flicks will present “Aquaman” at 8 p.m. on the Mall (or the North Pod of Memorial Union in the event of rain). Students are invited to bring a lawn chair or blanket and enjoy free snacks provided by Campus Activities and Student Engagement (CASE). President Arthur Hauck inaugurated Maine Day in 1935. It is traditionally held on the last regular Wednesday of the spring semester. To allow students to participate in volunteerism, classes are canceled, with the exception of classes and labs that meet once per week. Funding for Maine Day is provided by the UMaine President’s Office, Division of Student Life, Vice President for Administration and Finance, Facilities Management and Black Bear Dining. More about Maine Day is [online](#). Contact: Elyse Catalina, 581.3747

#### **UMaine Alpha Sigma Lambda honor society ceremony April 30**

**29 Apr 2019**

The University of Maine Bachelor of University Studies (BUS) chapter of Alpha Sigma Lambda, a collegiate honor society, is celebrating its 20th anniversary during its annual induction ceremony at 5:30 p.m. April 30 in Harmon Room of Chadbourne Hall. Top students in the adult learner program are invited for membership. Alpha Sigma Lambda is dedicated to the advancement of scholarship and recognizes high scholastic achievement in an adult student’s career. All student, faculty and staff members of Alpha Sigma Lambda are invited to attend the ceremony. To RSVP, contact BUS program director Barbara Howard at [howard@maine.edu](mailto:howard@maine.edu). More information about the Bachelor of University Studies program is [online](#).

#### **Free Advancing Women in Academia conference May 16 in Bangor**

**29 Apr 2019**

The free networking conference Advancing Women in Academia will be held 8:30 a.m.–3:30 p.m. May 16 at Hilton Garden Inn in Bangor. The theme of the eighth annual event is “Women in Leadership: Skill Building.” All are welcome to join academic colleagues from across Maine to learn strategies for advancing gender equity and enhancing roles of women in academia. Discussion groups and afternoon workshop topics include:

- Academic Service and Women: Establishing Boundaries
- Documenting Teaching Excellence
- Multi-layered Mentoring: Helping Women Help Each Other
- Women and Technology: Enhancing Roles for Women in Computer Science

In addition to the Rising Tide Center at the University of Maine, sponsors include Colby College, Eastern Maine Community College, Husson University, University of New England, and University of Maine at Machias. Continental breakfast and lunch will be provided. Online registration is required on or before May 7. To request a reasonable accommodation, call Joan Perkins, 581.3494.

#### **UMaine Veterans Services offering suicide prevention training**

**29 Apr 2019**



The University of Maine's Veterans Education and Transition Services is sponsoring a veteran-specific Gatekeeper training from 10 a.m.–noon April 30 in the Bangor Room of the Memorial Union. Anyone interested in supporting veteran suicide prevention is welcome. Led by Tracy Charette and Yvonne “Evie” Laine of the VA (Veterans Affairs) Maine Suicide Prevention Team, the training is free and open to the public. Topics will include general understanding of the scope of suicide within the United States, veteran-specific risks, identifying a veteran at risk for suicide, and available resources.

#### **Patent issued to device that detects brain injury through sleep movement, Medical Xpress reports**

**29 Apr 2019**

[Medical Xpress](#) published a University of Maine news release announcing UMaine was recently issued a patent for a device that detects brain injury by measuring sleep movement patterns. The technology will be licensed by Activas Diagnostics, a UMaine spinoff company. The invention is a fitted mattress sheet equipped with more than a dozen sensors that will allow it to gather information about a person's sleep-wake and respiratory patterns while a person is sleeping at home instead of in a sleep study facility. The SleepMove monitoring system has the potential to detect early symptoms of mild cognitive impairment and Alzheimer's disease. The UMaine inventors are Marie Hayes, professor of neuroscience, and Ali Abedi, assistant vice president for research and professor of electrical and computer engineering. [ECN](#) also published the release.

#### **Daily Bulldog advances UMaine Extension tree pruning workshop**

**29 Apr 2019**

The [Daily Bulldog](#) reported the University of Maine Cooperative Extension will offer an apple tree pruning workshop 5–7 p.m. May 6 at the UMaine Extension office in Farmington. David Fuller, an agriculture and nontimber forest products professional, will lead the class. The lecture will be followed by a hands-on demonstration, according to the article. Registration is [online](#).

#### **Lancaster Farming speaks with Koehler about AgEye Weather**

**29 Apr 2019**

[Lancaster Farming](#) spoke with Glen Koehler, an associate scientist of integrated pest management with University of Maine Cooperative Extension, for an article about AgEye Weather, a site-specific weather forecasting service developed by Koehler and now being tested by 80 New England apple growers. Koehler said orbital earth observing/weather satellites, GPS and other developing technologies are part of a complex array of devices providing farmers with location-specific data that can be used to inform irrigation, fertilizer application and as part of an integrated pest management system. Koehler takes pages of data points including apparent temperatures, wind speeds, cloud cover percentages, soil temperature and more, and inputs them into forecasting models, the article states. “We’re doing this at 80 (apple orchard) sites now. We haven’t started charging for the report; we’re still in the free trial period,” said Koehler. The service has been operational for a couple of months, and Koehler plans a public launch for the near future. He also hopes to expand the system to other fruits, vegetables, grains and more, according to the article.

#### **Brawley writes BDN op-ed on rockweed**

**29 Apr 2019**

University of Maine alumna Jessica Muhlin, an associate professor of marine biology at Maine Maritime Academy, and Susan Brawley, a UMaine professor of plant biology and marine sciences, wrote an opinion piece for the [Bangor Daily News](#) titled, “Science should be heeded: Rockweed is not a plant.”

#### **Republican Journal, The Free Press preview insect talk with Drummond**

**29 Apr 2019**

The [Republican Journal](#) and [The Free Press](#) previewed a talk by Frank Drummond, a professor of insect ecology and insect pest management at the University of Maine, at 6:30 p.m. May 16 at the Belfast Free Library. The talk will ask the question, “What happens if insects disappear?” and will focus on the latest research and what can be done to help declining insect populations, according to the articles. The talk is free and open to the public, and is sponsored by the Belfast Bay Watershed Coalition.

#### **Bisson recent guest on Maine Public's ‘Maine Calling’**

**29 Apr 2019**

Beth Bisson, associate director and extension program leader of the University of Maine's Maine Sea Grant, was a recent guest on [Maine Public's](#) “Maine Calling” radio show. The show focused on nature appreciation, phenology, science education and citizen science, as well as the signs of spring and how to get involved with your natural surroundings.

#### **Yarborough quoted in Press Herald article on Maine blueberry industry**

**29 Apr 2019**

The [Portland Press Herald](#) spoke with David Yarborough, a wild blueberry specialist with University of Maine Cooperative Extension, for the article, “Tough times for blueberry growers reflect global struggles.” Maine is the only state with a commercial wild blueberry crop, and for generations Maine berries have dominated the frozen market, the article states. But in recent years, massive wild blueberry harvests in Canada and a booming market for frozen cultivated blueberries eroded Maine's prominence, the Press Herald reported. Less than 20 years ago, Maine and Canada each produced about 75 million pounds. In 2017, Canada produced 206.4 million pounds, more than three times Maine's yield, according to UMaine records. In the same year, farmers from the U.S. and Canada harvested 259 million pounds of cultivated berries to freeze. Yarborough, who has studied wild blueberries for 40 years, agrees things look grim for the industry right now, but context is important. Maine's wild blueberry industry has persisted despite repeated downturns and spells of bad weather. Even with the average price so low, some farmers are still getting a good return from their fields, and the surplus from a few years ago has been depleted, Yarborough said. “Agriculture is up and down, when you are farming for the long term,” he said. “There are still a lot of fields out there that are in good shape, there may be opportunities. We will come back out of it, with the industry looking different.” The [Kennebec Journal and Morning Sentinel](#) and [The Times Record](#) also published the Press Herald report.

#### **Bowen speaks with WABI about upcoming food safety class**

**29 Apr 2019**

Laurie Bowen, a community education assistant with University of Maine Cooperative Extension, visited the studio of [WABI](#) (Channel 5) to speak about an upcoming food safety course. UMaine Extension will offer “Cooking for Crowds — Food Safety Training for Volunteer Cooks” at 5 p.m. May 9 at the UMaine Extension in Bangor. Bowen will host the workshop, which offers up-to-date information on how to handle, transport, store and prepare foods safely for large group functions, WABI reported. Participants will receive a manual designed for volunteer cooks, a certificate of attendance, posters and a meat thermometer. The cost is \$15 per person for the class, which meets the Good Shepherd Food Bank safety training requirements. Registration is [online](#).

#### **Comins recent guest on BBC's ‘The Curious Cases of Rutherford & Fry’**

**29 Apr 2019**

Neil Comins, a professor of physics and astronomy at the University of Maine, was a recent guest on [BBC Radio's](#) “The Curious Cases of Rutherford & Fry” program. The episode's topic was what life would be like if the Earth had two moons.

#### **The Guardian quotes Blackstone in article on Joe Biden, Anita Hill**

29 Apr 2019

[The Guardian](#) quoted Amy Blackstone, a professor of sociology at the University of Maine, in the article “Joe Biden’s non-apology to Anita Hill casts long shadow over 2020 run.” Blackstone conducted a long-running study of views on sexual harassment that surveyed people in their early 20s at the time of the 1991 Clarence Thomas confirmation hearings, chaired by Biden, in which Hill presented sexual harassment allegations against Thomas, her supervisor. “It’s really interesting how many of them noted, without being prompted by me at all, the Thomas hearings as sort of this turning point for them in their consciousness about workplace sexual harassment,” said Blackstone. “I don’t think that cohort from our sample is unique in any way, at least in that respect. Certainly it was a turning point for many people in the country in terms of our awareness about harassment as an issue, and about the reality that for many women, they’re not alone in that experience.” In public statements and speeches, Hill has repeatedly called for a better process for handling the testimony of victims of sexual violence, the article states. “Anita Hill really has been just such an amazing leader in terms of speaking out about harassment and getting us to think more deeply about the impact that it has on people,” Blackstone said.

#### The Bond Buyer interviews Hecker about Flagship Match program

29 Apr 2019

[The Bond Buyer](#) spoke with Jeffrey Hecker, executive vice president for academic affairs and provost at the University of Maine, for an article about the university’s Flagship Match program. The out-of-state tuition discount program began in 2016 with the goal of turning around declining revenue and enrollment, the article states. “It’s a win for the state and a win for the university. It has been very successful in bringing out-of-state students to the University of Maine,” Hecker said. Academically qualified students from selected states pay the same tuition and fee rate as their home state’s flagship institution. Hecker noted the program increased UMaine’s number of first-year students from Massachusetts by 75 percent when it was implemented in the fall 2016 semester. Since then, the total out-of-state, first-year enrollment percentage has risen from 35 percent to 46 percent. Maine’s population is the oldest in the United States, which has resulted in workforce shortages for certain industries, the article states. “The reality is that with the demographics there are fewer and fewer high school graduates. Without something dramatic changing there will be fewer and fewer 18- to 24-year-olds and that is not good for the University of Maine or the state,” said Hecker. He and other university officials hope the Flagship Match program will encourage out-of-state students to stay in Maine after graduation, The Bond Buyer reported.

#### Blackstone earns Feminist Activism Award from Sociologists for Women in Society

29 Apr 2019

For her outstanding feminist advocacy and use of sociology to improve conditions for women, Amy Blackstone will receive the Sociologists for Women in Society Feminist Activism Award. The professor with the University of Maine Margaret Chase Smith Policy



Center and Department of Sociology researches childlessness and the childfree choice, workplace harassment and civic engagement. [caption id="attachment\_66832" align="alignright" width="223"] Amy Blackstone[caption] Her findings have been published in multiple journals, including *Gender & Society*, *American Sociological Review*, *Law & Society Review* and *Sociology Compass*. She has also written the book “Childfree by Choice: The Movement Redefining Family and Creating a New Age of Independence.” Blackstone and her work also have been featured in *The New York Times*, *The Washington Post*, *BuzzFeed*, *USA Today*, *HuffPost*, “Katie” and on public radio. Heather McLaughlin, assistant sociology professor at Oklahoma State University, says Blackstone makes a difference in the lives of women beyond scholarship — as a mentor, teacher, administrator and community member. She has been a positive force in McLaughlin’s life since 2004 when McLaughlin was an undergraduate at UMaine. “I would soon learn that Amy is a brilliant sociologist and a powerful activist, but she was important to me even before I knew these things about her. She was warm, kind, enthusiastic and patient — qualities that allowed me to open up about my concerns and struggles as a first-generation college student. Amy was incredibly generous with her time and invested in me in a way that no other professor had,” says McLaughlin. “She was (and continues to be) there to listen, to brainstorm, and to offer expertise. Simply put, Amy’s mentorship has made me a better teacher, researcher, feminist and human. Amy instilled a passion for social science research and activism, but her mentorship also gave me the confidence to believe in myself and pursue a career in academia.” Susan Gardner, who directs the University of Maine Rising Tide Center, says Blackstone’s scholarship reflects her values as an academic citizen, colleague and collaborator. “She is devoted to creating change through the work she does and inspires excellence among all with whom she works,” says Gardner. “As a long-term collaborator of Dr. Blackstone’s, I have found her ability to work across disciplinary boundaries and navigate differences in disciplinary methodologies to be another one of her scholarly gifts. Most important, Dr. Blackstone uses the work she creates in the larger public sphere to foment change and make a difference. To me, this is the pinnacle of academic excellence.” Andrea Irwin, director of the Mabel Wadsworth Center, appreciates that Blackstone is an exemplary supporter, friend and champion of the not-for-profit center. She has lent valuable expertise, energy, time and connections to ensure it fulfills its mission of providing health care using a feminist model focused on sexual and reproductive health through education, advocacy and clinical services. “Amy has leveraged her local reputation and profile to bring awareness to the center and invite others to learn more about our work by speaking publicly about the center or co-hosting events,” says Irwin. “Most important, while her role at the university and national reputation as a feminist thought leader grows, she continues to hold space for community organizations like ours that are on the ground working to improve the lives of women and girls.” Blackstone, who will accept the award at the 2019 SWS Awards Reception on Aug. 11 in New York City, has been interested in what motivates people to do good in the world since she was a child. Growing up in a home where volunteering was expected, Blackstone says as a teenager, she sometimes resented the expectation. But even then, her parents’ compassion and activism were sources of pride — and curiosity — for her. As a college undergraduate, Blackstone says she fell into the sociology major mostly by accident. And when she left college, she declared she never would set foot on a college campus again. But several years later, disillusioned with the for-profit business world in which she was working, Blackstone went to graduate school with the hope that she would find her passion. “I sure did,” she says. Blackstone found she could study questions she’d had her whole life. She also “discovered a love for teaching and the feeling that I could make a positive difference in students’ lives, and I’ve never looked back.” She also discovered public sociology — the application of sociological theories and research to matters of public interest. “I loved this idea and have since been totally jazzed about bringing sociological knowledge to conversations about topics, problems and questions that interest both sociologists and others interested in social problems and their solutions,” Blackstone says. For her dissertation, she examined how activists and volunteers think about their social change efforts and how their own social locations, particularly their class status and gender, shape opportunities available to them to make change and how they describe their activism. A bonus of Blackstone’s chosen method of data collection — participant observation — was she got to be an activist/volunteer in movements she studied (breast cancer and anti-rape). “My involvement in those movements, along with the model my parents had set for me my entire life, planted the seeds to want to use sociological knowledge to help improve women’s lives and circumstances,” she says. Blackstone will deliver a Feminist Activism Talk at the 2020 SWS Summer Meeting in San Francisco. Contact: Beth Staples, 207.581.3777

#### Mechanical engineering seniors to showcase projects at May 1 open house

30 Apr 2019

Mechanical engineering students at the University of Maine will showcase their senior capstone projects May 1. The Mechanical Engineering Capstone Open House will be held 10 a.m.–1:30 p.m. at Crosby Hall. Members of the UMaine community are welcome to learn more about the projects and enjoy a cookout. Projects to be displayed include an ice core container, infinite 3D printer, robotic knee brace, self-cleaning upweller, self-leveling car seat and sensor development, in addition to land drones, blimps, human-powered vehicles, water bikes and unmanned aerial vehicles. For more information, contact Alex Friess at [wilhelm.friess@maine.edu](mailto:wilhelm.friess@maine.edu), 581.2122.

#### Maine NEW Leadership to celebrate 11th year with reception May 31

30 Apr 2019

University of Maine President Joan Ferrini-Mundy will be the keynote speaker at the Maine NEW (National Education for Women) Leadership networking and fundraising reception at 4 p.m. May 31 at Schoodic Institute in Winter Harbor. The event will celebrate the 11th year of the University of Maine Margaret Chase Smith Policy Center’s program. Maine NEW Leadership was developed to address the under-representation of women in politics. It’s designed to educate and empower young leaders by honing skills necessary to become the next generation of effective civic and political leaders. More information about Maine NEW Leadership is [online](#). Anyone unable to attend who would like to make a gift may do so [online](#) or by calling 581.1148 or 866.578.2156. For more

information, or to request a reasonable accommodation, contact Susan D'Angelo, 581.1648, [susan.dangelo@maine.edu](mailto:susan.dangelo@maine.edu).

## **Mechanical engineering technology students to present capstones May 1**

**30 Apr 2019**

A total of 30 University of Maine students in the Mechanical Engineering Technology (MET) program will present eight senior capstone design projects on Maine Day. From 9 a.m.–3 p.m. May 1, students will showcase their final projects in Bennett Hall, Room 137. All presentations are open to the public. Scheduled presentations:

- 9–9:30 a.m. “Scaled tower crane.” The main objective of the project is to repair and improve the tower crane that was designed by MET seniors last year. The secondary objective is to design and fabricate a scaled-crawler crane that can be mounted onto a barge or crawler tracks attachment. The cranes will be used as an educational tool and must replicate the operations of a crane as realistically as possible.
- 10–10:30 a.m. “Steam pump restoration.” The steam pump restoration team’s goal is to restore a Westinghouse cross-compound steam pump into working order for New England Steam Corporation.
- 10:30–11 a.m. “Motion deck.” The project encompasses updating a current prototype of an ergonomic sitting device, analyzing possible design solutions, and manufacturing 20 units.
- 11–11:30 a.m. “3D-printed Stirling engine.” The team has been tasked with manufacturing an operational Stirling engine to demonstrate the capability and practicality of additive manufacturing of metals compared to conventional subtractive manufacturing.
- 1–1:30 p.m. “Paper reel rewinder.” The aim of the project is to create a paper slitter to remove unusable paper from a cardboard core without damaging it. The paper can then be recycled into tissue paper and the core can be reused.
- 1:30–2 p.m. “Continuous-bed 3D printer.” The task is to design and implement a method of allowing a 3D printer to effectively print infinitely in one direction.
- 2–2:30 p.m. “Human-powered vehicle.” The team’s goal is to produce a cheap and efficient human-powered vehicle with the comforts of a car and the simplicity of a bicycle.
- 2:30–3 p.m. “Human-powered hydrofoil.” The objective is to create a fully functional human-powered hydrofoil bicycle for a competition against other mechanical engineering capstone teams.

More information on the projects is available [online](#) or by contacting Brett Ellis at 581.2134, [brett.ellis@maine.edu](mailto:brett.ellis@maine.edu); or Keith Berube at 581.2342, [keith.berube@maine.edu](mailto:keith.berube@maine.edu).

## **Healthy High road races covered by WABI**

**30 Apr 2019**

[WABI](#) (Channel 5) reported on the University of Maine’s 12th annual Healthy High 5k, 10k and 15k races and 1-mile fun run/walk. “We had a great turnout for the rain,” said race director Lauri Sidelko. “We had a torrential downpour, but people had great attitudes and a really good time.” Proceeds benefit the Student Wellness Resource Center and Bodwell Center for Service and Volunteerism.

## **Lobster Institute statistics cited in Epoch Times article on blue crustacean**

**30 Apr 2019**

[The Epoch Times](#) cited statistics from the Lobster Institute at the University of Maine in a report on a blue lobster caught off the west coast of New Quay, Wales. It’s impossible to say exactly how rare blue lobsters are, according to the article; however, one in two million are the odds that have been widely touted in the media. The UMaine Lobster Institute has corroborated these odds as well, the article states, citing a [BBC](#) interview with Bob Bayer, the former executive director of the institute. The odds are just a “guess,” though, Bayer said.

## **WABI previews student-led Maine Day Meal Packout**

**30 Apr 2019**

[WABI](#) (Channel 5) reported University of Maine students are preparing for the annual Maine Day Meal Packout on May 1. In food-packing events, campus and community volunteers box meals that are donated to food banks and community organizations that provide food for people in need. The event will be held 9 a.m.–noon in the Memorial Gym. The goal is to pack at least 65,000 meals and to raise awareness of food insecurity in Maine. “It’s really important to get people more aware of this hunger epidemic in Maine,” said UMaine student Emma Hutchinson. “Maine is the ninth worst state in the country for food insecurity. So to get friends and neighbors together, aware of this problem, and working together to help it in any way is just so huge.” Donations are still being accepted. Checks can be made out to the University of Maine and sent to 5727 Estabrooke Hall, Room 146, Orono.

## **New York Times quotes Calderwood in report on crops affected by climate change**

**30 Apr 2019**

Lily Calderwood, a University of Maine Cooperative Extension wild blueberry specialist and assistant professor of horticulture, was interviewed by [The New York Times](#) for the article, “From apples to popcorn, climate change is altering the foods America grows.” Higher temperatures and altered growing seasons are making new crops possible in places where they weren’t before, but that same heat is also hurting traditional crops, according to the article. Early rains, unexpected droughts and late freezes leave farmers uncertain over what comes next, NYT reported, citing 11 everyday foods from around the country that are facing changes. The wild blueberry has long been an essential player in Maine agriculture, but unpredictable weather is challenging the 44,000 acres where the commercial low-bush berries grow. The season has stretched out four weeks longer, and summers are becoming warmer, the article states. Temperatures last year reached an unprecedented 95 degrees, according to Calderwood. Frosts are becoming erratic, too. A frost in the spring can kill blossoms that would have become fruit. “We didn’t used to have these unpredictable events,” Calderwood said. “We could rely on gradual and reliable growing seasons. Now it’s all starting to skip around, and these frost events come out of the blue.” Many smaller growers, some tending fields that are 100 years old, don’t irrigate, but that expensive step may be necessary as drought becomes more of a problem, according to the article.

## **WABI interviews Hamlin, Harrington about lobsters in acidic water**

**30 Apr 2019**

[WABI](#) (Channel 5) spoke with University of Maine professor Heather Hamlin and recent marine biology Ph.D. graduate Amalia Harrington about their research that found ocean acidification and warming may be an unhealthy combination for lobsters. The researchers found heart rates of lobsters who lived 60 days in water with predicted end-century ocean pH levels became erratic significantly sooner during an abrupt warming event than those of lobsters in ocean water with current pH levels. “I think the take-home message is not that our lobster population is on the verge of collapse, but I think what we do need to do is sort of pay attention because as our oceans become more acidic — sort of like humans, we get run down or stressed, we may be more vulnerable to things like colds — we really have to pay more attention to our lobster populations, too,” said Hamlin, a reproductive endocrinologist and associate professor in the School of Marine Sciences. “So, as the oceans become more acidic, we just have to be more vigilant in watching them for things like disease emerging.” [WMTW](#) (Channel 8 in Portland) also carried the WABI interview.

## **Grace Smith, Alan Baez awarded Barry Goldwater Scholarships**

**30 Apr 2019**





[caption id="attachment\_66861" align="alignright" width="225"]

Grace Smith and Alan Baez[caption] University of Maine juniors Grace Smith and Alan Baez have been awarded Barry Goldwater Scholarships for demonstrating

exceptional promise of becoming next-generation research leaders in engineering, mathematics or natural sciences. Each will receive as much as \$7,500 for tuition, books and room and board. Smith, a junior from Holden, Maine, is a molecular and cellular biology and biochemistry double major with a minor in computer science. She also is in the Honors College. This summer, the Brewer High School graduate will intern at Washington University in St. Louis through the Amgen Scholars Program, which provides opportunities to undergraduates worldwide to participate in cutting-edge research opportunities at world-class institutions. Smith has been conducting laboratory research since her junior year of high school. Her current research under Benjamin King, UMaine assistant professor of bioinformatics, seeks to identify novel regulatory genes that modulate phenotypic severity in muscular dystrophy. Last fall, she presented her work at an undergraduate research symposium at Harvard University. Smith also has interned at Novartis Institute for BioMedical Research in Cambridge, Massachusetts through the Novartis Scientific Summer Scholars Program. She recently was inducted into the All Maine Women Honor Society, which recognizes distinguished leadership, scholarship and service to the university and campus community. Smith is a volunteer coach for a Girls on the Run Team in Hampden. The marathon runner also is a member of the UMaine Club Track and is vice president of the Maine Society for Microbiology. Smith plans to pursue a dual M.D./Ph.D. degree and become a principal investigator in a private or academic research laboratory, exploring the role of regulatory genes in cardiac regeneration and disease. In addition to King, her faculty mentors are Jason Thomas, Sally Molloy, Eric Gallandt, Angela Myracle, Jennifer Lipps and Sonja Birthisel. Baez, a 2016 Waterville Senior High School graduate, is a biochemistry major. The 2016 Mitchell Scholar also is in the Honors College. He has been conducting toxicology research in the lab of Julie Gosse, an associate professor of biochemistry, since his sophomore year at UMaine. Last year, he was awarded a Maine INBRE (IDeA Network of Biomedical Research Excellence) Summer Fellowship to study effects of the antimicrobial triclosan on the plasma membrane potential of mast cells. Baez presented this research at the Society of Toxicology Annual Meeting and ToxExpo in Baltimore. This summer, he'll participate in The Jackson Laboratory Summer Student Program, designed for scholars who want to be immersed in genetics and genomics research. Baez plans to earn his bachelor's, doctorate and post-doctorate degrees and become a principal investigator at a nonprofit or academic research institution, conducting independent research in toxicology or genomics in his own laboratory. "I would like to thank Dr. Julie Gosse for providing me with the research experience that allowed me to earn this fellowship," says Baez. "I would also like to thank Dr. (Robert) Wheeler and Nives Dalbo-Wheeler for providing the guidance that allowed me to craft a successful application. I am incredibly excited to see the opportunities that being a Goldwater Scholar might bring." In addition to Gosse, Baez's faculty mentors are Molloy, King, Juyoung Shim, Keith Hutchison, Suraj Sangroula and Melody Neely. Wheeler, associate professor of microbiology, is the UMaine campus representative for the scholarship. Smith and Baez received application support from the Office of Major Scholarships in Fogler Library. The office has more information about the Goldwater Scholarship and other scholarship opportunities on its [website](#). In 1986, Congress established the Barry Goldwater Scholarship and Excellence in Education Foundation to honor the work of Sen. Barry Goldwater, who served the country for 56 years as a soldier and statesman, including 30 years in the U.S. Senate. Since 1989, the Goldwater Foundation has awarded scholarships totaling more than \$68 million to 8,628 students. Goldwater Scholars have been awarded 92 Rhodes Scholarships, 137 Marshall Awards, 159 Churchill Scholarships, 104 Hertz Fellowships, and other distinguished awards, including National Science Foundation Graduate Research Fellowships. For additional information, the Goldwater Foundation [release](#) is online, as is a list of scholarship [recipients](#) from each state. Contact: Beth Staples, 207.581.3777

#### NASA manager and Old Town native Bridget Ziegelaar to give UMaine Commencement address

30 Apr 2019



Bridget Ziegelaar[caption] Bridget Ziegelaar, the operations manager for NASA's International Space Station (ISS) Research Integration Office, is the University of

Maine Commencement speaker for the May 11 ceremonies. The Old Town native and UMaine alumna will address both morning and afternoon ceremonies of the 217th Commencement in Alford Sports Arena. "Bridget Ziegelaar is a role model and leader whose

talents have contributed to NASA's success for the past two decades," says University of Maine President Joan Ferrini-Mundy. "This community and the state of Maine are extremely proud of her achievements, and we look forward to welcoming her back to her alma mater to share perspectives on a career that has taken her to such great heights." In her role as operations manager for NASA's ISS Research Integration Office, she is responsible for leading process improvements to maximize ISS research and development, and enabling commercialization of low Earth orbit through the facilitation and support of nongovernment activities utilizing ISS. Ziegelaar began her career at NASA as a graduate student intern in the Office of External Relations at NASA headquarters in Washington, D.C. After accepting a cooperative education position at the Johnson Space Center in Houston, Texas, she worked in the Mission Operations Directorate Space Station Thermal Systems Group, becoming a full-time NASA employee in 1998. For three years, Ziegelaar worked as a thermal systems flight controller, supporting flight operations in Mission Control for several Space Shuttle missions to ISS. In 2001, she moved to the Extravehicular Activity (EVA) Office, where she was designated as the STS-114 EVA flight manager, responsible for all aspects of spacewalk integration. Following the Space Shuttle Columbia accident in 2003, Ziegelaar became the lead EVA Office representative on the team chartered to develop critical repair techniques for the Space Shuttle's reinforced carbon-carbon (RCC) thermal protection system. She continued to manage spacewalks, leading efforts for five additional ISS assembly missions encompassing 15 spacewalks. In 2011, Ziegelaar transitioned to the ISS Program Office, where she has held various leadership and supervisory roles, including managing programmatic and technical integration of scientific and technological payloads for operation on ISS. She served as the increment manager for ISS Expedition 54, managing daily real-time programmatic integration of ISS operations in Mission Control before joining the ISS Research Integration Office in 2018. The Old Town High School graduate received a bachelor's degree in mechanical engineering from UMaine and a master's degree in science, technology and public policy from George Washington University. Her many honors include the NASA Exceptional Achievement Medal, and multiple Space Shuttle Mission Superior Accomplishment awards. Ziegelaar was a Space Flight Awareness Launch Honoree and a Spirit of Maine Achievement Award recipient. Contact: Margaret Nagle, 207.581.3745

#### New Media Night 2019 to showcase student work May 3

01 May 2019

Step into a bee swarm, travel back in time, or shrink down to the size of an ant in works of augmented and virtual reality created by seniors in the University of Maine's new media program. "Venture Forth: New Media Night 2019" will be held at the Innovative Media Research and Commercialization Center from 5-7 p.m. May 3. The event also will showcase student-created interactive audio installations, artificial life, and campaigns to promote mental and physical health. For more information, email Jon Ippolito at [jippolito@maine.edu](mailto:jippolito@maine.edu), or visit the new media [website](#).

## Follow a Researcher® highlights UMaine student studying iceberg melt

01 May 2019

Maine 4-H Follow a Researcher® returns for a sixth season with University of Maine graduate student researchers. From 1–2 p.m. May 2, UMaine Earth and climate sciences master's student Mariama Dryak will be available on Twitter to chat with students and teachers about her studies using satellites to track iceberg melt in Antarctica. Dryak will be online to answer questions about her research, the research process, life at UMaine, and other questions participants may be curious about. Her current research involves using satellite imagery to measure how icebergs are melting around Antarctica. Measuring iceberg melt can help improve understanding of changing ocean conditions, including temperature and velocity, and how these changes might affect glacier systems on nearby land. Melting glaciers can affect ocean circulation, marine ecosystems and sea level rise. Participants can join the latest expedition by signing up online; live Twitter sessions use the hashtag #UMaineFAR. Informational videos and updated tweets from @UMaineFAR also are available. Follow a Researcher®, a University of Maine Cooperative Extension 4-H program, uses social media to connect teachers and students with UMaine graduate students to promote curiosity and learning about science and scientific research. For more information or to request a reasonable accommodation, call 581.3292 or email [gregory.kranich@maine.edu](mailto:gregory.kranich@maine.edu).

## UMaine to recognize Holocaust Remembrance Day May 2

01 May 2019

The University of Maine will recognize Holocaust Remembrance Day at noon May 2 at the Dr. Martin Luther King Jr. and Coretta Scott King Memorial Plaza behind Memorial Union. The event will correspond with national and international events, and remarks will be given. In Hebrew, Holocaust Remembrance Day is called Yom Hashoah. In the United States, Days of Remembrance run from the Sunday before Yom Hashoah through the following Sunday; April 28–May 5 this year. The theme of the Holocaust remembrance and education activities this year is “Holocaust Remembrance: Demand and Defend Your Human Rights.” This theme encourages youth to learn from the lessons of the Holocaust, act against discrimination and defend democratic values in their communities. For more information, email [wilsoncenterorono@gmail.com](mailto:wilsoncenterorono@gmail.com) or [multiculturalstudentlife@maine.edu](mailto:multiculturalstudentlife@maine.edu).

## Sun Journal cites Tick ID Lab in report on Lyme Disease Awareness Month

01 May 2019

The University of Maine Cooperative Extension Tick ID Lab was mentioned in a [Sun Journal](#) article about May being Lyme Disease Awareness Month. The Maine Center for Disease Control and Prevention has issued a reminder that everyone be “tick aware and tick alert,” especially as the days get warmer, the article states. The lab, located in the new UMaine Extension Diagnostic and Research Laboratory in Orono, offers identification and testing services, as well as educational material [online](#). [Kennebec Journal and Morning Sentinel](#) also published the Sun Journal article.

## Abedi, Kelly, Hayes quoted in media articles on medical device that can detect Alzheimer's

01 May 2019

The [Bangor Daily News](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported on a medical device created by a University of Maine spinoff company that detects brain injury by measuring sleep movement patterns. Safe Rest is a fitted mattress sheet equipped with more than a dozen sensors using the SleepMove monitoring system that will allow it to gather information about a person's sleep-wake and respiratory patterns while they are sleeping at home instead of in a sleep study facility. The monitoring system has the potential to detect early symptoms of mild cognitive impairment and Alzheimer's disease. UMaine was recently issued a patent for the device, which will be licensed by Activas Diagnostics. This piece of fabric is the culmination of 10 years of research and development by UMaine professors Ali Abedi and Marie Hayes, the BDN reported. “The beauty of this technology is that it's very simple,” said Abedi, assistant vice president for research and professor of electrical and computer engineering. “Nobody will see the sensors. They don't touch your body, and you never feel them. There is no electromagnetic field and no radiation.” “We really feel that these devices are underdeveloped and home technology for sleep are underdeveloped, so we are hoping that our device can fill that gap,” said Hayes, a professor of psychology. Activas Diagnostics works with UMaine's Office of Innovation and Economic Development, which provides university spinoff companies with coaching and other resources they need to launch successful businesses, the article states. Activas' contribution to the Bangor-area economy goes beyond creating jobs, said Renee Kelly, UMaine's assistant vice president for innovation and economic development. “They're also a great role model for faculty and students who would like to commercialize their research,” she said. “It's our goal to see the research activity that happens spin off into new companies or products. This is a great example of that happening.” [Maine Public](#) and [Fiddlehead Focus](#) published the BDN article.

## University of Maine, Oak Ridge National Laboratory to announce \$20 million 3D printing manufacturing partnership to boost forest products industry

01 May 2019

*Editor's note: Story updated May 2* U.S. Senators Susan Collins, Lamar Alexander and Angus King will join University of Maine and Oak Ridge National Laboratory (ORNL) leaders on May 2 to announce the launch of a large-scale bio-based additive — 3D printing — manufacturing program. The announcement of the ORNL and UMaine partnership will be at 11:30 a.m. May 2 in Washington, D.C. A live stream will be available [online](#). The new partnership will harness Oak Ridge's leadership in additive manufacturing and UMaine's expertise with bio-based composites to advance efforts to 3D print with wood, creating a new market for Maine's forest products industry. Collins and King have been active in encouraging this type of collaboration between Maine's forest products industry and leading researchers. In 2016, they called on the U.S. Department of Commerce to [establish the Economic Development Assessment Team \(EDAT\)](#), that would work across agencies and sectors to create strategies for job growth and economic development in Maine's rural communities. EDAT's work led directly to this partnership between UMaine and ORNL. The \$20 million effort, funded by Department of Energy's Advanced Manufacturing Office, aims to strengthen regional manufacturing by connecting university-industry clusters with the Manufacturing Demonstration Facility at ORNL. Alexander, chair of the Energy and Water Development Appropriations Subcommittee, and Collins, a member of the subcommittee, worked to secure funding for this initiative in the fiscal year 2019 Energy and Water bill. ORNL also has a news announcement [online](#) about the event. Contact: Margaret Nagle, 207.581.3745

## Engineering students constructing building for Old Town Fire Department

02 May 2019

The University of Maine Construction Engineering Technology (CET) program is building a small facility for the Old Town Fire Department as part of a service learning project. The project was coordinated by the Student Construction Association and serves as a final assignment for CET 228 — Intro to Construction Estimating and Planning. The Old Town Fire Department recently restored an original fire engine and needed a building to display and store it. The students are collaborating with the department to match the original building that was on-site many years ago. The fire department is supplying the building materials for construction May 1–4.

## Garland speaks with BDN about transplanting seedlings

02 May 2019

Kate Garland, a horticultural professional with University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) about how to successfully transplant seedlings. Best practices depend on the plant, according to Garland — most plants should be transplanted at the same depth as they grew in pots, but some, like tomatoes, should be transplanted a little deeper, and potatoes and leeks should be buried in trenches and continuously covered as they grow. Before transplanting, Garland recommends hardening off seedlings by bringing them outside every day for at least a week, and making sure the soil is moist but not too wet. “If you dig in the soil and it sticks to your shovel, take a step back,” she said. The seedlings should first be removed from the pot, leaves first. “Plants can replace damaged roots and damaged leaves but young plants cannot replace a damaged stem. Pick them up by leaves as much as possible.” Once the seedling is out of the pot, the roots should be loosened. “Plants have developed a pretty good root system, but sometimes that root system has gotten to a point where it is a little bit dense. Use your fingers to tease the roots apart to give the plant a signal that it is out of the pot, and it is time to start branching out and growing into its new home,” Garland said. After the seedling is transplanted, Gardner advised gently covering the base with soil but not compacting it, and watering thoroughly. Garland recommended watering transplanted seedlings about an inch a week, and mulching with newspaper or other types of paper mulch to help the soil retain moisture and provide a barrier for weeds. Gardner also gave specific tips for transplanting onions and leeks, and discouraging cutworms from preying on young seedlings.

## WABI, WVII cover Maine Day service projects, philanthropy

02 May 2019

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) covered service projects and philanthropy events on Maine Day. Following University of Maine tradition, classes were canceled and students, faculty, staff and community members were encouraged to participate in service projects to give back and spruce up the campus. “Today is a day of service for us to give back and for students to understand that to do well, they have to do well for others,” said Robert Dana, vice president for student life and dean of students. “We're just so thrilled

to death that everybody believes in doing for others and doing all the good they can whenever they can do it. We just love these students. They're full of energy. They're excited. They believe in it." One of those service projects was the third annual Maine Day Meal Packout, organized by the Honors College. WABI reported the college expected to pack 71,000 meals and deliver them to food pantries with the help of the New England branch of The Outreach Program. "One of six kids in Maine is food insecure. Over 180,000 people in Maine are food insecure. What we're doing today is packing two different kinds of meals. We're packing gluten-free Spanish rice and apples and oatmeal, so that they have a breakfast and a lunch/dinner option," said Emma Hutchinson, UMaine student manager of the event. "Maine is one of the most food insecure states in the United States and the most food insecure in New England, so it's really important that we do everything that we can to combat hunger, especially in Maine," said Lauren Ryan, UMaine student and a team leader for the event. Ryan told WVII the event raised \$17,000 to pack meals to help those in need. "A lot of the meals that we're packing today are either staying on campus, staying locally, or going to one of seven different counties in Maine. So our reach is very far and we're making a big impact today," Ryan said. "The hunger epidemic in Maine is real but not a lot of people know about it. So we're raising awareness for this. We know we're not solving hunger with this but we're making a dent, we're making a splash and every little bit helps," said Hutchinson. Some projects were held off campus — the UMaine rugby team helped beautify a town sidewalk in Orono, WABI reported. [WABI](#) also covered a philanthropy event held at the Maine Day barbecue to raise money for childhood cancer research through the St. Baldrick's Foundation. Participants had their heads shaved to raise money and awareness for the cause. "Everyone is affected by cancer. Everyone has a connection to someone," said Daniel Norwood, the event organizer. "It's just hair. It grows back," said UMaine student Colby Kreider. "I had a childhood friend who passed away from cancer, so just raising awareness is good." "My freshman year, I saw this event, and I looked at people shaving their heads and I said, why would anybody ever do that?" said UMaine student Alyssa Urquhart. This is her fifth year shaving her head. "I can't imagine not doing it at this point, because there are kids out there who don't have the choice to be bald. Shave our heads in solidarity with them to show them that bald is beautiful and that it doesn't make you less beautiful to not have hair."

## Oak Ridge Today reports UMaine, ORNL to announce \$20 million manufacturing partnership

02 May 2019

[Oak Ridge Today](#) reported Oak Ridge National Laboratory and the University of Maine will announce a \$20 million 3D manufacturing partnership that will help the forest products industry. ORNL, UMaine and three U.S. senators will announce the partnership at 11:30 a.m. May 2 in Washington, D.C. The partnership will involve the launch of a large-scale, bio-based additive manufacturing, or 3D printing, program that will combine ORNL's leadership in additive manufacturing and UMaine's expertise with bio-based composites to advance efforts to create a new market for Maine's forest products industry, the article states.

## New \$20 million additive manufacturing initiative connects local economies with national lab, UMaine resources

02 May 2019

A new research collaboration between the University of Maine Advanced Structures and Composites Center and the Department of Energy's Oak Ridge National Laboratory (ORNL) will advance efforts to 3D print with wood products, creating a new market for Maine's forest products industry. U.S. Sens. Susan Collins, Lamar Alexander and Angus King joined Daniel Simmons, assistant secretary for energy efficiency and renewable energy at the U.S. Department of Energy, as well as leaders from UMaine and ORNL in Washington, D.C., May 2 to announce the launch of the large-scale, bio-based additive manufacturing program. The ORNL and UMaine research team will work with the forest products industry to produce new bio-based materials that will be conducive to 3D printing a variety of products, such as boat hull molds, shelters, building components, tooling for composites and wind blades. They also will position the industry to print large, structurally demanding systems, such as boats. [caption id="attachment\_66920"



align="alignright" width="446"/> From left, Jeffrey Hecker, provost, University of Maine; Habib Dagher, executive director, Advanced Structures and Composites Center at the University of Maine; U.S. Sens. Angus King, Susan Collins and Lamar Alexander.; Daniel Simmons, assistant secretary for Energy Efficiency and Renewable Energy; and Mohammad Khaleel, associate laboratory director, Oak Ridge National Lab; at the Washington, D.C. announcement. Photo courtesy of the Office of U.S. Sen. Susan Collins(caption) "This exciting initiative is a win-win that will bolster the cutting-edge research performed at the University of Maine as well as support job creation in our state," said Collins. "The development of sustainable, inexpensive wood-based materials for large-scale 3D printing has the potential to invigorate Maine's forest products industry. This project is an outstanding example of our national labs working cooperatively with universities to drive American innovation and strengthen our economy." "Using Maine forest products for 3D printing is a great way to create new jobs in Maine and a good reminder that national laboratories are our secret weapons in helping the United States stay competitive in the rapidly changing world economy," said Alexander. "The partnership between the University of Maine and the Oak Ridge National Laboratory is a model for how science and technology can help Americans prosper in the new economy." "Maine's forest products industry is central to our state's identity, and plays a leading role in our economy, which is why bringing innovation and creativity to the Maine woods is so important," King said. "I can think of no partnership more capable of advancing the industry than the world-class research institutions at University of Maine and Oak Ridge National Laboratory. With their collaborative expertise, Maine can leverage new opportunities to attract bio-based industries to our state, further cutting-edge ideas, and foster growth and prosperity in our state's rural communities." The \$20 million effort, funded by DOE's Advanced Manufacturing Office, aims to strengthen regional manufacturing by connecting university-industry clusters with DOE's Manufacturing Demonstration Facility (MDF) at ORNL, said Daniel Simmons, assistant secretary in the DOE Office of Energy Efficiency and Renewable Energy. Alexander, chairman of the Energy and Water Development Appropriations Subcommittee, and Collins, a member of the subcommittee, worked to secure funding for the initiative in the fiscal year 2019 Energy and Water bill. MDF will enable regional industries to apply decades of experience in a short period of time to more effectively translate additive manufacturing technology to the region's strengths. Collins and King have been active in encouraging this type of collaboration between Maine's forest products industry and leading researchers. In 2016, the senators called on the U.S. Department of Commerce to [establish the Economic Development Assessment Team \(EDAT\)](#) that would work across agencies and sectors to create strategies for job growth and economic development in Maine's rural communities. The work of the EDAT led directly to this partnership between UMaine and ORNL. The new partnership links two world-class research centers, said UMaine President Joan Ferrini-Mundy. "This collaboration is a shining example of UMaine's commitment to exceptional research, workforce development, and economic advancement benefiting Maine and beyond. This partnership will allow our faculty and students to work seamlessly with Oak Ridge researchers, learn, innovate and strengthen local manufacturing," Ferrini-Mundy said. ORNL is a world leader in advanced manufacturing and is DOE's largest science and energy laboratory, conducting basic and applied research to deliver transformative solutions to compelling problems in energy and security. UMaine is a world leader in cellulose nano fiber (CNF) technology, including development of nano- and micro-cellulose reinforced thermoplastic composites through its Advanced Structures and Composites Center. "The University of Maine is doing cutting-edge research related to bio-feedstocks and the application of advanced manufacturing in regional industries. We are thrilled at this opportunity to expand our research base while providing UMaine with access to the leading national capabilities we have developed at ORNL's Manufacturing Demonstration Facility," said Thomas Zacharia, director of Oak Ridge National Laboratory. "Our state's forest products industry is not only adapting to succeed in today's global economy, but it is on the vanguard of some of the nation's most innovative advanced manufacturing efforts," said Maine Gov. Janet Mills. "With this partnership between the University of Maine and Oak Ridge National Laboratory, our state will continue to drive critical innovation in the bioeconomy that will help create jobs and revitalize rural Maine. I applaud the U.S. Department of Energy, the University of Maine, and our congressional delegation on this achievement, and pledge the assistance of my administration as we work to build a prosperous state." The collaboration will provide students, faculty and companies associated with UMaine's Advanced Structures and Composites Center access to ORNL's assets and expertise in advanced manufacturing. ORNL researchers, in turn, will gain access to UMaine's facilities and expertise in CNF and composites. Scientists from ORNL and UMaine will conduct fundamental research in several key technical areas, including CNF production, drying, functionalization, and compounding with thermoplastics, multiscale modeling and sustainability life-cycle analysis. By placing CNF into plastics, strong, stiff and recyclable bio-derived material systems can be developed that may be 3D printed at deposition rates of hundreds of pounds per hour and up to 50 percent cellulose fiber loading. Printing with 50 percent wood promises to open new markets for the pulp, paper and forest products industries. As a forest product, CNF could rival steel properties, and its successful incorporation into plastics shows great promise for a renewable feedstock suitable for additive manufacturing. Habib Dagher, executive director of UMaine's Advanced Structures and Composites Center, characterized the initiative as being like "putting together the NBA All-Star team for massive 3D printing with wood." "We will integrate 20 years of research in bio-based composites at UMaine and 3D printing at ORNL," Dagher said. "It is an opportunity engine for our students, faculty, staff and manufacturing industry who will work side by side with researchers at our nation's foremost research laboratory. Together, we will break down wood to its nanocellulose structure, combine it with bioplastics, and print with it at hundreds of pounds an hour. The research we will be conducting with ORNL will spur next-generation manufacturing technologies using recyclable, bio-based, cost-effective materials that will bolster our region's economy." Dagher thanked Collins, King and Alexander for their leadership, and DOE for its award to the competitively funded proposal. Video of the May 2 announcement is [online](#). Contact: Meghan Collins, 207.581.2117; mc@maine.edu

## Tips for attending UMaine Commencement ceremonies May 10–11

02 May 2019

The University of Maine's 2019 Commencement ceremonies are May 10–11 in Alford Sports Arena. The Graduate School Commencement for master's degree and certificate of advanced studies students begins at 4 p.m. May 10. Commencement ceremonies for bachelor's degree students and doctoral degree candidates are at 9:30 a.m. and 2:30 p.m. May 11. The Saturday ceremonies are ticketed events. Motorists in the Orono area will encounter heavier traffic than usual Friday afternoon and throughout Saturday. Those attending any of the Commencement ceremonies should plan to arrive early. For the Graduate School Commencement, doors open at 3 p.m. On Saturday, Alford Arena doors open at 8 a.m. for the morning ceremony; 1 p.m. for the afternoon ceremony. On Saturday,

people attending Commencement ceremonies are urged to park in the Collins Center Lot on campus, where three shuttle buses will transport them to the arena. The Collins Center Lot is easily reached by traveling on Rangeley Road and following signs. Shuttle buses also will provide transportation to Alfond Arena from the following parking lots: the Steam Plant Lot on College Avenue, Belgrade Lot on Belgrade Road, Hilltop Lot on Rangeley Road and Buchanan Alumni House at College Avenue and Munson Road. Backpacks and large bags of any type cannot be brought to Alfond Arena during Commencement ceremonies. People are strongly encouraged to leave large bags and any unnecessary items in their vehicles; all bags will be searched. Strollers may not be set up in the aisles of Alfond Arena. Only professional photographers hired by the university with proper credentials are permitted to photograph the ceremonies from the Alfond Arena floor. Students are asked to remain seated for the duration of the ceremony. Vehicles with accessible plates or placards can be parked in the Satellite Lot behind Alfond Stadium. There will be an accessible drop-off area on the south side of Alfond Arena. The entry point will be plainly marked from College Avenue at Tunk Road, on the north side Alfond Stadium.

## **Two students awarded George J. Mitchell Peace Scholarship to study in Ireland**

**03 May 2019**

University of Maine students Madison Riley and Bailey West have been awarded the George J. Mitchell Peace Scholarship for the 2019–2020 academic year and will study in Ireland for a semester as part of the student exchange program. The competitive merit-based scholarship is made possible by an agreement between Maine and Ireland for a student exchange at the university level. It honors the 1998 Northern Ireland peace accord brokered by Sen. Mitchell between Ireland and the United Kingdom. The University of Maine System awards one full scholarship or two one-semester scholarships per year which allow students to study at University College Cork in Ireland. This year — for the third time — both winners attend UMaine. Riley, a double major in history and women's, gender, and sexuality studies from Williamsport, Maryland, will study in Ireland for the fall 2019 semester. West, a double major in biochemistry and molecular and cellular biology, from Stockton Springs, Maine, will make the trip in spring 2020. While in Ireland, Riley plans to take advantage of resources on the University College Cork campus, as well as better understand and appreciate the culture. "I am most looking forward to the local travel in Cork, Ireland and will hopefully take the opportunity to travel to other countries in Europe," says Riley, who expects to graduate in December 2020. "The University of College Cork is a beautiful campus that I cannot wait to explore, especially the activities and clubs on campus." At UMaine, Riley is the secretary for the Feminist Collective and Student Alliance for Sexual Health. She also volunteers at the Women's Resource Center. West, a student in the Honors College, is looking forward to courses that will allow her to explore Irish folklore and language while immersing herself in the local culture. She also plans to get involved in groups at the University College Cork, such as the International Students Society. "I am most looking forward to the relationships I will form with locals in Cork and other international students. I predict that these friendships will be one of the most valuable aspects of my experience," says West, who expects to graduate in May 2021. At UMaine, West is a student researcher in the lab of microbiology professor Julie Gosse. She studies toxicological effects of chemicals on the immune system. She also is a teaching assistant for general chemistry and member of the Screamin' Black Bear Pep Band. More about the George J. Mitchell Peace Scholarship and other scholarship opportunities are listed on the Office of Major Scholarships [website](#). Other study abroad opportunities can be found on the Office of International Programs [website](#). Contact: Elyse Catalina, 581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## **UMaine Extension publications offer tips on growing fruit, cooking fiddleheads, managing insects**

**03 May 2019**

Spring is here and that means the planting and growing season will soon be getting underway and people are pursuing outdoor activities. The University of Maine Cooperative Extension offers resources on pruning trees and shrubs, starting seeds at home, harvesting and cooking fiddleheads, insect repellents, ticks, mosquitoes and Lyme disease. Visit the UMaine Cooperative Extension [Publications Catalog](#) for bulletins including:

- [Starting Seeds at Home](#)
- [Growing Vegetables in Container Gardens](#)
- [Facts on Fiddleheads](#)
- [Facts on Edible Wild Greens in Maine](#)
- [Growing Rhubarb in Maine](#)
- [Growing Strawberries](#)
- [Growing Fruit Trees in Maine](#)
- [Raspberry and Blackberry Varieties for Maine](#)
- [Plant Propagation in Maine](#)
- [Planting and Early Care of Fruit Trees](#)
- [Designing Your Landscape for Maine](#)
- [Japanese Beetle](#)
- [Pruning Forsythias in Maine](#)
- [Ticks](#)
- [Lyme Disease](#)
- [Insect Repellents](#)
- [Mosquito Management](#)

Price lists are [online](#).

## **UMaine invites underserved students for STEM seminars, Lake News Online reports**

**03 May 2019**

[Lake News Online](#) reported the University of Maine is inviting underserved students to take part in STEM seminars, primarily engineering, from a water quality perspective. Researchers will spend a day with students teaching water chemistry and biology of streams before the students are taken into the field to learn to identify and address the problem, the article states.

## **Media cover fire department building construction by engineering students**

**03 May 2019**

[WABI](#) (Channel 5), [News Center Maine](#), [Bangor Daily News](#) and [The Penobscot Times](#) reported about 30 students from the University of Maine College of Engineering are constructing a building for the Old Town Fire Department as their final assignment. The building, which will house the department's restored original fire engine, was designed by the Student Construction Association and Old Town Public Works, according to the articles. "It's nice to do something for the town instead of just doing a project for a contractor. We're out here working for the community, so it's nice," said Zachary Cauoette, a first-year student. "It means so much more to the students to know that they're doing something that has an impact," said Amber Killip, an assistant professor of construction engineering technology at UMaine. Killip assigned the construction planning to one of her classes, according to the BDN. "It's a great service learning project. Ends up being a win-win for everybody. Old Town provided the materials, and we provided the labor. The students get to learn a lot. We can't fabricate this kind of learning in the classroom," she said.

## **Media cover UMaine, Oak Ridge National Laboratory research collaboration announcement**

**03 May 2019**

The [Bangor Daily News](#), [Portland Press Herald](#), [Maine Public](#), [WABI](#) (Channel 5), [Mainebiz](#), [Maine Startups Insider](#), [Biofuels Digest](#) and [The Oak Ridger](#) reported the University of Maine and Oak Ridge National Laboratory announced a research collaboration to help the forest products industry. The federally funded, \$20 million manufacturing partnership will involve 3D printing using bioplastics made with wood fiber. "The material is nanocellulose, basically a tree ground up to its nano structure. These materials have properties similar to metals," said Habib Dagher, executive director of UMaine's Advanced Structures and Composites Center. "We are taking those and putting them in bioplastics so we can make very strong plastics that we can make almost anything with." The largest 3D printer in the world will be used for a variety of large-scale manufacturing applications, including printing boat hull molds, shelters, building components, wind blades and more, according to Dagher. "This is the beginning of a long road. We haven't even thought of all the possibilities," Dagher said. The collaboration is intended to make 3D printing more useful in manufacturing and reinvigorate Maine's forest products industry by finding new uses for wood-based products, the BDN reported. Through the partnership, students and faculty will be able to visit Oak Ridge's facility in Tennessee, and Oak Ridge staff will be able to visit UMaine's composites center, so members from each institution can learn more about the other's area of expertise, said Dagher. "This collaboration is a shining example of UMaine's commitment to exceptional research, workforce development, and economic advancement benefiting Maine and beyond," said Joan Ferrini-Mundy, president of UMaine. "This partnership will allow our faculty and students to work seamlessly with Oak Ridge researchers, learn, innovate and strength local manufacturing." The initiative was announced in Washington, D.C. on May 2, according to the articles. [The Chattanooga](#) and [Composites World](#) published a UMaine news release about the announcement.



## UMaine earns STARS Silver sustainability rating

03 May 2019

The University of Maine earned its first STARS Silver Rating from the Association for the Advancement of Sustainability in Higher Education (AASHE) for recycling and composting nearly half of its waste; promoting student life opportunities, including a Green Living and Learning dorm floor; reducing water consumption by 20 percent per campus user; and more. STARS, the Sustainability Tracking, Assessment & Rating System, measures achievements in five overall areas — academics, engagement, operations, planning



and administration, and innovation and leadership. UMaine's report is on the [STARS website](#).

new buildings to LEED Silver certification standards, annually composting more than 400,000 pounds of pre-consumer food waste and using on-site-generated compost rather than fertilizers to maintain campus grounds. "Sustainability is more relevant today than it has ever been," says Daniel Dixon, sustainability director and research assistant professor with the Climate Change Institute. "The university strives to inspire core sustainability values in all its graduates and the achievement of our AASHE STARS Silver Rating highlights the significant efforts made by our campus community in that regard." Dixon says the assessment examines UMaine's sustainability performance campuswide and that Karina Graeter, sustainability coordinator, has worked for more than a year with hundreds of people across campus to track and collate data required to submit UMaine's first-ever STARS report. "These data will prove invaluable for focusing our future sustainability efforts to achieve maximum benefit," Dixon says. "The STARS assessment takes place every three years so we now have some time to concentrate on improving our performance and achieving gold." UMaine President Joan Ferrini-Mundy says the university's commitment to sustainability dates back to its founding in 1865 as a land grant institution. "Our STARS report demonstrates that UMaine is a leader in sustainability research," says Ferrini-Mundy. "Including the Sen. George J. Mitchell Center for Sustainability Solutions, Climate Change Institute, Advanced Structures and Composites Center, and many other units on campus, more than 25 percent of faculty from over 75 percent of departments conduct sustainability-related research." Meghan Fay Zahniser, executive director of AASHE, says UMaine demonstrated a substantial commitment to sustainability by achieving a STARS Silver Rating and is to be congratulated for its efforts. AASHE's STARS program has more than 800 participants in 30 countries. It was created to provide a framework for understanding sustainability, enable meaningful comparisons, create incentives for continuous improvement, facilitate information sharing and support and build the campus sustainability community. STARS is open to all institutions of higher education; criteria that determine ratings are transparent and publicly accessible. And as a charter signatory of the American College & University Presidents' Climate Commitment, UMaine has pledged to incorporate sustainability into its research, scholarship and community service operations. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## Cammen: History can inform ecologically and socially conscious conservation management

03 May 2019

A University of Maine-led research team examined historical interactions between people and ocean mammals to inform future conservation management. The marine scientists seek to break the loop that includes human exploitation of a wildlife species that causes population decline, implementation of a conservation plan that leads to a population increase, then calls for population control due to wildlife conflicts with people. Given that until recently depletion of species, rather than recovery, was the norm, it's not surprising that conservation management is experiencing challenges, says UMaine assistant professor Kristina Cammen. Knowledge gaps, due in part to shifting baselines, have limited ecologically centered approaches to adaptive management of protected species, she says. A baseline, in theory, should be set as the population size of a species before human exploitation. Shifting baselines is the theory that when scientists start their careers they perceive a species' population at that time as the ecological baseline, then assess subsequent changes against their perceived baseline. Integrating historical ecology (interactions between people and natural ecosystems over long periods of time to better understand the present) will inform broader ecosystem-based policies, says Cammen. She conducted the research with UMaine professor Bob Steneck and Bigelow Laboratory for Ocean Sciences senior research scientist Doug Rasher. They examined the literature on prehistorical, historical and contemporary populations of all six protected pinniped species that breed in the contiguous United States — California sea lion, Steller sea lion, northern fur seal, northern elephant seal, harbor seal and gray seal. These species show relatively parallel histories of exploitation, protection, recovery, and in many cases subsequent conflict. The team's review "Predator recovery, shifting baselines, and the adaptive management challenges they create" was published in February 2019 in the Ecological Society of America's online journal Ecosphere. Archeological records indicate people hunted for marine mammals as early as 8,500 to 12,000 years ago. In the 1800s, the researchers say extensive commercial hunts targeted carnivorous aquatic mammals, or pinnipeds, which resulted in precipitous population declines and regional devastation. After commercial hunts ended, bounty programs that continued through 1972 killed another 100,000 sea lions and seals in Maine, Massachusetts, Oregon and Washington, the researchers learned. While it's unclear how removing so many pinnipeds affected the ecological system, the team says, in general, removing predators undermines an ecosystem's resilience. Since the Marine Mammal Protection Act was put into effect in 1972, pinnipeds have made impressive recoveries. Researchers say it's reasonable that marine predators' recovery also would have wide-ranging effects on the ecosystem. As the species have rebounded, some commercial and recreational fishermen have perceived them as overabundant. This perception is amplified by a narrow ecological view of pinnipeds as predators of commercially valuable natural resources, say the researchers. Seals also have been blamed for attracting sharks to beaches and degrading water quality at breeding colony sites. Yet, the team says there is little scientific evidence to support a negative effect of seals on water quality in the region. Going forward, the researchers say it's necessary to understand that species' population baselines have shifted upward. In the Gulf of Maine, this shift most likely represents the recovery and recolonization of historical habitats. It also is possible, they say, that seals are more abundant today than ever. The team says that ecologically and socially conscious conservation management must take historical context into account, utilize expertise from diverse disciplines to understand ecological systems' complexities, and adapt when unanticipated challenges arise due to recovery of species. Cammen is part of a May 3 panel discussion titled "Our Ecosystem Today: What recovery looks like in a changing world" at the interdisciplinary, multistakeholder [Northwest Atlantic Seal Research Consortium](#) in New Bedford, Massachusetts. The consortium's theme is "Where Do We Go From Here? Seals and Society: Living in Shifting Ecological and Social Baselines." Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## UMaine Commencement ceremonies will be held May 10–11

03 May 2019

More than 1,700 undergraduate and graduate students, including upward of 40 doctoral candidates, are expected to participate in University of Maine Commencement ceremonies May 10–11 in Alford Sports Arena. The Graduate School Commencement for master's degree and certificate of advanced study students begins at 4 p.m. May 10, with 2,000 family members, friends and colleagues in attendance. Nearly 10,000 spectators are expected for the 217th Commencement ceremonies for doctoral candidates and bachelor's degree students at 9:30 a.m. and 2:30 p.m. May 11. All the ceremonies will be [live streamed](#). The Saturday ceremonies are ticketed events. Tips for attending UMaine Commencement are [online](#). The morning ceremony on Saturday is for students in the College of Liberal Arts and Sciences, College of Education and Human Development, Maine Business School and the Division of Lifelong Learning. The afternoon ceremony is for students in the College of Engineering and the College of Natural Sciences, Forestry, and Agriculture. Saturday's Commencement address will be delivered by Old Town native and alumna [Bridget Ziegelaar](#), the operations manager for NASA's International Space Station Research Integration Office. Addressing the Graduate School Commencement on Friday will be alumnus and inventor Doug Hall, founder of Eureka! Ranch. An honorary degree will be awarded to Surry resident [Florence Reed](#), founder of Sustainable Harvest International. [Drew Brooks](#) of Lyman, Maine is the 2019 University of Maine valedictorian and [Ana Eliza Souza Cunha](#) of Orono is the salutatorian. Brooks is a double major in microbiology and music, with a minor in molecular biology. He will receive two bachelor's degrees — one in microbiology, and one in music. Souza Cunha, a biology major with minors in neuroscience and psychology, and a concentration in pre-medical studies, will receive a bachelor's degree in biology. The Honors student also is the Outstanding Graduating Student in the College of Natural Sciences, Forestry, and Agriculture. This year's other [Outstanding Graduating Students](#) also are expected to attend their respective ceremonies. The 2019 Distinguished Maine Professor is [Sandra Caron](#), professor of family relations and human sexuality. She will be recognized at the President's Faculty Recognition Luncheon May 11, along with this year's three [Presidential Award winners](#). Susan McKay, RiSE Center director and professor of physics, will receive the 2019 Presidential Public Service Achievement Award. Jennifer Tyne, a lecturer in mathematics, will receive the 2019 Presidential Outstanding Teaching Award. Jasmine Saros, professor of paleoecology in the School of Biology and Ecology, and associate director of the Climate Change Institute, will receive the 2019 Presidential Research and Creative Achievement Award. Also on May 10, five cadets will be commissioned in an Army ROTC ceremony at 11 a.m. in Minsky Recital Hall. A midshipman from UMaine Naval ROTC will be commissioned in an 11 a.m. ceremony May 11. The Pinning Ceremony for the School of Nursing begins at 7 p.m. May 10 in the Collins Center for the Arts. Contact: Margaret Nagle, 207.581.3745

## World Climate Negotiation Simulations to be held at Maine schools in May

## 06 May 2019

University of Maine graduate students are partnering with schools across Maine to host World Climate Negotiation Simulation (WCS) activities. The simulation activity was developed by the nongovernmental organization Climate Interactive and involves a role play in which participants act as country leaders and work together to negotiate a global climate agreement. The simulation emulates negotiations that take place at the annual United Nations Framework Convention on Climate Change (UNFCCC) Conference of the Parties (COP) to negotiate policy to reduce the effects of climate change and support community adaptation to current impacts. School programs will be held in the following locations in May:

- Gray-New Gloucester High School, May 7
- Leonard Middle School in Old Town, May 8
- Orono High School, date TBD

In addition, the UMaine Hutchinson Center in Belfast is hosting a world climate negotiation simulation open to the public at 5 p.m. May 9. All are welcome and encouraged to attend. Simulations will be led by Will Kochtitzky, a master's student in the School of Earth and Climate Sciences and Climate Change Institute, and Anna McGinn, a master's student in the School of Policy and International Affairs and Climate Change Institute. Co-facilitators have included Baidehi Roy, a master's student in the School of Policy and International Affairs; Brienne Berry, a Ph.D. student in the Department of Anthropology; Jessica Scheick, a recent Ph.D. graduate from the School of Earth and Climate Sciences and Climate Change Institute; and Kate Hruby, a master's student in the School of Earth and Climate Sciences. The graduate students also have collaborated with Molly Schaffler, science coordinator at the Hutchinson Center and assistant research professor in the School of Earth and Climate Sciences; Cindy Isenhour, assistant professor of anthropology and climate change; and Skyler Horton, a human dimensions of climate change undergraduate student. "We hope this opportunity will allow students to understand the basics of climate science, the urgency of the problem, and empower them to take action in their own lives," says Kochtitzky. Funding support for the simulation programs was provided by the Schwartz Legacy Fund, a Wilson Center SCOPE Grant, and the Alton '38 and Adelaide Hamm Campus Activity Fund. The UMaine team in the past has run the simulations at eight schools and Upward Bound programs with more than 800 students as well as the 2018 Climate Change Institute annual retreat, the Camden Conference in coordination with the UMaine School of Policy and International Affairs, and the 2018 Maine Science Teachers Association annual conference in cooperation with the UMaine Hutchinson Center. If you are interested in bringing the WCS to your school during the 2019–20 academic year, contact Anna McGinn at 508.527.6423, [anna.mcgin@maine.edu](mailto:anna.mcgin@maine.edu).

## MD Islander advances talk on Wabanaki, climate change by Ranco

## 06 May 2019

The [Mount Desert Islander](#) advanced a talk by Darren Ranco, Penobscot Nation citizen, associate professor of anthropology and chair of Native American Programs at the University of Maine, at 4:10 p.m. May 16 in McCormick Lecture Hall at College of the Atlantic in Bar Harbor. As part of the Seminar in Climate Change 2019 Speaker Series, Ranco will discuss climate change impacts and adaptation priorities among Wabanaki First Nations, the article states. For more information, call 288.5015.

## Republican Journal previews World Climate simulation at Hutchinson Center

## 06 May 2019

The [Republican Journal](#) previewed an interactive simulation of World Climate Negotiations to be held 5–8 p.m. May 9 at the University of Maine Hutchinson Center in Belfast. UMaine Climate Change Institute graduate students Anna McGinn and Will Kochtitzky; and Molly Schaffler, a faculty member with the School of Earth and Climate Sciences and Hutchinson Center; will facilitate the simulation activity, which is free and open to the public. Participants will learn how climate negotiations work, and experience how negotiators interact and what decisions they need to make in order to agree on commitments that will reduce global carbon emissions sufficiently to meet the Paris agreement goal of keeping global warming to below 2 degrees Celsius, the article states. The event is a collaboration among the Hutchinson Center, the School for Policy and International Affairs, the Climate Change Institute and the Belfast Bay Watershed Coalition. To register or request a reasonable accommodation, contact Michelle Patten, 338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

## WABI quotes Del Amo in report on lifeguard shortage

## 06 May 2019

[WABI](#) (Channel 5) quoted Adrianna Del Amo, coordinator for fitness and aquatics at the University of Maine's New Balance Student Recreation Center, in a report on the summer lifeguard shortage. From now through summer, there's a local lifeguard shortage due in part to college students leaving campus and going home for the break. "We're always a little short, but it seems to be every single year it gets a little fewer applicants. I've spoken to the local YMCAs and they seem to also be struggling to that effect as well," Del Amo said. The rec center is offering lifeguard certification courses; more information is [online](#).

## News Center Maine reports NASA manager to give UMaine commencement address

## 06 May 2019

[News Center Maine](#) reported Bridget Ziegelaar, operations manager for NASA's International Space Station Research Integration Office and Old Town native, will give the address at both the morning and afternoon ceremonies for the University of Maine's 217th commencement May 11 in the Alford Sports Arena. Ziegelaar received a bachelor's degree in mechanical engineering from UMaine and a master's degree in science, technology and public policy from George Washington University. She began her NASA career as a graduate student intern in the agency's External Relations Office, and has received many honors, including the NASA Exceptional Achievement Medal, according to the report. "Bridget Ziegelaar is a role model and leader whose talents have contributed to NASA's success for the past two decades," said UMaine President Joan Ferrini-Mundy. "[We're] extremely proud of her achievements, and we look forward to welcoming her back to her alma mater to share perspectives on a career that has taken her to such great heights."

## NYT quotes Robidoux in article on sea vegetables

## 06 May 2019

[The New York Times](#) quoted Jaclyn Robidoux, a marine Extension associate with Maine Sea Grant at the University of Maine, in the article "The climate-friendly vegetable you ought to eat." Kelp is nutritionally dense and actively benefits ocean health by mitigating excess carbon dioxide and nitrogen, and can provide income to small fisheries threatened by climate change and overfishing, the article states. About 14,000 pounds of kelp was harvested from Maine farms in 2015, according to Robidoux. In 2018, the harvest was just over 53,000 pounds, and is expected to exceed 300,000 pounds this year. It's a sensible addition for fishing families who already have the necessary gear and knowledge of the ocean, according to the article. "Growing the seaweed itself is really straightforward. I've run a kelp nursery in a seventh-grade classroom," said Robidoux. [Today Online](#) published the NYT article.

## UMaine students take top awards at international business competition

## 06 May 2019

A team of University of Maine students won two awards at the 2019 International Collegiate Business Strategy Competition in California. The six Maine Business School students won first place in Written Documents and second place in Overall Performance in one of five "worlds" at the April contest. The yearlong simulation required teams to manage all aspects of a company for 20 quarters — from writing a strategic business plan and annual report to presenting to a board of directors. Team participants included Eduardo Anzurez, vice president of production; Alison Berube, COO; Thomas Giggey, CEO/president; Casco Haley, CFO/vice president of finance; Megan Howes, vice president of marketing; and Samuel Varga, vice president of human resources. Throughout the competition the group was advised by Matt Skaves, lecturer in finance and accounting; Jason Harkins, associate professor of entrepreneurship; and John Mahon, the John M. Murphy Chair of International Business Policy and Strategy and professor of management. "The advisers are really proud of this year's team," says Skaves, who accompanied the team to California. "It's the first time UMaine has come away with two awards in this competition, and it's the highest we've placed in Overall Performance." The student team will offer their award-winning presentation to UMaine faculty at 4 p.m. May 7 in the D.P. Corbett Business Building, Room 218.

## Kara Pellowe: Grad student explores how interaction of ecological, social factors affect sustainability

## 06 May 2019

Kara Pellowe's examination of the chocolate clam fishery on the coast of the Baja California Peninsula in Mexico has taught her that communities near and far can face similar challenges, and that lessons learned in one context can contribute to better understanding in another. "My education at UMaine has taught me the importance of forging connections between scientists and coastal communities." To learn more about the graduate student's research, visit [umaine.edu/leslie-lab/2019/04/27/sustaining-mexicos-chocolate-clam-fishery](https://umaine.edu/leslie-lab/2019/04/27/sustaining-mexicos-chocolate-clam-fishery). Contact: Beth Staples, 207.581.3777

## CMJ students explore immigration in free May 8 performance, conversation

07 May 2019

University of Maine communication and journalism students will give a free, public performance and dialogue titled "With~standing! Exploring Immigration and Belonging in Maine" at 2 p.m. May 8 at the Wilson Center in Orono. This semester, students in the Narrative, Performance and Social Change course partnered with the Maine MultiCultural Center (MMCC) and other area organizations to engage in open conversations and spread awareness about immigration and diversity. They talked with family, friends and community members to learn about perceptions of, and experiences with, immigration in Maine. Students crafted, and will perform, a collection of "found" poems, based on verbatim data from conversations, from their personal experiences and reactions, and from information from news and other sources. In addition, students will facilitate a dialogue with the audience to further cross-cultural understanding and connection. This is the second year the class has partnered with the MMCC, which began serving the Bangor area in 2017. The center seeks to encourage Bangor's economic and cultural development by eliminating barriers to local services, fostering social networks and connections, and providing programs that promote cross-cultural competencies within schools, religious and community organizations, municipal offices and neighborhoods. For more information, visit the MMCC [website](#). For more information about the performance, or to request a reasonable accommodation, contact Lily Herakova, [liliana.herakova@maine.edu](mailto:liliana.herakova@maine.edu).

## Ph.D. student writes BDN op-ed

07 May 2019

Jon Bomar, a doctoral candidate in biomedical engineering at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled "Confronting the graduate student mental health crisis." Bomar is a member of the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members' columns appear in the BDN every other week.

## UMaine faculty mentors recognized at award ceremony

07 May 2019

Awardees were recognized for their support, advocacy and mentorship of University of Maine students at the Faculty Mentor Appreciation ceremony on May 7. The event, which was originally postponed, is part of the 2019 Maine Impact Week celebration. A total of 23 awards were presented during the luncheon. **Faculty Mentor Impact Award winners:**

- **Nicholas Giudice**, School of Computing and Information Science, VEMI
- **Marie Hayes**, Psychology
- **Jordan LaBouff**, Psychology, Honors College
- **Sally Molloy**, Molecular and Biomedical Sciences, Honors College
- **Michael Mason**, Chemical and Biomedical Engineering
- **Balunkeswar (Balu) Nayak**, School of Food and Agriculture
- **Mike Scott**, School of Computing and Information Science
- **Kristy Townsend**, Biology and Ecology, Center on Aging
- **Elizabeth Allan**, Higher Education
- **Susan Bennett-Armistead**, Literacy
- **Douglas Bousfield**, Chemical and Biomedical Engineering, FBRI
- **Mary Ellen Camire**, School of Food and Agriculture
- **Yong Chen**, School of Marine Sciences
- **Douglas Gardner**, School of Forest Resources, FBRI
- **Jasmine Saros**, Biology and Ecology, Climate Change Institute
- **Owen Smith**, Art, IMRC
- **Adrienne White**, School of Food and Agriculture

## GSG Graduate Mentor Award winners:

- **Muralee Das**, Business
- **Elizabeth Hufnagel**, Education and Human Development
- **Ray Hintz**, Survey Engineering Technology
- **James Settele**, School of Policy and International Affairs
- **Keith Evans**, Economics/School of Marine Sciences

## GSG Dan Sandweiss Graduate Advocacy Award:

- **Jason Charland**, Office of Research Development

Students submitted hundreds of faculty mentors for recognition with many notes of appreciation. A sample of these [can be viewed online](#).

## Genevieve McDonald — a lobster boat captain and legislator — to graduate with highest distinction

07 May 2019

Some people call Genevieve McDonald, Captain. Five months a year, she fishes for lobsters in Western Penobscot Bay. Others know her as Rep. McDonald. The Democratic legislator represents 8,000-plus people living on island communities around Stonington, Maine. In 2018, 67 percent of House District 134 voters elected to send her to Augusta. Students at Deer Isle-Stonington Elementary School, where she's worked as a long-term substitute, call her Mrs. McDonald. To Evalina and Elise, the 1-year-old twins she parents with husband Cory, she's Mom. And May 11 at Commencement at the University of Maine, she'll be a college graduate, *summa cum laude*. The 36-year-old who was born in Bar Harbor, grew up in Blue Hill and lives in Stonington earned a Bachelor of University Studies with a Maine Studies minor online through the Division of Lifelong Learning. McDonald earned a GED after leaving high school to work when she became an emancipated minor at 16. In 2010, after completing a two-year apprentice program, she got her commercial lobster license. She enrolled at UMaine at age 30. McDonald says she returned to school to gain skills necessary to facilitate communication between people earning a living on the ocean and the scientific community. Sea-level rise, shifting species, pollution — they're all topics in her wheelhouse. And multiple publications, including National Geographic, The New York Times, Chicago Tribune, National Fisherman, Portland Press Herald and Down East magazine have asked McDonald for her perspectives. She credits her UMaine education with strengthening her research skills and abilities to persuasively speak and write — all of which have been valuable in Augusta. McDonald says she was inspired to run for the House after taking the Washington, D.C. Travel Course through the William S. Cohen Institute for Leadership & Public Service at UMaine. She's not sure if her twins will attend Commencement. They're still accustomed to a morning nap, she laughs. Sleep isn't something McDonald has gotten a lot of the last few years, but the rapid-fire doer and talker says, "I feel awake and alive when I have a full plate." Then she must feel energized. McDonald also is the Downeast Region representative on the state's Lobster Advisory Council and sits on Gulf of Maine Research Institute's Lobster Forecast Advisory Panel. She plans to run for re-election to the House in 2020, and she'd like to be on the Maine Climate Council. Six years ago, frustrated that fisher~~men~~'s gear didn't fit well, McDonald waged an online social media campaign about the issue. Grundéns USA listened and started making oil gear — foul-weather fishing apparel — for women. "It's imperative we have gear that allows us to do our jobs safely and efficiently," says McDonald, adding that she keeps in touch with, and supports, other women who fish. "Women should lift each other up," she says. After the Legislature adjourns this spring, McDonald will don her better-fitting gear for another lobster season aboard *Hello Darlings II*. In her 14 years on the water, first as a sternman and then as captain, she's seen a lot of changes. They include record-setting lobster landings, explosion of green crabs, decline of mussel beds, and movement of species — including black sea bass, triggerfish and squid — into the Gulf of Maine. Weekends this summer, McDonald looks forward to relaxing and taking a break from lobster traps, books, computers and the State House. She and Cory — who she describes as an amazing father and supportive partner — will camp in Western Maine or the Allagash Wilderness Waterway.

Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## UMaine to host Maine Statehood and Bicentennial Conference May 30–June 1

### 08 May 2019

The University of Maine will host the Maine Statehood and Bicentennial Conference May 30–June 1. The conference will feature a series of events, panels, presentations and concerts celebrating the unique history of Maine, its peoples, culture, politics, art and music. Registration for the conference is [online](#). The registration fee for the general public is \$60. University of Maine System faculty, staff and students may register for free. In conjunction with the conference, UMaine also will host the Maine History Festival 2:30–4:30 p.m. May 31 at the Collins Center for the Arts.

### [Watch video](#)

Students and community organizations from around the state will gather at the festival to share their research and public programs about any aspect of Maine history, society and culture. The Maine History Festival is co-hosted by the Osher Map Library at the University of Southern Maine and the Maine Folklife Center at UMaine in partnership with National History Day in Maine and the Maine Historical Society. The conference keynote event featuring Pulitzer Prize-winning historians Alan Taylor and Laurel Thatcher Ulrich will take place at 5 p.m. May 31, immediately following the festival. The Maine History Festival, which includes a reception, and the keynote are free and open to the public. Attendees do not need to register in advance. Funding for the conference is provided by the Morton-Kelly Charitable Trust and Maine Humanities Council, as well as UMaine's Clement and Linda McGillicuddy Humanities Center and President's Office. Many UMaine departments and programs are institutional partners, and other contributors include the University of Maine at Machias, University of Maine at Fort Kent, University of Maine at Augusta, University of Maine at Farmington, Maine State Museum, and Margaret Chase Smith Library. The conference is one of several events across the state to mark [Maine's bicentennial](#). The state's 200th birthday is March 15, 2020. More about the Maine Statehood and Bicentennial Conference, including a complete schedule, is [online](#). For additional information, email Liam Riordan, [riordan@maine.edu](mailto:riordan@maine.edu). For more about the Maine History Festival, email Libby Bischof, [elizabeth.bischof@maine.edu](mailto:elizabeth.bischof@maine.edu). Contact: Alan Berry, 581.1955

## Men's varsity four boat finishes fifth at New England Rowing Championships

### 08 May 2019

The University of Maine Crew Club men's varsity four boat placed fifth in the Grand Final at the New England Rowing Championships (NERC) on May 4 on Lake Quinsigamond in Worcester, Massachusetts. The boat of Garrett Robinson, Ben Duddy, Kile Gianetti, Alec Latham and coxswain Marissa Hughes completed the 2,000-meter course in 7:21.420. Bowdoin College won the race (6:57.598), followed by University Massachusetts Lowell (7:08.853) and Wentworth Institute of Technology (7:10.503). The University of Vermont (7:20.230) nipped the Black Bears (7:21.420), who had an impressive final sprint to edge Amherst College (7:21.480). Earlier in the day, UMaine bested Johnson & Wales University, Endicott College and Massachusetts Maritime Academy to advance to the Grand Final. Robinson '19, a mechanical engineering major from Eliot, Maine, was in the stroke (first) seat; Duddy '19, a civil engineering major from Cape Elizabeth, Maine, was in the No. 3 seat; Gianetti '19, a biology major from North Andover, Massachusetts, was in the No. 2 seat; and Latham '21, a marine sciences major from Sanbornton, New Hampshire, was in the bow seat. Hughes '22, a political science major from Deep River, Connecticut, was the coxswain. Dale Russell, Campus Recreation's assistant director of sport clubs and youth programs, is the club's adviser. This year and last, the student-run and student-coached UMaine Crew Club won Campus Recreation's Sports Club of the Year. And this year, Robinson, the crew club's president, won Sports Club Officer of the Year. Robinson fell in love with the sport at UVM before transferring to UMaine. He says being club president the last three years has been an honor. "Being a part of building this program has been the greatest accomplishment of my life," he says. "I am so proud of what the team has accomplished together." Rowing challenges people to be their very best and everyone in the boat succeeds or fails together, says Robinson. "We wake up early, get blisters on our hands, push our bodies to their breaking point, and then do it all again the next day. You do it for yourself but also for your team," he says. "There is no ball hog or MVP, it takes everyone doing their job in perfect time in order for the team to be successful." Duddy says rowing, which he was introduced to by his brother, builds grit, determination and camaraderie. Rowing a 2,000-meter race (1.25 miles) is equal to playing back-to-back basketball games, according to U.S. Rowing. "I've been rowing for the past seven years, starting during my sophomore year of high school," says Duddy. "Once I tried it I fell in love with it." Duddy says he's also enjoyed opportunities to get on the water in beautiful places and meet Black Bear alums and parents of UMaine students at regattas. The men's varsity four was the lone boat representing UMaine at NERC. But the team has three other student-coached boats that compete. The club, which touts nearly 20 members, has a second men's varsity four, a women's varsity four, and a women's novice four. Rowers have seven boats — six four-person shells and one two-person shell — in which to compete and practice. To prep for the eight or so regattas per year, rowers practice on the Stillwater River and work out on indoor rowing machines (ergs). In early spring, when New England's northernmost collegiate club rowers train on the river, they sometimes encounter ice chunks and large drifting logs. Alexandra Kaiser is the club president for 2019–20 and all undergraduate and graduate students interested in participating next fall are invited to email [crewumaine@gmail.com](mailto:crewumaine@gmail.com). All experience levels are welcome.

## Negotiate an international climate change agreement at the Hutchinson Center

### 08 May 2019

Have you ever wondered what it might be like to sit at a table negotiating climate policy with nearly 200 representatives from countries throughout the world? University of Maine graduate students Anna McGinn and Will Kochtitzky, who attended the annual United Nations Climate Change Conference in Poland last December, will facilitate a two-hour, interactive simulation of World Climate Negotiations 5–8 p.m. May 9 at the University of Maine Hutchinson Center. Molly Schaffler of the UMaine School of Earth and Climate Sciences and a faculty member at the Hutchinson Center also will facilitate. During the three-hour guided, interactive simulation, which is free and open to the public, participants will learn how climate negotiations work. They will experience how negotiators interact and what decisions they need to make to agree on commitments that will reduce global carbon emissions sufficiently to meet the Paris Agreement goal of keeping global warming to below 2 degrees Celsius. The lively, engaging session is designed to deepen participants' insight into the climate negotiation process and the nature of the challenges that a rapidly changing climate poses to the world's citizens and governments. Participants are assigned a country (or regional country block) to represent and are given background information. The simulation proceeds through three "formal" negotiation sessions, with time to regroup and negotiate informally with other countries between the formal negotiation sessions. The collective task is to agree on commitments and a time frame to reduce greenhouse gases, increase forestation, and contribute to a global green climate fund to meet the goals of the Paris Agreement. Commitments pledged by participants are fed into a climate policy simulation model, C-ROADS, which predicts the impact of the commitments on global temperature. The world climate simulation activity and the C-ROADS model were developed by the organization Climate Interactive in partnership with the MIT Sloan School of Management and the Climate Change Initiative at UMass Lowell. The simulation activity and model have been used to bring international climate negotiations to life with public audiences and school groups in over 850 events in 74 countries around the world since 2015. Participants need not have any particular background knowledge about negotiations or climate change; information needed will be provided at the outset of the activity. Quick access to data about countries also will be available to participants during the simulation. Facilitators McGinn and Kochtitzky are graduate students in the Climate Change Institute. McGinn is studying climate policy, and how people are adapting to the impacts of climate change at the international level, as well as at a local level, using a case study in Nicaragua. Kochtitzky is studying why glaciers in Alaska become unstable, how they are responding to climate change, and why they contribute more to sea level rise than any other group of mountain glaciers on Earth. Schaffler coordinates science programming at the Hutchinson Center, and works with middle and high school teachers to improve data literacy and climate education. The Belfast event is a collaboration between the University of Maine Hutchinson Center, the UMaine School of Policy and International Affairs, the UMaine Climate Change Institute and the Belfast Bay Watershed Coalition. A light dinner of vegetarian chili and cornbread will be served. To reduce carbon footprints participants are invited to bring their own bowls and spoons; however, paper products will be available. To register or to request a reasonable accommodation, contact Michelle Patten, 338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

## WVII covers memorial on campus for fallen soldiers

### 08 May 2019

[WVII](#) (Channel 7) covered a memorial on the University of Maine campus for two soldiers who were killed in Iraq by a roadside bomb on May 6, 2006. Staff Sgt. Dale Kelly Jr. and Staff Sgt. David Veverka, a UMaine senior, were members of the Brewer-based 172nd Infantry Regiment, also known as the "Mountain Battalion." Local veterans gather annually to remember their sacrifice at memorials in Augusta and Orono, according to WVII. UMaine officials planted a tree and installed a bench near Nutting Hall in honor of Veverka, who was a wildlife ecology student.

## WABI includes UMaine Extension Tick Lab in Lyme disease awareness report

### 08 May 2019

[WABI](#) (Channel 5) mentioned the University of Maine Cooperative Extension Tick Lab as a useful resource in a report on Lyme disease awareness. If people want a tick identified or tested for diseases, they can send it to the lab, which has "a wealth of easily accessible information and resources about Lyme disease and other tick-related infections in the state," according to the report. For more information, email [tickid@maine.edu](mailto:tickid@maine.edu) or visit the lab's [website](#).

## News Center Maine quotes Abedi in report on sleep study

### 08 May 2019



[News Center Maine](#) quoted Ali Abedi, a professor of electrical and computer engineering and president and CTO of Activas Diagnostics, a University of Maine spinoff company, in a report on a study the company is conducting. Abedi and others at Activas Diagnostics have developed a device called SleepMove, which is a fitted mattress sheet equipped with sensors that can detect brain injury by measuring sleep movement patterns. A benefit of this device is that participants can sleep in their own bed during the study, rather than in a sleep clinic that may be uncomfortable and prevent accurate results from being collected, according to the report. “We can give (participants) a fitted sheet with sensors. They don’t see them, they don’t feel them. Then we can get much better natural results,” said Abedi. “We hope that after hundreds of tests have been done, we can detect the early onset of Alzheimer’s disease — we can detect problems with the brain before it’s too late to cure them.” Those interested in participating in the study can email [jessica.aronis@maine.edu](mailto:jessica.aronis@maine.edu).

#### **BDN interviews Lichtenwalner for article about broody hens**

**08 May 2019**

The [Bangor Daily News](#) interviewed Anne Lichtenwalner, an associate professor of animal and veterinary sciences and director of the Veterinary Diagnostic Laboratory at the University of Maine, for an article about broody hens. When a hen is broody, she stops laying and sits on a clutch of eggs or other objects to try to hatch them. “It’s really part of their natural behavior. Sitting on eggs is supposed to happen, of course, but you don’t want them to go all broody,” said Lichtenwalner. Broody hens can exhibit characteristics like gravitating toward a dark corner of the coop, plucking their chest feathers to make a bald spot to warm the eggs, or becoming aggressive, according to the article. And they rarely leave the nest, which can create health problems if they do not take the time to eat or drink. “Sometimes as a chicken owner you can make things better by re-evaluating the coop situation,” said Lichtenwalner. “Do you have enough square footage? Do your birds have enough to do other than pick on each other?” She recommends preventing boredom by giving the hens fibrous vegetables or other interesting food, and creating interesting perches and new nesting boxes. “There are two main components to keep a hen from going broody in the first place,” Lichtenwalner said. “For me, it’s really very simple. Check your coop at least once a day, remove the eggs and keep things clean and interesting for the hens.”

#### **UMaine’s 217th Commencement listed in BDN roundup of Maine graduation ceremonies**

**08 May 2019**

The University of Maine’s 217th Commencement ceremonies were included in a [Bangor Daily News](#) roundup of graduation ceremonies in Maine this weekend. More than 1,700 undergraduate and graduate students, including upward of 40 doctoral candidates, will be recognized at ceremonies May 10–11 in the Alford Sports Arena, the article states. The Graduate School Commencement for master’s degree and certificate of advanced study students will be at 4 p.m. May 10, with an address by Doug Hall, alumnus, inventor and founder of Eureka! Ranch. The Commencement ceremonies for doctoral candidates and bachelor’s degree students will be at 9:30 a.m. and 2:30 p.m. May 11, with an address by Bridget Ziegelaar, alumna, Old Town native and operations manager for NASA’s International Space Station Research Integration Office. Both the morning and afternoon ceremonies are ticketed events. All ceremonies will be [livestreamed](#), and tips for attending Commencement are [online](#), the BDN reported. Additionally, five cadets will be commissioned in an Army ROTC ceremony at 11 a.m. May 10 in Minsky Recital Hall, a midshipman from UMaine Naval ROTC will be commissioned in a ceremony at 11 a.m. May 11, and the Pinning Ceremony for the School of Nursing will be held at 7 p.m. May 10 in the Collins Center for the Arts, according to the article. More information is [online](#).

#### **Mainebiz reports UMaine students win awards at international business competition**

**09 May 2019**

[Mainebiz](#) published a University of Maine announcement reporting a team of UMaine students from the Maine Business School won two awards at the 2019 International Collegiate Business Strategy Competition in California. The team won first place in “Written Documents” and second place in “Overall Performance” in one of five “worlds” competitions, the article states. The competition was a yearlong simulation requiring teams to manage all aspects of a company for 20 quarters. The UMaine team included Eduardo Anzurez, Alison Berube, Thomas Giggey, Casco Haley, Megan Howes and Samuel Varga. They were advised by Matt Skaves, lecturer in finance and accounting; Jason Harkins, associate professor of entrepreneurship; and John Mahon, John M. Murphy Chair of International Business Policy and Strategy and professor of management. The students presented their award-winning entry to UMaine faculty on campus May 7, according to the article.

#### **Morning Ag Clips previews UMaine Extension spring planting workshop**

**09 May 2019**

[Morning Ag Clips](#) previewed a University of Maine Cooperative Extension spring planting workshop to be held 6–7 p.m. May 28 at Rogers Farm in Old Town. Participants will learn best practices for planting ornamental seedlings, dahlias, hops and vegetable transplants, and how to sow flower and vegetable seeds directly into the garden. The workshop will include a tour of the different theme gardens and an opportunity to try different planting techniques, the article states. Discussions will include butterfly habitat, renovating overgrown perennial beds, irrigation and soil preparation. The event is free and open to all ages; registration is not required and rain date is June 4. For more information or to request a reasonable accommodation, contact Kate Garland, 942.7396; [katherine.garland@maine.edu](mailto:katherine.garland@maine.edu).

#### **Maine Women Magazine reports on Margaret Chase Smith Recipe Research Collaborative**

**09 May 2019**

[Maine Women Magazine](#) published an article on a University of Maine research group inspired by the recipe collection of politician Margaret Chase Smith. The Margaret Chase Smith Recipe Research Collaborative formed in fall 2018 to support an interdisciplinary group of students and faculty who are passionate about food and interested in studying the role of recipes and cooking in politics and public life, as well as issues related to history, gender and the environment. The group was started by Amy Blackstone, a professor in the Department of Sociology and Margaret Chase Smith Policy Center, and Rachel Snell, a lecturer in the Honors College. “I find it so inspiring to look at the strategies that women used to be involved in politics,” Blackstone says. “Women still live with this bind of having to demonstrate their competence or commitment to all spheres.” Research done as part of the group by UMaine students Makenzie Baber, Dominique DeSpirito, Caitlin Hillery and Harley Rogers also was mentioned in the article. “When people do remember Margaret Chase Smith, they remember her as a politician,” Rogers said. “This collaborative is working to show another side of her. And we’re hoping to publish a cookbook with her recipes with vignettes and research sprinkled in.”

#### **Hargest recent guest on Maine Public’s ‘Maine Calling’**

**10 May 2019**

Pamela Hargest, a horticulture professional with University of Maine Cooperative Extension, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. The show’s topic was springtime gardening advice, including how to prepare and nurture flowers, vegetables, lawns and other plants.

#### **CapeCod.com reports UMaine scallop research to receive NOAA, NEFMC grant**

**10 May 2019**

[CapeCod.com](#) reported a University of Maine research survey is among 13 projects to receive funding from the Sea Scallop Research Set-Aside (RSA) Program run by NOAA Fisheries Northeast Fisheries Science Center and the New England Fishery Management Council (NEFMC). The program is designed to address research questions that support management of the sea scallop resource, the article states. UMaine will collaborate with the Maine Department of Marine Resources to conduct a dredge survey in select parts of the Gulf of Maine federal waters to provide scallop biomass estimates, according to CapeCod.com.

#### **WVII announces bog boardwalk call for volunteers**

**10 May 2019**

[WVII](#) (Channel 7) announced the Orono Bog Boardwalk is calling for volunteers this weekend to help get the boardwalk ready for opening day later this month. According to the boardwalk director, Jim Bird, 47 sections are being replaced as part of an ongoing project. Located on the eastern edge of the Rolland F. Perry City Forest — commonly known as the Bangor City Forest — the boardwalk is jointly managed by the University of Maine, city of Bangor and the Orono Land Trust. Volunteers have been helping build and maintain the boardwalk for the last nine years, according to WVII. Anyone interested in helping can contact Bird at 944.0434; [james.bird@maine.edu](mailto:james.bird@maine.edu).

## BDN advances Ph.D. student's talk on woodcock research

10 May 2019

In an article about woodcocks, the [Bangor Daily News](#) reported Alexander Fish, a University of Maine doctoral candidate in wildlife biology who studies woodcocks, will present research findings May 10 at the Fields Pond Audubon Center in Holden. Fish uses GPS tracking to study the birds' migratory patterns to try to learn more about their population decline, according to the BDN. His free talk will begin at 7 p.m., preceded by a potluck at 6 p.m., and is part of the Maine Audubon Penobscot Valley Chapter's annual meeting.

## WVH, Q106.5 FM report traffic expected for UMaine commencement ceremonies

10 May 2019

[WVH](#) (Channel 7) and [Q106.5 FM](#) reported University of Maine Commencement-related traffic is expected in the Orono area Friday and Saturday. Maine Department of Transportation highway signs on Interstate 95 are warning of traffic delays at exits 191 and 193, the closest to the UMaine campus, WVH reported. Commencement events begin May 10 with the Graduate School Commencement at 4 p.m. at the Alford Arena, and the Pinning Ceremony for the School of Nursing at 7 p.m. in the Collins Center for the Arts. On May 11, graduates of the College of Education and Human Development, College of Liberal Arts and Sciences, Division of Lifelong Learning and Maine Business School will participate in the morning Commencement ceremony at 9:30 a.m. at the Alford Arena. Graduates of the College of Engineering and College of Natural Sciences, Forestry, and Agriculture will participate in the afternoon ceremony at 2:30 p.m. May 11 at the Alford, Q106.5 FM reported. Anyone who needs to travel to or through the area on those days should plan for extra time to reach their destination, according to the reports.

## Journal of the North Atlantic & Arctic interviews Mayewski about glacial melt

10 May 2019

Paul Mayewski discussed "Why Our Glaciers are Melting — The Simple Truth" in the May issue of the [Journal of the North Atlantic & Arctic](#). The director of the University of Maine Climate Change Institute said while "glaciers have always fluctuated in size and shape ever since glaciers existed on Earth ... [w]hat is different today is that greenhouse gases are rising higher and faster than anything any time over at least the last 800,000 years and likely much longer. This greenhouse gas change is solely due to human activity: CO2 rise due to the burning of fossil fuels, ozone depletion due to ozone-killing substances emitted by humans, and methane due to agricultural activities and now permafrost melting." Mayewski, who has led nearly 60 expeditions in more than four decades, said, "Realistically for glacier melt to slow or stop, there is only one way to make that happen and that would be to return temperatures to pre-massive melt times, which means several decades ago." He encouraged readers — including the public, journalists and scientists — interested in learning more to visit the CCI's [Climate Reanalyzer](#) site.

## UMaine graduates urged to pursue their goals and dreams — even if they seem out of reach

11 May 2019

Old Town native and NASA manager Bridget Ziegelaar told University of Maine's newest graduates to have faith in themselves, trust their potential, and not abandon dreams and goals because they seem out of reach. "Although I had been fascinated by outer space since I can remember, I often saw my goal of working in the aerospace field as unattainable," said [Ziegelaar](#), addressing the 217th Commencement ceremonies May 11 at her alma mater. "Unable to see a credible road that would lead from Old Town to NASA, I had all but abandoned that idea when I graduated from high school. Fortunately, I had a teacher who believed in my ability and helped give me the confidence I needed to pursue my dream. "He wouldn't let me give up on seeking my destination just because I lacked directions to get there," Ziegelaar said. "Twenty-three years ago when I was sitting where you are now, I never imagined being back here under these circumstances." Ziegelaar, the operations manager for NASA's International Space Station Research Integration Office, said UMaine gave her "the foundation I needed to be successful in my chosen field." "I can honestly say that the four years I spent at the University of Maine were some of the best years of my life," said Ziegelaar. "They have propelled me farther than I ever thought possible. I have spent decades now working side by side with brilliant people from the best universities in the country, and I have never, not once, felt less educated, less prepared or less capable than anyone else. That is a testament to the outstanding programs at the University of Maine. "What makes UMaine so special is what hasn't changed since my time here; the values — kindness, respect, integrity, and a love of teaching and learning forever represent this university and are instilled in all those who go here." More than 1,700 undergraduate and graduate students, including upward of 40 doctoral candidates, participated in UMaine Commencement ceremonies May 10–11 in Alford Sports Arena. The Graduate School Commencement for master's degree and certificate of advanced study students was May 10, with 2,000 family members, friends and colleagues in attendance. The Graduate School Commencement address was by alumnus and inventor Doug Hall, founder of Eureka! Ranch. Nearly 10,000 spectators attended the 217th Commencement ceremonies for doctoral candidates and bachelor's degree students at 9:30 a.m. and 2:30 p.m. May 11. [Florence Reed](#) of Surry, founder of Sustainable Harvest International, received an honorary degree in the morning ceremony. Also honored were valedictorian [Drew Brooks](#) of Lyman, Maine, and salutatorian [Ana Eliza Souza Cunha](#) of Orono. Brooks was a double major in microbiology and music, with a minor in molecular biology. He received two bachelor's degrees — one in microbiology, and one in music. Souza Cunha, a biology major with minors in neuroscience and psychology, and a concentration in pre-medical studies, received a bachelor's degree in biology. The Honors student also was the Outstanding Graduating Student in the College of Natural Sciences, Forestry, and Agriculture. Like Ziegelaar, the 2019 Distinguished Maine Professor [Sandra Caron](#) also talked about the difference one person can make. In her address, Caron noted that "it's easy to forget what power we have to change the lives of others, and the influence those we admire have on us." "At any given moment, someone is looking up to you, following your example and taking your words to heart," said Caron, a professor of family relations and human sexuality, and UMaine alumna. "Every day, you have the power to lift that person up. The value of our lives doesn't come from our degrees, the money we earn or the size of our house. It comes from using the influence we have for good, in lifting others up so that they can do the same." Caron was recognized at the President's Faculty Recognition Luncheon May 11, along with three [Presidential Award winners](#): Susan McKay, RiSE Center director and professor of physics, the 2019 Presidential Public Service Achievement Award; Jennifer Tyne, a lecturer in mathematics, the 2019 Presidential Outstanding Teaching Award; and Jasmine Saros, professor of paleoecology in the School of Biology and Ecology, and associate director of the Climate Change Institute, the 2019 Presidential Research and Creative Achievement Award. Videos of the [Graduate School Commencement Ceremony May 10](#), the [Morning Commencement Ceremony May 11](#), and the [Afternoon Commencement Ceremony May 11](#) are online. Contact: Margaret Nagle, 207.581.3745

## Morning Ag Clips reports registration open for 4-H June Jamboree

13 May 2019

[Morning Ag Clips](#) reported registration is open for University of Maine Cooperative Extension 4-H's annual June Jamboree that begins at 5 p.m. June 14 and ends after lunch June 16, at Fryeburg Fairgrounds. The event for Maine 4-H families is designed to help youth learn about the care, health and wellness of livestock; fitting and showmanship; and zoonotic diseases, the article states. The cost is \$20 and \$10 for each additional family member, and includes tent/camper space and meals. Required registration is [online](#). For more information or to request a reasonable accommodation, call 743.6329.

## Turner Publishing, Advertiser Democrat advance UMaine Extension South Paris cleanup

13 May 2019

[Turner Publishing](#) and the [Advertiser Democrat](#) advanced a spring cleanup day at 9 a.m. June 1 at the University of Maine Cooperative Extension Oxford County office in South Paris. Volunteers are needed to prepare the grounds for the summer season, according to the articles. Outdoor work attire is recommended, and coffee, water, snacks and pizza will be provided. Rain date is June 8, according to the Advertiser Democrat. For more information or to request a reasonable accommodation, call 743.6329 or email [extension.oxford@maine.edu](mailto:extension.oxford@maine.edu).

## VillageSoup previews Heather Hamlin's lobster talk

13 May 2019

[VillageSoup](#) previewed a talk by Heather Hamlin, associate professor in the University of Maine School of Marine Sciences, about the impact of ocean acidification on Maine's lobster population. The talk will be at noon May 21 at Merryspring Nature Center in Camden. Hamlin will discuss her research on how lower water pH affects the life cycle of lobsters and what that could mean for Maine's lobster industry. She'll also predict long-term trends of acidification in the Gulf of Maine, the article states. The lecture is part of the Spring Talk Series at Merryspring; admission is \$5 or free for Merryspring members. For more information, call 236.2239 or email [info@merryspring.org](mailto:info@merryspring.org).

## BDN reports UMaine engineering students help plan Orrington business park

13 May 2019

The [Bangor Daily News](#) reported a group of University of Maine engineering students helped plan a business park in Orrington for their senior capstone project. According to the article, Orrington has been waiting more than 10 years to develop an industrial park

along the Penobscot River, where companies produced paper-making chemicals for decades. The Riverfront Industrial Park has been in progress since the Maine Department of Environmental Protection approved the town's request in March 2018. The park could host offices, manufacturing businesses, greenhouses or other enterprises, the article states. Students Brody Campbell, James Costigan, Morgan Cram, Andrew Kurmin and Sean Mackintosh's presentation for town officials covered what might be needed to develop the property, including an access road that would last 50 years, a stormwater drainage system, fire hydrants and a system for bringing water on site, as well as cost estimates. Town selectmen considered the students' plan a "jumping-off point" for a blueprint to be finalized later this year, the BDN reported.

#### **Gill quoted in Quartz article on GEDs, community college**

**13 May 2019**

Jaquelyn Gill, an assistant professor of paleoecology and plant ecology at the University of Maine and a well-known science communicator, was quoted in a [Quartz](#) article about GEDs and community college. The General Educational Development (GED) is a test resulting in a diploma for students who do not complete traditional high school. The article focused on the value and benefits of GEDs and community colleges, despite stereotypes that they are inferior to a traditional high school education and a four-year education at a more selective institution. Gill responded to the Quartz author's post on Twitter opening the conversation about GEDs. "I have a #GED!" Gill tweeted. "Don't let anyone tell you you're less deserving because of the path you took."

#### **Press Herald speaks with Groden about browntail moths**

**13 May 2019**

The [Portland Press Herald](#) spoke with Eleanor Groden, a professor of entomology at the University of Maine, for the article "This season may be the worst yet for browntail moths in Maine." The caterpillars of the browntail moth feed on oak leaves. Their hairs, which can remain toxic for years, can cause a poison ivy-like rash and respiratory problems in people who come into contact with them. The range of high-risk areas for infestation has expanded across many Maine towns, and this season is predicted to be the worst in recent memory, with the high season for the caterpillars lasting from mid-May to mid-June, the article states. Browntail moth infestations are cyclical and weather-dependent, and Maine's problem has worsened in the past five years. While the moth has no natural predators, a fungus can sometimes appear after a particularly wet spring and kill some of them, according to the Press Herald. "If we get a wet April, the caterpillars are still protected very well in their webs," said Groden, who noted a wet spring would only temporarily reduce numbers. "They thrive in dry weather." Research on how to reduce the moth population is in early stages and focuses on finding a biological treatment to weaken webs over the winter so cold, windy days could destroy them. "We have a walk-in cooler (at UMaine) filled with caterpillars in their webs. We are just beginning to understand the winter web integrity, the chemical structure of the webbing, and what makes them so strong," said Groden. Aerial sprays and chemical pesticides may not be effective and raise environmental concerns. Tree trimming also is not a highly effective method of browntail moth population reduction, according to Groden. [The Times Record](#) published the Press Herald article.

#### **Grad student's research shows ticks surviving winter, News Center Maine reports**

**13 May 2019**

[News Center Maine](#) reported research by Michelle Volk, a University of Maine graduate student tracking tick migration in northern and Down East Maine, that shows ticks survive winter in some areas. Aroostook County is the only Maine county where deer ticks, which carry Lyme disease, have not been spotted yet, according to the report. Volk placed tick nymphs in bottles to trap them, and buried the traps in the ground from fall to April, monitoring them in different types of conditions. Three percent of ticks without insulation from leaf cover survived, while 90 percent of the insulated ones did. Volk plans to use the data to make a tick-trapping map to let the public know where deer ticks are located in Maine, especially in areas reporting low numbers of Lyme disease cases, the article states. "We really have no definite idea where they are surviving in northern and western Maine," said Volk. "This data is key to give us new insight and how they are able to migrate and where they are heading."

#### **AP reports on UMaine Machias commencement**

**13 May 2019**

The Associated Press reported the University of Maine at Machias was the last of the University of Maine system campuses to hold its commencement ceremony. The 108th UMaine Machias commencement May 12 was attended by University of Maine President Joan Ferrini-Mundy, who attended UMaine commencement ceremonies May 11 in Orono. Dwayne Tomah, Passamaquoddy language teacher, gave the commencement address in Machias, according to AP. [WABI](#) (Channel 5), [U.S. News & World Report](#), Houston Chronicle and The Eagle carried the AP report.

#### **Media cover UMaine's 217th Commencement**

**13 May 2019**

The [Bangor Daily News](#), [WABI](#) (Channel 5) and [WVJ](#) (Channel 7) covered the University of Maine's 217th Commencement ceremonies on May 11. The event was Joan Ferrini-Mundy's first commencement as UMaine president, the BDN reported. Bridget Ziegelaar, operations manager for NASA's International Space Station Research Integration Office, Old Town native and UMaine alumna, gave the commencement address at the 9:30 a.m. and 2:30 p.m. ceremonies in Alfond Arena. "Teamwork is what will help you succeed," Ziegelaar told the more than 1,700 undergraduate and graduate students, including upward of 40 doctoral degree candidates, receiving degrees. Sandra Caron, UMaine professor of family relations and human sexuality and the 2019 Distinguished Maine Professor, talked about the impact of faculty on the lives of students, the BDN reported. "That's what faculty members do: encourage students to follow their dreams, and provide a path to it. It's personal. It's those one-on-one interactions that can affect positive change in the world," said Caron. Drew Brooks, Class of 2019 valedictorian and recipient of a double degree in microbiology and music, said, "I think engaging different parts of your mind is how you're able to think differently and look at things in a new way. I think balance is everything. Work hard, study hard, play hard. Doing a dual degree has been really helpful in getting into medical school, and so that is the next step for me. I think that the University of Maine really set me up to achieve my goals and get me to where I needed to be." Ana Eliza Souza Cunha, Class of 2019 salutatorian and recipient of a degree in biology, said, "The University of Maine had so much research potential. They gave me so many different experiences that set me up to work at Boston Children's Hospital in clinical research now. So, that's where I am headed and I am so excited for it." The [BDN](#), [News Center Maine](#) and [Z107.3](#) also posted links to the livestream for the Commencement ceremonies, and the BDN published a [gallery](#) of photos from the morning ceremony.

#### **Melvin McClure passes away**

**13 May 2019**

Melvin McClure, 89, University of Maine professor emeritus of accounting and an alumnus, passed away May 8. Professor McClure taught for 28 years, according to his obituary. Funeral service details are [online](#). The University of Maine Foundation has established the [Melvin T. McClure Scholarship Fund](#).

#### **Undergraduate research training session to be offered June 12**

**14 May 2019**

The University of Maine Office of Research Compliance will hold a Responsible Conduct of Research training 1–4:30 p.m. June 12 in Hill Auditorium, Barrows Hall. The session is for undergraduate students participating in research sponsored by NSF, NIH and/or USDA-NIFA. More information and a registration link are online. Registration is required by June 5.

#### **UMaine alumni among 2019 County Teachers of the Year in Maine**

**14 May 2019**

University of Maine alumni were among those honored last week as County Teachers of the Year by the Maine Department of Education and Educate Maine. Of the 15 educators recognized, six have degrees from UMaine:

- Androscoggin County Teacher of the Year: Shawn Rice, B.A. in studio arts/arts education
- Aroostook County Teacher of the Year: Kimberly Barnes, M.Ed. in educational leadership
- Franklin County Teacher of the Year: Robert Taylor, M.S. in secondary education

- Knox County Teacher of the Year: Thomas Gray, M.A. in social studies education and M.A. in history
- Penobscot County Teacher of the Year: Tracy Deschaine, B.S. in biochemistry
- Somerset County Teacher of the Year: Katherine Bertini, M.Ed. in curriculum, assessment and instruction

County Teachers of the Year are nominated by members of their community and selected by a panel of teachers, principals and business community members based on their service in education and dedication to their students. The field of 15 will be narrowed to eight semifinalists, who will put together a professional portfolio, part of the National Teacher of the Year process. Three finalists will be named following a portfolio review and presentations to a select panel. The 2020 Maine Teacher of the Year will be named in October. More information about the 2019 County Teachers of the Year is on the Maine Department of Education [website](#).

#### Mainebiz reports on Top Gun Showcase finalists

14 May 2019

[Mainebiz](#) reported 10 companies will compete in the 2019 Top Gun Showcase at the University of Southern Maine. The Maine Center for Entrepreneurs and its partners — the University of Maine, Lewiston Auburn Economic Growth Council, MaineStream Finance, and the Harold Alfond Institute for Business Innovation at Thomas College — recently named 10 winners of the program's regional semifinal pitch events in Bangor, Lewiston-Auburn, Portland, Rockland and Waterville. Participating entrepreneurs presented five-minute pitches to a panel of judges, followed by a brief question-and-answer period, according to the article. Scoring was based on presentation, innovation, scalability and feasibility. The top two finishers from each location will compete May 23 for two \$25,000 cash prizes, Mainebiz reported.

#### Dill speaks with BDN about this year's tick season

14 May 2019

The [Bangor Daily News](#) interviewed Griffin Dill, an integrated pest management professional with University of Maine Cooperative Extension, for the article, "What to expect for this year's tick season in Maine." Snow protects and insulates overwintering ticks, according to the article. Since the state experienced a relatively snowy winter, Dill said he doesn't expect reduced tick numbers or activity this year. In addition to Lyme disease, Maine has seen a steady increase in reported cases of two other diseases that are transmitted by the black-legged tick: anaplasmosis and babesiosis, the BDN reported. "We've seen some of the same pattern in other states," Dill said. "It seems like Lyme disease kind of comes in first and has this steady increase in the number of cases, and then anaplasmosis comes in behind it, and then babesiosis." Lyme disease and other tick-borne diseases are treatable and most individuals recover completely with proper treatment; however, the easiest way to avoid these diseases is to be vigilant about protecting yourself from ticks, the article states. "We want people to be aware of ticks, but we don't want them to be afraid of ticks," Dill said. "We want people to go outside and do all the things Maine has to offer. Just take those precautions, whether it's using repellents or covering up — and do tick checks." For more information on how to protect yourself from ticks and to learn how to send ticks in for free identification, the article suggested visiting the UMaine Tick Identification Lab [website](#). [Machias Valley News Observer](#) also spoke with Dill about tick disease prevention, and [WGME](#) (Channel 13 in Portland) published the BDN report.

#### UMaine awarded \$250,000 U.S. Forest Service Wood Innovation Grant, media report

14 May 2019

[WAGM](#) (Channel 8 in Presque Isle), [Biomass Magazine](#), [Republican Journal](#), [Mainebiz](#) and the [Kennebec Journal and Morning Sentinel](#) reported on recent funding awarded by the U.S. Forest Service's Wood Innovation Grant Program. U.S. Sens. Susan Collins and Angus King, a cofounder of the Senate Working Forests Caucus, applauded the [announcement](#) that the University of Maine and GO Lab, Inc. in Belfast have each been awarded \$250,000 to support environmentally sustainable innovation and help expand markets for Maine's forest products, WAGM reported. "Maine's forest economy plays a vital role in the state's economy, and it is critical that this industry has the tools it needs to adapt to changing markets," Collins and King said in a [joint statement](#). "The funding will help the GO Lab, Inc. and the UMaine teams develop new products and opportunities for the forest industry and support rural communities that rely on it. We look forward to supporting these efforts to help Maine's forest economy continue to grow and thrive." UMaine was awarded funds for modeling, siting and engineering a biomass power system to supply the energy needs of its Orono campus, according to media reports.

#### New UMaine Extension dean to talk May 20 in Lisbon Falls

15 May 2019

Hannah Carter, the new dean of University of Maine Cooperative Extension, will be the keynote speaker at the Androscoggin-Sagadahoc Counties Extension Association's (ASCEA) annual meeting at 6 p.m. May 20 at the Extension office in Lisbon Falls. Election of ASCEA officers also will be held. The association is recruiting new members. In partnership with UMaine Extension staff, members of each county Extension association give input on educational programming needs and oversee county budget appropriations that support Extension educational programs for county residents. The meeting is open to the public, as is the dessert and coffee social following the meeting. For more information or to request a reasonable accommodation, call 207.353.5550 or email [melissa.freeman@maine.edu](mailto:melissa.freeman@maine.edu).

#### Training exercise in Coburn Hall expected May 16–17

15 May 2019

Orono Fire Department is expected to conduct a training exercise in Coburn Hall May 16–17. Fire trucks will be in the vicinity.

#### National Academies campus visit on May 21–22

15 May 2019

Next week, staff from the National Academies of Sciences, Engineering, and Medicine will be in Orono to talk about three recent reports that will be of great interest to faculty, staff, and graduate students. On Tuesday, May 21, National Academies staff will provide an overview of report recommendations, and the university community will be encouraged to participate in discussions about how the recommendations could be implemented. Wednesday morning at 9, Vice President for Research and Dean of the Graduate School Kody Varahramyan, Senior Associate Provost Jeff St. John, and President Joan Ferrini-Mundy will provide an update on the Strategic Visioning and Values process, and the University of Maine System R&D plan, and how the recommendations from the National Academies will help guide the implementation of these two major initiatives. Both events will take place in Wells Conference Center. More information and registration are [online](#). The reports that will be discussed:

- [Graduate STEM Education for the 21st Century](#)
- [Integration of Arts and Humanities and Science, Engineering, and Medicine in Higher Education: Branches from the Same Tree](#)
- [Sexual Harassment of Women: Climate, Culture, and Consequences in Academic Sciences, Engineering, and Medicine](#)

#### UMaine Extension mentioned in Forecaster article on gleaning

15 May 2019

The [Forecaster](#) reported the Cumberland County Food Security Council recently received a \$25,000 grant from the Harvard Pilgrim Healthy Food Fund to help expand its gleaning program, which provides access to fresh fruits and vegetables to about 12 local food aid organizations. Through the first couple years of the initiative, the food council has gleaned more than 15,000 pounds of produce from seven area farms, according to the article. The food council also works with the University of Maine Cooperative Extension and the Maine Gleaning Network, among others, which provide expertise and food distribution help, the article states.

#### Grad student to present at ocean life conference, Mount Desert Islander reports

**15 May 2019**

[Mount Desert Islander](#) advanced the fourth annual regional Gulf of Maine and Ocean Life Conference May 19–20 in Bar Harbor. The conference, which is hosted by Allied Whale and the Bar Harbor Whale Watch Co., will include 12 spoken presentations on subjects ranging from oceanography to whales and everything in between, according to the article. Among the scheduled speakers is University of Maine graduate student Catlin Ames, who will discuss research on sturgeon in Maine rivers, the article states.

**The Quoddy Tides speaks with Kryszak, students about ‘When the Chevy Breaks’ documentary**

**15 May 2019**

[The Quoddy Tides](#) interviewed Alan Kryszak, an interdisciplinary fine arts faculty member at the University of Maine at Machias, and UMaine Machias students, about their documentary film “When the Chevy Breaks (How Small Towns Fix Big Problems).” The film was produced by students in Kryszak’s Downeast Documentary course, and is the third in a series, the article states. “Questions were deliberately not scripted,” said Kryszak about the filmmaking process. “The opening question, ‘Can you talk about a problem you have solved, or how are problems dealt with in Down East Maine?’ launches a unique, interesting and organic story as the students listen [and capture].” The assignment from day one of the class was to “capture people, light and any story that relays how someone solves a problem, living in remote areas where outside help is not always there,” according to Kryszak. “The theme got my brain going. It was a tool,” said UMM student Sophie Squire. “[Kryszak] was technical, but also very adamant about the art behind it, and he described a lot of the technical nuances of how you can portray your creativity in film,” said UMM Early College student Alexis Morrill. “The biggest thing was when you were interviewing people — that whole scenario — there’s a camera, there’s people around this one person, and this person’s kind of putting their heart out, and putting it out on film, and everyone’s going to watch it. It’s a lot,” said UMM student Christopher Palmiotto. Other student filmmakers this year included Alex Blackie, Kayla Cater, Eric Darby, Jesse Gray, Brooke Hachey, Lucas Logan, Abdalla Mostafa, Holly Preston, Will Rittenhouse, Miranda Sutton and Trevor Tanski, The Quoddy Tides reported. County Wide Free Press also previewed the April 24 UMM premiere of the film.

**CNN News18 interviews Allen about Gandhi book**

**15 May 2019**

India’s [CNN News18](#) published an interview with University of Maine professor Doug Allen about his latest book, “Gandhi After 9/11: Creative Nonviolence and Sustainability.” In the book, the UMaine philosophy professor argues that Gandhi offers the most profound and influential theory, philosophy and engaged practices of ahimsa or nonviolence, the article states.

**Z107.3 previews Clean Sweep Sale**

**15 May 2019**

[Z107.3](#) reported the University of Maine will hold the annual Clean Sweep Sale 11 a.m.–5 p.m. May 24 and 8 a.m.–1 p.m. May 25 in Alford Arena. Items for sale were donated by the university or students who moved out of the dorms at the end of the semester. The event is organized by UMaine’s Bodwell Center for Service and Volunteerism. All of the money generated from the sale will be used to support students either by purchasing food for the Black Bear Exchange food pantry or purchasing supplies for student volunteer projects and programs, the report states.

**WABI interviews LaCroix during National Police Week**

**15 May 2019**

[WABI](#) (Channel 5) spoke with University of Maine Police Chief Roland LaCroix for a report during National Police Week. LaCroix referred to police officers as a “jack of all trades,” saying they need to have multiple abilities to deal with all sorts of different situations, scenarios and temperaments on a daily basis. “They’ve got a lot of tricks in their bag,” he said. His department on the Orono campus deals with a smaller geographical area to cover and a different demographic within it, WABI reported. “The majority of our population is 18 to 22 years old. Here at the University of Maine, we are very diverse, probably the most diverse community in a concentrated area in the whole state of Maine,” he said, adding that those factors make being a campus police officer different than for a municipality. “Then we have an opportunity, maybe, hopefully, to have a positive influence on some young person’s life.” LaCroix said recruitment is down for his department and many around the state and country. Those interested in applying can do so through the UMaine Police Department’s [website](#).

**Hamlin, Harrington speak with WVII about lobster research**

**15 May 2019**

[WVII](#) (Channel 7) interviewed scientists at the University of Maine’s Aquaculture Research Center about how increased water temperature and acidity may be affecting Maine’s lobsters. “We know that ocean acidification is increasing. We know that temperature is increasing. We’re trying to look at these end-century predicted temperatures and pHs,” said Heather Hamlin, an associate professor in the UMaine School of Marine Sciences. Amalia Harrington, a postdoctoral researcher in Hamlin’s lab, has been studying lobsters for several years. Harrington said the Gulf of Maine is warming much faster than other regions in the world. “It’s also experiencing these seasonal changes in terms of the chemistry, and that’s making it more acidic,” she said. “We want to know what’s going on inside the animals. We look at their blood chemistry as well as their heart rate.” Through early research, after increasing temperature and acidity in the water, Harrington found how some of these conditions could impact adolescent female lobsters, the report states. “Those animals that experienced a more acidic environment that could be occurring at the end of the century in the Gulf of Maine, they have a lower tolerance, so they can’t maintain heart function at as high of a temperature as those lobsters under current conditions when it comes to pH,” said Harrington, who is now trying to understand the long-term effect on the species. “Down the line, I’d really like to look at if they are investing as much energy into reproduction as you would hope to have a successful next generation of lobsters,” she said.

**Maine INBRE program renewed for five years**

**16 May 2019**

MDI Biological Laboratory has received an award of nearly \$18 million grant from the National Institute of General Medical Sciences, an institute of the National Institutes of Health, to renew a program focused strengthening biomedical research and research training in Maine. The grant will fund the 18-year-old Maine INBRE (IDeA Network of Biomedical Research Excellence) program for another five years. MDI Biological Laboratory founded the statewide collaborative network of 13 educational and research institutions, including the University of Maine and its regional campus, the University of Maine at Machias (UMM). “Maine INBRE is a critical component in building the state’s research capacity, including training tomorrow’s biomedical workforce,” said UMaine President Joan Ferrini-Mundy. “The opportunities this initiative has provided undergraduate and graduate students and faculty at UMaine and UMM demonstrate the value of statewide partnership and what we can accomplish, together, to make a difference in biomedical research and education in the state and beyond.” A full news release about the grant is [online](#).

**Spring planting workshop offered May 28 at Rogers Farm**

**16 May 2019**

University of Maine Cooperative Extension is offering a spring planting workshop 6–7 p.m. May 28 at UMaine’s Rogers Farm in Old Town. The rain date is June 4. Participants will learn best practices for planting ornamental seedlings, dahlias, hops and vegetable transplants, as well as how to sow flower and vegetable seeds directly into the garden. The workshop will include a tour through theme gardens and the opportunity to try different planting techniques. UMaine Extension Master Gardener Volunteers and staff will discuss butterfly habitat, renovating overgrown perennial beds, irrigation and soil preparation. The event is suitable for both new and experienced gardeners. The workshop is free and appropriate for all ages; no registration is required. For more information or to request a reasonable accommodation, contact Kate Garland, 207.942.7396; [katherine.garland@maine.edu](mailto:katherine.garland@maine.edu). More information also is on the Rogers Farm Demonstration Garden [website](#).

**MLK Plaza mentioned in Press Herald article on proposed Portland memorial**

**16 May 2019**

The University of Maine was mentioned in a [Portland Press Herald](#) article about the city seeking applications from artists to create a memorial to honor Martin Luther King Jr. The memorial would be placed in an open area on the Bayside Trail in the city’s West Bayside neighborhood, according to the article. Although King never visited Portland, he did speak in Brunswick and Biddeford. UMaine dedicated its Dr. Martin Luther King Jr. and Coretta Scott King Memorial Plaza at the Orono campus on the 40th anniversary of



King's death, the article states.

#### **Morning Ag Clips advances Christmas tree production workshop**

**16 May 2019**

[Morning Ag Clips](#) reported on a Christmas tree production workshop to be held 9 a.m.–noon June 7 in South Paris. The event is co-hosted by the University of Maine Cooperative Extension in Oxford County, the Oxford County Soil and Water Conservation District, the Maine Christmas Tree Association and Maine Woodland Owners. Len Price, owner of Nutkin Knoll Farm in Newburgh, will discuss sourcing, planting and maintaining Christmas trees, according to the article. The program is \$15 per family. To register by June 3, for more information, or to request a reasonable accommodation, email [oxfordcountyswcd@gmail.com](mailto:oxfordcountyswcd@gmail.com).

#### **Mainebiz cites UMaine in report on state's new director of business development, innovation**

**16 May 2019**

[Mainebiz](#) reported Charlotte Mace will lead the Maine Department of Economic and Community Development's new Office of Business Development and Innovation. Mace most recently served as the executive director of Biobased Maine, a nonprofit trade association focused on creating high-paying manufacturing jobs in rural Maine, according to the article. Her efforts to make Maine a world leader in bio-based manufacturing got a big boost in summer 2016, when the U.S. Economic Development Administration awarded a \$519,930 grant to Biobased Maine as part of a three-year \$856,549 project in partnership with the University of Maine to develop a "road map" to advance bio-based manufacturing in the state, Mainebiz reported. Grant funds also will be used to market Maine's bio-based assets to investors in new technologies and processes and provide technical assistance to help Maine forest products manufacturers and users implement new bio-based technologies, the article states.

#### **Drisanna Watson earns Native American Research Internship in Utah**

**17 May 2019**

Drisanna Watson will begin her Native American Research Internship (NARI) at the University of Utah a couple of weeks after wrapping up her 19-credit spring semester at the University of Maine. The 10-week paid summer experience supports academic, career and personal development of Native American students interested in health science careers. A goal is to increase the diversity of health care providers and researchers to better treat and heal diverse populations. Watson, a native of Walnut Creek, California, is a member of the Yurok Tribe. She's on pace to complete her bachelor's degree in sociology and minor in Native American studies in December 2019. Watson's passionate about making a positive difference or change in Native Americans' lives. One way she wants to do that is as a nurse with understanding of Native American cultures. She already has a solid base. Watson was enrolled in UMaine's School of Nursing for two years before **changing her attention** to sociology and Native American studies. In these fields, Watson says she's examined herself, explored other cultures, and developed deeper perspectives and critical-thinking skills. During a previous internship on Red Lake Reservation with the Red Lake Band of Chippewa Indians, she sought to learn about their culture and help provide care. "I want to find ways to help the culture heal," Watson says. "People know what they need and I want to be able to get resources to them." After completing her education at UMaine, she plans to apply to an advanced two-year nursing program. At the University of Utah from May 28 to Aug. 2, Watson will be paired with Dr. Venkata Yellepeddi in the Department of Pediatrics. He's developing a mucoadhesive gel formula to treat children with sialorrhea — drooling or excessive salivation — which neurologically impaired children can experience. Watson also will receive guidance about school, career development and community engagement, and in July she'll attend the 2019 National Conference on American Indian/Alaska Native Injury and Prevention titled Violence Prevention: Bridging Science, Practice, and Culture. In addition to her grandfather, Watson says people who have been positive influences include Elizabeth Watson, her mother who's an assistant professor of wetlands science at Drexel University; Amy Blackstone, UMaine sociology professor; and Mary Okin, UMaine assistant professor of Franco American studies, sociology, and women's, gender, and sexuality studies. While attending college can be stressful, Watson — who has dyslexia — says it's also rewarding. She says she's grown from challenges and experiences and is a stronger, more mature person. In 2018, in honor of her grandmother and to acknowledge hardships of cancer patients, Watson shaved her head during the annual St. Baldrick's fundraising event on Maine Day. She's also volunteered for Maine Hello — by welcoming new students to campus. Watson has traveled to England to play rugby and likes to hike, cook, draw, paint and write. Art, she says, is a gateway to the soul. Students interested in this internship or other scholarship opportunities, can go to the Office of Major Scholarships in Fogler Library, visit its [website](#) or email [nives.dalbowheeler@maine.edu](mailto:nives.dalbowheeler@maine.edu). Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

#### **Clean Sweep Sale to be held May 24–25 at Alford Arena**

**17 May 2019**

The University of Maine will hold the annual Clean Sweep Sale 11 a.m.–5 p.m. Friday, May 24 and 8 a.m.–1 p.m. Saturday, May 25 in Alford Arena. Furniture, rugs, electronics, appliances, housewares, books, bedding, shoes and clothing will be among the items for sale. Items were donated by the university and students who moved out of the dorms at the end of the semester. Payment with cash, credit and debit will be accepted. Proceeds will be used to support programs offered through UMaine's Bodwell Center for Service and Volunteerism, including the Black Bear Exchange, Black Bear Mentors and Tutors, Maine Day and meal-packing events. More information is available on the UMaine Bodwell Center's [Facebook](#) page or by calling the center at 581.3091.

#### **Interim dean named for College of Education and Human Development**

**17 May 2019**

Mary Gresham, an administrator with more than 40 years of experience at a flagship public research university, has been named interim dean of the University of Maine College of Education and Human Development, effective July 1. She succeeds Timothy Reagan, who will be joining the college faculty. He has served as dean since 2016. Gresham was vice provost for educational collaboration and engagement at the University at Buffalo, State University of New York for three years before her retirement in 2015. Her University at Buffalo career included terms as dean and clinical professor of the Graduate School of Education, and as vice president for public service and urban affairs. She holds a Ph.D. in counseling psychology from University at Buffalo. Gresham comes to UMaine from the Registry for College and University Presidents, a national firm providing interim leadership in higher education. "Dr. Gresham is familiar with the challenges of shifting institutional priorities, enrollments and public interest," says Jeffrey Hecker, UMaine executive vice president for academic affairs and provost. "She believes the College of Education and Human Development at the University of Maine has an impressive faculty and a foundation of accomplishments upon which to innovate for the future. Her experiences and accomplishments will be an asset for the college and the university. I look forward to working with her in the coming year."

#### **Republican Journal advances Festival of Art at Hutchinson Center**

**17 May 2019**

[The Republican Journal](#) reported the 17th annual Festival of Art, sponsored by Senior College at Belfast, will be held May 30–June 2 at the University of Maine Hutchinson Center in Belfast. The opening night reception and first viewing will be held 6–8 p.m. May 30. The work of 120 Maine artists will be exhibited, the Belfast Bay Fiddlers will provide the music, and light refreshments will be available, the article states. Regular exhibit hours are 9 a.m.–5 p.m. Friday and Saturday, and noon–3 p.m. Sunday. A screening of "J. Fred Woell: An American Vision," the documentary film by Richard Kane, is set for 2 p.m. June 1, in the auditorium of the UMaine Hutchinson Center. The reception and film screening are free and open to the public, according to the article.

#### **Darling Marine Center scientist receives promotion, Boothbay Register reports**

**17 May 2019**

[Boothbay Register](#) published a University of Maine Darling Marine Center news release announcing the promotion of Damian Brady, a faculty member in the School of Marine Sciences and based at the DMC in Walpole. Brady, who has been promoted to associate professor with tenure, was one of 34 UMaine faculty to receive tenure and/or promotion this spring. Since 2010, Brady has been monitoring water quality along the coast of Maine. He and his team of undergraduate and graduate students help oyster farmers find new sustainable places to locate farms by sharing information from coastal observing buoys, satellites, and models of current speed and direction, according to the article. The information also is being used for water quality management, wild fisheries, and new and emerging aquaculture species, like sea scallops. Brady works directly with farmers, landowners and regulatory agencies to protect water quality along Maine's coast, the article states.

#### **Prevention quotes Dill in article on how to keep ticks at bay**

**17 May 2019**

[Prevention](#) spoke with Griffin Dill, an integrated pest management professional with University of Maine Cooperative Extension, for the article, "How to get rid of ticks near your yard, house and body any time of year." To cut down on ticks in your yard, the article suggests keeping the lawn landscaped and clear of leaf litter. "Reducing ticks' habitat around your home is important to minimizing exposure to the pests and diseases," says Dill, who advises always reading the label when using tick-controlling sprays as many kill

pollinators such as bees. To get rid of ticks on your body, the article mentions doing tick checks after being outdoors. “Although ticks can and do attach to any part of the body, there are certain parts they’re more commonly found, including in the hairline and in tucked-away places like armpits, groin and behind the knees,” Dill says. He also suggests tumbling clothes in the dryer on high heat for 10 minutes to kill any ticks that may have hitched a ride inside.

#### **High school senior credits Reading Recovery for U.S. Presidential Scholar recognition, BDN reports**

**17 May 2019**

The [Bangor Daily News](#) interviewed Old Town High School senior and U.S. Presidential Scholar Emma Hargreaves, who credits Reading Recovery for helping her overcome early struggles to achieve academic success. “It changed the trajectory of my life,” Hargreaves told the BDN. The University of Maine Training Center for Reading Recovery and Comprehensive Literacy provides professional development for Reading Recovery teacher leaders, who train other educators in schools throughout the state. These specially trained teachers provide 12 to 20 weeks of one-on-one lessons to first-grade students who experience difficulty reading and writing. Hargreaves spoke last fall at UMaine’s College of Education and Human Development about how important Reading Recovery was in her life. She will speak to a gathering of Reading Recovery teachers May 23 as part of the 2019 Suzanne W. Cole Reading Recovery and Early Literacy Institute.

#### **Media report on Maine INBRE program renewal**

**17 May 2019**

The Associated Press and [Portland Press Herald](#) reported on a nearly \$18 million grant awarded to the MDI Biological Laboratory from the National Institute of General Medical Sciences to continue work on strengthening biomedical research and training in Maine. The grant will fund the renewal of the 18-year-old Maine IDeA Network of Biomedical Research Excellence (INBRE) program for another five years. MDI is the founder and leader of the statewide network of 13 educational and research institutions, including the University of Maine and its regional campus, the University of Maine at Machias. MDI Biological Laboratory said two of the goals of the collaboration are to provide biomedical research experience to undergraduates and research support to young faculty members, according to the AP. [U.S. News & World Report](#), [Maine Public](#), San Francisco Chronicle and Houston Chronicle carried the AP report.

#### **Political leadership program for undergraduate women to be held May 30–June 4**

**20 May 2019**

The Margaret Chase Smith Policy Center at the University of Maine will host its annual six-day nonpartisan undergraduate student leadership program for women May 30–June 4. Maine NEW (National Education for Women) Leadership, which aims to educate, engage and empower young leaders, will be held at the Schoodic Institute in Winter Harbor. UMaine President Joan Ferrini-Mundy will be the keynote speaker at the networking and fundraising [reception](#) at 4 p.m. May 31. A group of 28 college students with a variety of majors from 20 institutions around the state, including UMaine, will take part in the 11th residential conference that aims to strengthen political skills and build civic engagement. Throughout the program, students will participate in workshops hosted by women leaders from politics, business and education. The students will learn skills including public speaking, networking and how to advocate for a cause and run for public office. On June 3, participants will travel to Augusta. In addition to participating in the free program, students have the option to pay for a three-credit course offered exclusively to Maine NEW Leadership participants. The course — Women and Leadership — is designed to complement the institute’s curriculum, providing students the opportunity to reflect on their own leadership goals and the scholarly research on women’s leadership. Maine NEW Leadership is offered by the Margaret Chase Smith Policy Center, which raises funds to support the program and provide it free of charge to participants. Maine NEW Leadership is a nonpartisan program developed to address the underrepresentation of women in politics and is designed to provide students with skills to help them become the next generation of effective civic and political leaders. It is Maine’s only statewide leadership program for undergraduate women. More information about Maine NEW Leadership is available [online](#) or by contacting Amy Blackstone at [amy.blackstone@maine.edu](mailto:amy.blackstone@maine.edu) or Susan D’Angelo at 581.1648, [susan.dangelo@maine.edu](mailto:susan.dangelo@maine.edu). Additional details about the May 31 reception are on [Facebook](#).

#### **Birkel among presenters at Watersheds 2.0 talk, Piscataquis Observer reports**

**20 May 2019**

[The Piscataquis Observer](#) reported Sean Birkel, Maine State Climatologist and a research assistant professor at the University of Maine Climate Change Institute, will speak as part of the presentation “Watersheds 2.0” from 6–8 p.m. May 31 at the Masonic Lodge in Greenville. Birkel and others will discuss the history of watershed formation, how water moves through a watershed and the changes caused by human and climate impact, the article states. The talk is sponsored by the Piscataquis County Soil and Water Conservation District, and members of the public are encouraged to attend the free event to learn about local watersheds, according to the article. To attend, RSVP by calling 564.2321, ext. 3; or email [info@piscataquisswcd.org](mailto:info@piscataquisswcd.org). More information is [online](#).

#### **VillageSoup advances bee program by Drummond**

**20 May 2019**

[VillageSoup](#) advanced a program by Frank Drummond, a professor of insect ecology and insect pest management at the University of Maine, titled “The Fascinating World of Bees” from 10 a.m.–noon June 1 at the Merryspring Nature Center in Camden. Drummond will give a 45-minute talk to introduce participants to the diversity and importance of bees, our pre-eminent pollinators, the article states. Then the group will go into the field to capture and identify bees and other crucial pollinators. The program is free and open to the public, and is sponsored by Merryspring, the Camden Conservation Commission and Coastal Mountains Land Trust.

#### **Bowen to speak at Old Town library gardening workshop, Penobscot Times reports**

**20 May 2019**

[The Penobscot Times](#) reported Laurie Bowen, a community education assistant with University of Maine Cooperative Extension, will be the guest speaker during a May 20 workshop in the Old Town Public Library’s gardening series. At the 5:30 p.m. event, Bowen will give an overview of the resources UMaine Extension has to offer, including gardening videos, fact sheets, bulletins and other publications. Its educational programs and large collection of resources, enable them to provide unbiased, research-based information, the article states.

#### **Republican Journal advances Hutchinson Center talk by poet Richard Blanco**

**20 May 2019**

[Republican Journal](#) reported internationally acclaimed poet Richard Blanco will give a free talk and reading at 5:30 p.m. June 8 at the University of Maine’s Hutchinson Center in Belfast. Blanco also will be available to sign copies of his books, including his latest, “How to Love a Country,” according to the article. In 2013, President Barack Obama selected Blanco to serve as the fifth presidential inaugural poet when he read his poem, “One Today,” the article states. The event is free and open to the public.

#### **Penobscot Times previews Clean Sweep Sale May 24–25**

**20 May 2019**

[The Penobscot Times](#) reported the University of Maine will hold the annual Clean Sweep Sale 11 a.m.–5 p.m. Friday, May 24 and 8 a.m.–1 p.m. Saturday, May 25 in Alford Arena. Furniture, rugs, electronics, appliances, housewares, books, bedding, shoes and clothing will be among the items for sale. Items were donated by the university and students who moved out of the dorms at the end of the semester. Proceeds will be used to support programs offered through UMaine’s Bodwell Center for Service and Volunteerism.

#### **WABI reports on World Climate Negotiation Simulation**

**20 May 2019**

[WABI](#) (Channel 5) reported students at Orono High School were the latest to participate in a simulation designed to get students thinking about climate change. University of Maine graduate students have been bringing the World Climate Negotiation Simulation to schools around the state. During the simulation, students role play as leaders of nations from around the world and must work together to negotiate a global climate agreement, WABI reported. Students take their nation’s economy into account and weigh their

decisions carefully. Simulations are led by Will Kochtitzky, a master's student in the School of Earth and Climate Sciences and Climate Change Institute, and Anna McGinn, a master's student in the School of Policy and International Affairs and Climate Change Institute. Organizers told WABI they hope the program will encourage students to take action in their own lives.

## UMaine recognized at Maine Manufacturing Summit, media report

20 May 2019

The [Sun Journal](#) and [Mainebiz](#) reported on the Manufacturers Association of Maine's annual summit held in Auburn. Hundreds of attendees from 132 companies turned out at the Maine Manufacturing Summit to talk challenges and innovation, answer state trivia and watch high school robotics demonstrations, according to the Sun Journal. "Innovator of the Year" was awarded to the Center for Additive Manufacturing of Metals, based at the Advanced Manufacturing Center at the University of Maine. The additive metal manufacturing process fuses small metal particles together to create metal structures and parts that have similar properties to metal parts produced by traditional processes, Mainebiz reported. At this year's summit, John Belding, director of AMC, announced the launch of the center's new 3D printer to assist Maine companies with product development, the article states.

## News Center Maine interviews Turner about deepfakes

20 May 2019

Roy Turner, an associate professor of computer science at the University of Maine, spoke with [News Center Maine](#) for the report, "The rise of deepfakes and disinformation." A deepfake is a technique used to create phony human photos or videos based on artificial intelligence, according to the report. Deepfakes have just emerged in the past five years, and although the technology appears complex, computer science experts say it's really not all that sophisticated of technology, the report states. According to Turner, all you need is a large database of information, computing power and time to pull it off. "If you wanted to make truly good fakes that no one could tell apart, you might need the resources of a large company at the moment, but as computer resources become more available, it becomes easier and easier," Turner said.

## WABI covers Kleinschmidt Windstorm Challenge

20 May 2019

[WABI](#) (Channel 5) reported on the Kleinschmidt Windstorm Challenge held at the University of Maine Advanced Structures and Composites Center. About 400 middle and high school students from around the state showed off their engineering skills by bringing scale-model offshore wind turbine platforms they built to the competition, WABI reported. All the platforms were equipped with a standardized turbine, and teams were judged on the stability of their design. "The winners at the end get a \$20,000 scholarship to come to this lab if they're accepted at the University of Maine," said Habib Dagher, executive director of the UMaine Composites Center. "The goal here is to develop the next generation of engineers and scientists that can help the state of Maine and the country develop this next generation of renewable energy opportunity." Lakes Region High School in Naples and King Middle School in Portland were named the winners, the report states. [WGME](#) (Channel 13 in Portland) reported on King Middle School's preparation for the contest.

## Bailey West: Biochemistry major to study in Ireland as Mitchell Peace Scholar

20 May 2019

Bailey West, a biochemistry major at the University of Maine, has been awarded a [George J. Mitchell Peace Scholarship](#) and will study abroad in Ireland for a semester as part of the student exchange program. The competitive merit-based scholarship is made possible by an agreement between Maine and Ireland for a student exchange at the university level. It honors the 1998 Northern Ireland peace accord brokered by Sen. Mitchell between Ireland and the United Kingdom. The University of Maine System awards one full scholarship or two one-semester scholarships per year which allow students to study at University College Cork in Ireland. This year — for the third time — both winners attend UMaine. West, from Stockton Springs, Maine, will make the trip in spring 2020. The Honors College student is looking forward to courses that will allow her to explore Irish folklore and language while immersing herself in the local culture. She also plans to get involved in groups at the University College Cork, such as the International Students Society. "I am most looking forward to the relationships I will form with locals in Cork and other international students. I predict that these friendships will be one of the most valuable aspects of my experience," says West, who is expected to graduate in May 2021. At UMaine, West is a student researcher in the lab of microbiology professor Julie Gosse where she studies toxicological effects of chemicals on the immune system. She also is a teaching assistant for general chemistry and member of the Screamin' Black Bear Pep Band. **Why did you want to study in Ireland?** Studying abroad has been an important goal of mine because it will challenge me in ways unlike any other experience, and thanks to this incredibly generous scholarship, finances do not have to be an obstacle to this goal. I am looking forward to experiencing Ireland, especially because I have a lot of family history there. I am very excited to form new friendships, immerse myself in the local culture, and expand my comfort zone. **Why UMaine?** UMaine was the obvious choice for me. Maine is truly my home, and I am so grateful to be able to receive a challenging, rewarding education right here. I was drawn to UMaine especially for the opportunities to engage in research. **Describe your research in Julie Gosse's lab.** I have worked with Julie Gosse since freshman year, and it has been a great experience. I am studying the effects of the antimicrobial agent cetylpyridinium chloride, which is commonly found in consumer products including mouthwashes, on the functioning of mast cells, which are important players in the immune response. I will be continuing my research in the Gosse lab this summer with an INBRE (IDeA Network of Biomedical Research Excellence) fellowship, and I plan to continue this research for my Honors thesis. **How would you describe UMaine's academic atmosphere?** UMaine's academic atmosphere is diverse and collaborative. I appreciate the many different perspectives in any given classroom, which encourages open-mindedness and collaboration. I have found many opportunities to work with other students and professors. Although UMaine may seem like a larger school, there is a strong sense of community. I really appreciate that my professors are very approachable, and they are usually very eager to support their students who reach out to them. **Have you worked closely with a professor or mentor who made your UMaine experience better?** I have, of course, worked very closely with Julie Gosse in my research, and she has really supported my development as a researcher and otherwise. She has pushed me to think independently and apply for grants, and has challenged me academically as my biochemistry professor. I have also developed a strong relationship with Sally Molloy (assistant professor of genomics). I took her phage genomics course last year, and she was my preceptor for one of my Honors Civilizations courses. Sally has given me a lot of guidance, including encouraging me to pursue studying abroad, which has been instrumental in helping me achieve my goals. Melissa Maginnis, my Maine Top Scholar mentor (and assistant professor of microbiology), has also played a large role. Melissa has been so supportive of my goals and has offered valuable advice on numerous occasions, including connecting me with the Office of Major Scholarships for my George J. Mitchell Peace Scholarship application. **What difference has UMaine made in your life and in helping you reach your goals?** UMaine has connected me with many incredible people and opportunities. My relationships with professors and peers have proven to be invaluable. UMaine has helped me pursue studying abroad, research, teaching and leadership experiences, and is ultimately preparing me for my goal of a medical career. **What are your plans for after graduation?** I plan to attend medical school, and I ultimately aim to return to Maine to practice medicine. Contact: Elyse Catalina, 207.581.3747

## School of Social Work awarded fellowships through Coverdell Fellows program

21 May 2019

A new fellowship offers tuition reimbursement for returning Peace Corps volunteers interested in earning their Master of Social Work from the University of Maine. UMaine partnered with the Paul D. Coverdell Fellows program to offer three renewable scholarships covering up to 24 credits of full-time tuition per year to returning Peace Corp volunteers. Additional credits will be offered at the in-state rate for out-of-state students. Students in the Master of Social Work program help marginalized populations throughout Maine as a part of their education, making the program well-suited to those who want to continue serving communities in need. "They will have two years with Maine populations and culture. Even if they leave after graduation they will be spokespersons for and stay connected to Maine," says Sandra Butler, a professor of social work who helped the School of Social Work become approved for the Coverdell Fellows program. Starting with the fall 2020 incoming class, students who apply to the on-campus Master of Social Work program will be eligible for the fellowship. For more information, visit the UMaine Graduate School's [website](#).

## LaBouff writes BDN op-ed

21 May 2019

Jordan LaBouff, an associate professor of psychology at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled "Integrating immigrants into Maine's workforce benefits us all." LaBouff is a member of the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members' columns appear in the BDN every other week.

## BDN interviews Garland about protecting plants from frost

21 May 2019

The [Bangor Daily News](#) interviewed Kate Garland, a horticultural professional with University of Maine Cooperative Extension, for an article about protecting plants from an unexpected spring frost. "I think most gardeners who have a couple seasons under their belts have experienced cold damaged crops," said Garland. "It manifests itself differently depending on the crop." Frost causes ice crystals to form in plant cells, which make cell walls burst and make water unavailable to plant tissues. The effects can be seen as



slimy, blackened leaves or discolored fruit later in the growing season, according to the BDN. Garland recommends protecting your garden if there is any indication in the weather forecast of a frost, or even temperatures in the high 30s. Cold hardy vegetables like peas, spinach, carrots, radishes, beets, cabbages and other leafy greens probably do not need to be protected, but summer crops like tomatoes, cucumbers, peppers and zucchini should be, according to the article. “If seeds haven’t germinated yet you don’t have to worry about protecting them at all,” said Garland. “They can tolerate cold temperatures.” But seeds that have been planted too early or are especially susceptible to wet conditions and pests, including peas, beans and corn, are an exception, the article states. Garland recommends row cover, a gauzy white fabric available at garden supply stores, as the best defense against a late frost. Crops should be covered first thing in the morning when frost is expected, and well watered to stay hydrated throughout the day, according to the article. “It is an investment to get row cover for your crops, but you can reuse it over a couple of years. You want something lightweight that can breathe. That row cover also makes a nice pest barrier,” she said. “One of the key things I suggest if you have damaged plants is to invest in another set of plants instead of trying to wait for that plant to recover. If you do end up in that situation, just start over again. There’s plenty of time to replant,” Garland said.

#### **Republican Journal reports UMaine offering tuition-free early college summer courses**

**21 May 2019**

The [Republican Journal](#) reported the University of Maine is offering tuition-free early college courses this summer to qualified high school students through a partnership with the Maine Department of Education and the University of Maine System. More than 50 courses will be offered in a variety of formats, including online and live courses at the UMaine Hutchinson Center in Belfast and the UMaine flagship campus in Orono. Courses will be offered in biology, pre-calculus, chemistry, child development and family relations, English, history, leadership studies, literacy, mathematics, psychology and more. Registration is [online](#) for the courses, which are suitable for rising high school juniors and seniors and meet general education requirements for the majority of colleges nationwide, the article states. For more information, contact Allison Small, 581.8004; [allison.small@maine.edu](mailto:allison.small@maine.edu).

#### **Vekasi recent guest on NPR’s ‘All Things Considered’**

**21 May 2019**

Kristin Vekasi, an assistant professor of political science at the University of Maine, was a recent guest on [NPR](#)’s “All Things Considered” radio show. The show’s topic was comparisons between the U.S.-Japan trade conflict in the 1980s and the current U.S.-China trade conflict.

#### **News Center Maine speaks with Pendse about wood-based biofuel manufacturing**

**21 May 2019**

[News Center Maine](#) spoke with Hemant Pendse, director of the University of Maine Forest Bioproducts Research Institute and a professor of chemical and biomedical engineering, about a process that converts sawdust, wood pulp or any other wood biomass into crude oil. The FBRI, located in Old Town, operates a fee-for-service pilot plant where new startups or large corporations can test new ideas and collect engineering data, the article states. “First we do an intermediate, we call it acids, and we turn it into salt. We will see dry salt powder. From the dry salt powder, we are making premium crude oil, which can be processed just like any oil refinery and make gasoline, diesel and jet fuel,” said Pendse. The crude oil they’re producing is cleaner than the equivalent from Saudi Arabia because it does not contain sulfur, according to Pendse. And the technology could have economic benefits too. “Many people know there are a lot of pulp mills closed, but there are pulp mills like Old Town ... that has the infrastructure, has the wood yard, has the power plants,” Pendse said. “Can we add this extra revenue generating stream and show, that on a commercial scale, that it is feasible and that we can actually meet the specifications of the private sector. Then I think a lot of new doors will open.”

#### **Bangor events slated to celebrate Blackstone’s ‘Childfree by Choice’ book**

**21 May 2019**

Amy Blackstone will celebrate the June 11 release of her first book “[Childfree by Choice](#): The Movement Redefining Family and Creating a New Age of Independence” at two Bangor events. The Briar Patch will host a Sip & Sign at COESPACE 5:30–6:30 p.m. Copies of the book will be available for signing. Then at 6:30 p.m., Novio’s Bistro will host a five-course pairing dinner that includes a copy of the book. The menu will be inspired by childhood favorites. Reservations may be made at 207.945.5600. Blackstone, a professor in the Department of Sociology and at the Margaret Chase Smith Policy Center, studies childlessness and the childfree choice, workplace harassment and civic engagement. Book topics include the history of the childfree choice; Blackstone’s experiences as a childfree woman; the myth of innate maternal instinct; troubling links between reproductive politics, patriotism and eugenics; why choosing to forgo parenthood isn’t selfish; how childfree people view children; expansion of the definition of family; aging without children; and how the childfree choice and movement are evolving. “I hope that readers take from the book an understanding that parenthood — whether they do it or not — really, truly is a choice and that we’ll all be better off when we learn to accept one another’s choices, whatever they may be,” says Blackstone. A Kirkus reviewer calls the book thoroughly researched and illuminating. “With quiet humor and without stridency, the author explores the subtle and not-so-subtle pressures people, in particular married women, feel to have children and the conscious or unconscious assumption that life without children is incomplete and that a ‘family’ must include children.”

#### **Hutchinson Center to host fourth Suzanne W. Cole Reading Recovery and Early Literacy Institute**

**22 May 2019**

More than 140 educators from Maine will gather at the Hutchinson Center in Belfast on May 23 for the annual Suzanne W. Cole Reading Recovery and Early Literacy Institute. The University of Maine Training Center for Reading Recovery and Comprehensive Literacy has hosted the conference every year since 2015, bringing together teachers throughout the state who specialize in Reading Recovery. The program provides 12 to 20 weeks of individualized instruction to students in first grade who struggle with reading and writing. The UMaine center provides professional development to teacher leaders, who in turn train Reading Recovery teachers in nearly 60 school districts statewide. For over 20 years, the program has served more 100,000 Maine children, helping them improve their literacy skills. This year’s conference, which runs 8 a.m.–2:30 p.m., will feature a talk by Old Town High School senior Emma Hargreaves, who participated in Reading Recovery as a first-grade student and was recently honored as a U.S. Presidential Scholar. The keynote speaker will be Mary K. Lose, professor of reading and language arts and director of the Reading Recovery Center of Michigan at Oakland University. In addition, members of the Cole family, who for more than 20 years have provided financial support to school districts in Maine that offer Reading Recovery, will be in attendance. Suzanne Cole, for whom the conference is named, passed away in 2017. The annual conference is held in recognition of her extraordinary contribution to teacher education and the literacy success of young children in Maine.

#### **Working Waterfront adapts UMaine release about Gill’s Siberia expedition, film**

**22 May 2019**

[The Working Waterfront](#) adapted a University of Maine news release about assistant professor of paleoecology and plant ecology Jacquelyn Gill’s September 2018 expedition to permafrost caves in Siberia with an international research team to film “Lost Beasts of the Ice Age.” Gill, who examines causes and consequences of extinctions, said specimens from the last ice age are key to understanding its food web, as are survivors of that era. She planned to reconstruct ecological prehistory to establish the timing and nature of extinction, environmental change and habitat loss to determine whether extinction was a cause or effect of habitat loss, the release states. The special premiered Feb. 28 on the Science Channel, according to the release.

#### **The County publishes piece on fiddleheads by Fuller**

**22 May 2019**

[The County](#) published a piece by David Fuller, an agriculture and nontimber forest products professional with University of Maine Cooperative Extension, titled “How to identify, pick and cook fiddleheads — and when to leave them alone.” The piece, which was recently updated, originally appeared in the [Bangor Daily News](#).

#### **BDN speaks with Garland for article about growing potatoes**

**22 May 2019**

The [Bangor Daily News](#) spoke with Kate Garland, a horticultural professional with University of Maine Cooperative Extension, for an article about how to grow your own potatoes. The best way to grow a potato is from the cuttings of a sprouting seed potato. These can be purchased from a local nursery, or grown at home by placing potatoes leftover from last season in a warm spot with lots of light to activate the sprouting process, the article states. “You want to work with disease-free seed stock. Don’t use potatoes from the grocery store, we do not recommend that at all. Those can harbor diseases and cause potential problems in your garden,” said Garland, who advised cutting a sprouting potato into segments about an inch or two in size, then planting them shortly after cutting. Potatoes

can be planted as early as four to six weeks before the last frost date, but should be stored in a cool, dark, dry spot if you need to wait, according to Garland. “You want to hill up and cover the shoot (with soil) as it develops,” said Garland. “As it grows up, cover the stem so it develops roots and becomes more anchored.”

## **WVH quotes Smart in report on spring rains, crop damage**

**22 May 2019**

[WVH](#) (Channel 7) quoted Alicyn Smart, a plant pathologist and assistant professor with University of Maine Cooperative Extension and director of UMaine’s Plant Disease Diagnostic Lab, for a report on how spring rains are damaging crops. Smart told WVH that large amounts of rain cause extra damp farming conditions that invite root diseases and water molds. “There’s potential for a post-harvest disease to occur. So an example of this would be your strawberries may not last as long in your refrigerator due to having a disease,” she said. Smart recommended farmers scout their fields for any signs of disease and send samples with potential diseases to the UMaine Extension Diagnostic and Research Laboratory sooner than later to prevent spreading diseases around the farm.

## **McDonough MacKenzie documents dramatic loss of native plants on MDI**

**22 May 2019**

Areas across the Northeast have lost an average of one-fourth of their local plant biodiversity in the last 50 to 150 years. Certain plant families had even higher rates of loss, says Caitlin McDonough MacKenzie, a postdoctoral researcher at the University of Maine. When her research team compared 19th century botanical records from Mount Desert Island (most of which is protected as Acadia National Park) to a recent survey of plants, it found 16 percent — approximately one of six — of the plants documented in the late 1800s are now extinct on the island. Forty-three percent of orchids and 43 percent of lilies recorded in 1894 are gone from Mount Desert Island, says McDonough MacKenzie. Another 33 percent of the plant species declined in abundance. “The loss of native plants is dramatic across our region, right here where we live. It is not confined to faraway places like tropical rain forests or areas being paved over for development,” says McDonough MacKenzie. Causes are likely a combination of habitat loss, climate change, damage from deer, and pollution, she says. Each of the 13 Northeast sites examined by the research team showed a drop in the proportion of native plant species in local flora. The study found no correlation between conservation status and the magnitude of local plant biodiversity loss. While losses ranged between 3.5 percent (Finger Lakes region in New York) and 53 percent (Staten Island, New York) of local plant species, the presence of conservation lands was not associated with smaller losses. “We can’t point to a particular species and say, ‘This one was lost because of climate change, this one because of acid rain, this one because of habitat loss, and this one because of random chance. Sometimes species go extinct in nature,’” says McDonough MacKenzie. “Our study primarily sheds light on just how widespread those losses are, including in areas that are protected and that people care deeply about. Even protecting areas as reservations or state or national parks did not prevent the loss of species.” The Northeast is one of the best places in the United States to study changes in plant biodiversity, says Richard Primack, professor at Boston University and one of the study’s co-authors. “Professional and citizen scientists have left a long legacy of botanical specimens, field notes, and published floras,” he says. “Their records provide the opportunity for contemporary scientists to resurvey the same sites and compare changes.” The dramatic losses of native plants, gains in non-native species (which can harm and displace native species), and variation in how particular locations and species changed throughout the region highlight the importance of historic records and of local knowledge, says McDonough MacKenzie. “Understanding the changes taking place is essential for managers working to protect these areas and their floras,” she says. McDonough MacKenzie and her co-authors recommend targeted monitoring of rare species and taxonomic groups like orchids and lilies that have experienced high losses, as well as continued management of invasive species. They encourage botanists and ecologists to carefully document present-day biodiversity for future generations of researchers. “The 1894 flora of Mount Desert Island was started by a college kid on a summer trip,” says McDonough MacKenzie. “He fell in love with botany and sought out mentors and collaborators, but there was nothing on his resume in 1880 that indicated he was a serious botanist who would create a lasting legacy. Go outside and start looking at flowers — that’s where Edward Rand started and 125 years later his data is the foundation of our work.” McDonough MacKenzie’s study, “Floristic change in New England and New York: regional patterns of plant species loss and decline,” is in [Rhodora](#), a botany journal devoted to the flora of North America. Glen Mittelhauser of the Maine Natural History Observatory and Abraham J. Miller-Rushing of Acadia National Park and Schoodic Education and Research Center are co-authors. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## **UMaine researchers studying fall risk mitigation with seniors at Orono Commons**

**23 May 2019**

Researchers from the University of Maine are working with residents of the Orono Commons nursing home to evaluate the potential for group exercise to reduce fall risk and improve balance in a senior population. Christopher Nightingale, assistant professor of physical education and athletic training, and Jennifer McNulty, lecturer in health education and lifespan, are leading the pilot study with the help of two undergraduate students majoring in kinesiology and physical education. Since early April, the team has been leading group exercise classes at Orono Commons. In addition to assessing whether the classes can help mitigate falls and improve balance, the researchers are evaluating whether group exercise leads to improvement in seniors’ self-efficacy around fall risk when performing activities of daily living, such as walking across a room or climbing a flight of stairs. They’re also using the balance assessment tool OptoGait to determine if there’s a correlation between self-efficacy surrounding fall risk and balance.

## **UMaine Extension publications offer tips on safe grilling, lawn maintenance**

**23 May 2019**

Memorial Day weekend marks the unofficial start to summer, which means Maine residents will soon be spending more time outdoors. The University of Maine Cooperative Extension offers resources on grilling safely, gardening and dealing with insects. Visit the UMaine Cooperative Extension [Publications Catalog](#) for bulletins including:

- [Barbecue and Tailgating Food Safety](#)
- [Food Safety for Camping and Hiking](#)
- [Ticks](#)
- [Lyme Disease](#)
- [Insect Repellents](#)
- [Mosquito Management](#)
- [Starting Seeds at Home](#)
- [Growing Fruit Trees in Maine](#)
- [How Compost Happens](#)
- [Testing Your Soil](#)
- [Establishing a Home Lawn in Maine](#)
- [Maintaining a Home Lawn in Maine](#)
- [Steps to a Low-Input, Healthy Lawn](#)
- [Vegetables and Fruits for Health: Rhubarb](#)
- [Growing Rhubarb in Maine](#)
- [Growing Peaches in Maine](#)
- [Refrigerator Spring Pickles](#)

Price lists are [online](#).

## **Mount Desert Islander previews talk by Kelley**

**23 May 2019**

[Mount Desert Islander](#) previewed a talk by Joseph Kelley, a professor of marine geology at the University of Maine, at 4:10 p.m. May 30 at the College of the Atlantic in Bar Harbor. Kelley’s talk will focus on methods for studying sea level rise along the Maine coast. The free talk is part of the Human Ecology Forum and the Seminar on Climate Change 2019 Speaker Series.

## **Phys.org publishes UMaine release on loss of native plants in MDI**

**23 May 2019**

[Phys.org](#) published a University of Maine news release about research by Caitlin McDonough MacKenzie, a UMaine postdoctoral researcher, showing that areas across the Northeast have lost an average of one-fourth of their local plant biodiversity in the last 50 to 150 years. McDonough MacKenzie and her research team compared 19th century botanical records from Mount Desert Island to a recent survey and found 16 percent of plants originally documented are now extinct, including 43 percent of orchids and 43 percent of lilies. Causes likely include habitat loss, climate change, damage from deer, and pollution, according to the release.

#### **BDN interviews Kirby for article on carpet beetles**

**23 May 2019**

The [Bangor Daily News](#) interviewed Clay Kirby, an associate scientist and insect diagnostician with University of Maine Cooperative Extension, for an article about carpet beetles. “They are a scavenger. They will get into your stored food products, furniture or clothing and that can make them difficult to manage,” said Kirby, who added the beetles can also be found feeding on dead insects in attics or spaces in the wall. “The adult [dermestidae] stage is most interested in feeding outside on pollen or nectar. It’s the wormlike larval stage that does the damage in the home,” Kirby said. To discourage carpet beetle larvae, Kirby recommends cutting off access to food sources. “Pantry items like flour, Bisquick, pasta, nuts, cereals or dried fruits should be kept in tight sealing containers like glass or rubber. The same thing with your seldom worn clothing items that have fur, feathers or are made of wool — keep them in sealed plastic bags or containers,” he said. If you do find evidence of carpet beetles in your home, the best way to get rid of them is vacuuming the area and then steam cleaning it. Sprinkling boric acid on carpets, rugs or furniture also will kill them, according to the article. “They are not dangerous to people. But your heart does kind of sink when you find evidence of them,” said Kirby.

#### **News Center Maine quotes Wahle in article on climate change in Maine**

**23 May 2019**

[News Center Maine](#) quoted Rick Wahle, director of the University of Maine Lobster Institute, in an article on the effects of climate change in Maine. Data from the Gulf of Maine Research Institute shows that temperatures in the Gulf have warmed about 2.3 degrees Fahrenheit since 1982, according to the article. Andrew Pershing, chief scientific officer at the institute and an associate professor in UMaine’s Climate Change Institute, said summer 2018 saw higher surface water temperatures than ever. One concern related to the temperature increase is that if it continues, it could lead to an increase in lobster shell disease, News Center Maine reported. “Every year we have a warm year — like 2012 and 2013, we see a bump up in shell disease the following year. So it is a concern,” said Wahle.

#### **Active shooter training on campus May 28–29**

**24 May 2019**

The University of Maine Police Department and Penobscot County Emergency Management Agency will hold a two-day Campus Active Shooter Integrated Response Class May 28–29 on campus. Several locations will be used and all will be clearly marked. Note that simulations as part of this training include use of blank guns and moulage. Questions related to the class can be directed to Lt. Robert Norman, UMaine PD, 581.4040; [norman@maine.edu](mailto:norman@maine.edu).

#### **WABI, WVII report MLTI conference held at UMaine**

**24 May 2019**

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported the University of Maine hosted the Maine Department of Education’s annual Maine Learning Through Technology Initiative (MLTI) Student Conference on May 23. About 1,200 elementary and middle school students attended the conference, according to the reports.

#### **Mount Desert Islander, Ellsworth American preview talk by Ross**

**24 May 2019**

[Mount Desert Islander](#) and [The Ellsworth American](#) previewed a talk by Lauren Ross, an assistant professor of civil and environmental engineering at the University of Maine, at 4:10 p.m. June 4 at the College of the Atlantic in Bar Harbor. Ross will discuss the dynamics of Trenton’s Jordan River Estuary, according to the article. The free talk is part of the Human Ecology Forum and the Seminar on Climate Change 2019 Speaker Series. For more information, call 266.4952.

#### **BDN article cites School of Economics, Maine Brewers’ Guild study**

**24 May 2019**

A [Bangor Daily News](#) article cited a January 2019 study by the Maine Brewers’ Guild and Andrew Crawley, an assistant professor in the University of Maine School of Economics. The article focused on a new economic impact study of Maine’s beer industry, commissioned by the National Beer Wholesalers Association and the Beer Institute, that found the industry contributes \$2 billion annually to Maine’s economy and supports 15,531 jobs in the state. The UMaine and Maine Brewers’ Guild study found that breweries and related activities by their suppliers and employees contributed \$260.4 million to the Maine economy in 2017, up from \$225 million in 2016, the BDN reported. [Maine Public](#) carried the BDN article.

#### **Pine Tree Watch speaks with Drummond for article on ecological landscaping**

**24 May 2019**

[Pine Tree Watch](#) spoke with Frank Drummond, a professor of insect ecology and insect pest management at the University of Maine, for an article about landscaping with a focus on ecological health rather than pristine appearance to protect species in danger of extinction. Insects — one group that faces population decline — support birds, bats and other predators and aid in the decomposition process that builds soils, and many are essential pollinators, the article states. People should consider designing landscapes with these creatures in mind, according to Pine Tree Watch. For example, positive actions include planting a variety of native plants, especially trees and shrubs, to give insects and birds options, and to not use pesticides. Drummond said people should “lay off herbicides and let other species [like clovers and violets] colonize your lawn.” The key to supporting native insect and bird species is “a lifestyle change, really a philosophical change,” according to Drummond.

#### **WABI reports Bog Boardwalk open for season**

**24 May 2019**

[WABI](#) (Channel 5) reported the Orono Bog Boardwalk opens for its 17th season May 24. Located on the eastern edge of the Rolland F. Perry City Forest — commonly known as the Bangor City Forest — the boardwalk is jointly managed by the University of Maine, city of Bangor and the Orono Land Trust. Since its opening in 2003, the boardwalk has had more than 400,000 visitors, WABI reported. The boardwalk is free and open from 7 a.m.–6:30 p.m. daily.

#### **WABI previews Clean Sweep Sale**

**24 May 2019**

[WABI](#) (Channel 5) previewed the annual Clean Sweep Sale at the University of Maine, scheduled for 11 a.m.–5 p.m. May 24 and 8 a.m.–1 p.m. May 25 this year. The sale will be held in Alford Arena, and proceeds will benefit the on-campus food pantry and student volunteer projects through the Bodwell Center for Service and Volunteerism. “I know our clothes are very, very popular,” said Lisa Morin, coordinator for the Bodwell Center. “Our students leave behind a lot of brand names and clothes with tags still on them. They are good shoppers, some of them. I think a lot of people come in looking for future students. People that are going to be going to college from the local community in the fall and they want to get things from their own residence halls. They are always looking for whatever furniture items we might have and there’s always something new and bizarre.”

#### **Piscataquis Observer reports UMaine Extension to participate in One Tomato project**

24 May 2019

[The Piscataquis Observer](#) reported University of Maine Cooperative Extension and the Piscataquis County Extension Association will distribute 400 locally grown tomato seedlings June 1 at the Black Fly Festival in Milo, and Mondays, Thursdays and Fridays beginning 8 a.m.–4:30 p.m. June 3 at the UMaine Extension office in Dover-Foxcroft until they're gone. This is the sixth year UMaine Extension is participating in the One Tomato project, which encourages households to plant, grow and eat more vegetables, the article states. "If you've got a sunny spot and a bag of potting soil, you can grow one tomato," said Donna Coffin, a UMaine Extension educator. For more information and a full schedule of distribution locations, call 564.3301 or email [extension.piscataquis@maine.edu](mailto:extension.piscataquis@maine.edu).

#### Pine Tree Watch interviews Fried about 2020 race for Sen. Collins' seat

24 May 2019

[Pine Tree Watch](#) interviewed Amy Fried, a professor of political science at the University of Maine, for an article about whether U.S. Sen. Susan Collins will run in 2020, and potential challengers to her seat. "At this point it certainly looks like she's running. I know she's been going around the country raising money," said Fried. Ranked-choice voting will be a factor in the 2020 race, according to the article. "It's not going to be something where you can get out with a very narrow percentage," Fried said. "You have to also be someone who's going to attract some other voters. So a very right-wing Republican, say, would have to be someone who could also build consensus with the other side. And same with Democrats: a left-wing choice would have to be more broadly acceptable. That's a big deal." The split in political leaning between districts in Maine also is a consideration for potential candidates. "That's always a big issue for Democrats. If you're going to win statewide you have to do at least pretty well in the 2nd District," Fried said. "You don't have to win the 2nd District overall, but you have to cut the margins. And I think we saw that with (now Gov. Janet) Mills, certainly." Collins has done well in the past, appealing to voters in both districts and both parties, according to the article. "Last time she got almost 70 percent of the vote, and she did very well across the political spectrum. If she wins (in 2020), she's not going to win with that kind of margin this time," said Fried. "I think she's favored, without a doubt. But I would not say she's absolutely going to win. There's a lot of things that can happen in the meantime."

#### WABI, BDN advance Maine Statehood and Bicentennial Conference, History Festival

24 May 2019

[WABI](#) (Channel 5) and the [Bangor Daily News](#) advanced the Maine Statehood and Bicentennial Conference to be held May 30–June 1 at the University of Maine. The conference will feature events, panels, presentations and concerts celebrating the unique history of Maine, its peoples, culture, politics, art and music, the reports state. Registration is online and is \$60 for members of the general public; University of Maine System faculty, staff and students can register for free. The conference is one of several events marking Maine's 200th birthday, which is March 15, 2020. "The state of Maine has its 200th birthday coming up, and this is a really great opportunity for us to think a little bit more about the long history of the state, and what we share in this common experience of a long period of Maine statehood," Liam Riordan, UMaine professor of history, told the BDN. UMaine also will host the Maine History Festival 2:30–4:30 p.m. May 31 at the Collins Center for the Arts. Students and community organizations will share their research and public programs focusing on Maine history, society and culture at the festival, which is co-hosted by the University of Southern Maine's Osher Map Library and UMaine's Maine Folklife Center, in partnership with National History Day in Maine and the Maine Historical Society. Institutional partners and other contributors include the Clement and Linda McGillicuddy Humanities Center, the President's Office, the University of Maine at Machias and the Margaret Chase Smith Library, WABI reported. For more information about the conference, email [riordan@maine.edu](mailto:riordan@maine.edu); for more information about the festival, email [elizabeth.bischof@maine.edu](mailto:elizabeth.bischof@maine.edu).

#### BDN interviews Dill for article about repelling mosquitoes

24 May 2019

The [Bangor Daily News](#) interviewed Jim Dill, a pest management specialist with University of Maine Cooperative Extension, for an article about repelling mosquitoes while working outside. "Mosquitoes are attracted to heat and carbon dioxide," said Dill. "If you're outside working doing something fairly strenuous, breathing fairly hard, that means you can attract more mosquitoes than if you're sitting on your porch and sipping a cool drink." Dill told the BDN that Maine has less diversity of mosquito species and not as many issues with mosquito-borne diseases as some other states, and that the population can vary each year depending on the amount of rainfall in the area. The most common mosquito repellents are made with diethyltoluamide (DEET) or picaridin, according to Dill. He said natural repellents like lemongrass, citronella, lemon oil and eucalyptus also work, but need to be reapplied about every 30 minutes as opposed to every 2 hours for synthetic repellents. "They are easily removed through sweating. They work, but you have to keep applying it," he said. Other natural remedies can have limited effectiveness and are not necessarily safer than synthetic repellents. For example, a 40 percent formulation of lemon and eucalyptus works but should not be applied on children less than 3 years of age, while a 15–20 percent concentration of oil of cloves repels mosquitoes but can burn your skin, according to the article. And, "If you ate enough garlic to repel mosquitoes you're going to be repelling everyone else in the area too," Dill said. Other ways to avoid mosquitoes include timing and covering up as much skin as possible. Dill recommends clothes made of tightly woven fabric, and in light colors since mosquitoes are attracted to dark colors. He also recommends avoiding outside activities in the morning and evening, when mosquitoes are most active. And to discourage mosquitoes from being in your yard, removing standing water is essential. "If you're a gardener and you use five-gallon plastic buckets, always empty those. Even bird baths, make sure you empty those at least once a week," said Dill. "You have to try to convince your neighbors if you have a mosquito problem to do the same thing. If you're the only one that's doing it, it doesn't help a lot." [WGME](#) (Channel 13 in Portland) published the BDN article.

#### Maine Solar Sprint celebrating 25th year June 8 at UMaine

28 May 2019

The Maine Solar Sprint race is celebrating its 25th year on June 8 at the University of Maine. The event, which runs 10:30 a.m.–3 p.m., is free and open to the public. Solar Sprint, a UMaine Cooperative Extension 4-H program, challenges students statewide to create solar-powered model cars as an interactive way to learn principles of renewable energy and the engineering design process. A goal of the program is to increase youth interest in STEM-related topics and careers. The top cars from each participating school or site are invited to attend the state race June 8, in which the vehicles will compete for top speed and will be judged on innovation, design and craftsmanship. The event will be held in an area off Long Road on campus, and in case of rain, in the Advanced Structures and Composites Center. In addition to a full day of racing, participants will have the opportunity to tour the UMaine Composites Center, and learn more about engineering and other programs at UMaine. The program is sponsored by the Maine 4-H Foundation, RLC Engineering and Bob the Screenprinter. For more information or to request a reasonable accommodation, contact Danielle O'Neill, 207.393.7809; [danielle.oneill@maine.edu](mailto:danielle.oneill@maine.edu). More information also is on the Solar Sprint [website](#).

#### UMaine researchers attend International Trade Day event, News Center Maine reports

28 May 2019

[News Center Maine](#) reported University of Maine researchers were among hundreds who attended an International Trade Day event in Portland. The future of Maine's bioeconomy was front and center at the 39th annual trade show, according to the report. One group of UMaine researchers is seeking a patent for human bone replicas created from wood pulp, which they say could be a game changer for orthopedic materials in the medical world, News Center Maine reported.

#### Dill speaks with media about prevalence of ticks in Maine

28 May 2019

Griffin Dill, an integrated pest management professional with University of Maine Cooperative Extension, spoke with the [Portland Press Herald](#) and [Fosters.com](#) for articles about the prevalence of ticks in Maine this season. The Maine Center for Disease Control and Prevention has reported 146 Lyme cases through May 23, the Press Herald reported. So far, 41 percent of the 400 deer ticks sent to the University of Maine's Tick Identification Lab have tested positive for Lyme, with 8 percent carrying anaplasmosis, another tick-borne disease, according to Dill. "The conditions are ripe for ticks to be particularly active," Dill told the Press Herald. "As the weather gets warmer, we start seeing a lot more human-tick interactions." Fosters.com referred to southern Maine as "tick central" for the state. The farther north you go, the tick populations drastically drop off, Dill said. "They've been established longer in southern and coastal counties where the temperatures are warmer," he said. "There's more time for infections to cycle between ticks and the wildlife population." The [Bangor Daily News](#) published the Fosters.com article.

#### Trostel's report cited in Press Herald article on finances of seniors

28 May 2019

A 2017 University of Maine [report](#) by economist Philip Trostel was mentioned in the [Portland Press Herald](#) article, "Many Mainers enter golden years financially insecure." About 40 percent of all Maine seniors who live independently are financially insecure, according to a national index. They cannot afford basic expenses such as food, housing, transportation and health care without relying on benefit programs, loans or gifts, the article states. The cost of public assistance to Maine's retired population — from food stamps to long-term care — is expected to increase from \$35 million this year to \$273 million in 2032, according to the study by Trostel, a professor of economics and public policy. Nationwide, the cost is expected to increase from \$7.6 billion to \$65 billion in the

same period. [Sun Journal](#) published the Press Herald article. The study also was cited in the [Press Herald](#) editorial, "Crisis coming on elder care finance."

## **UMaine biotech spinoff company wins Top Gun prize, media report**

**28 May 2019**

The [Bangor Daily News](#), [Mainebiz](#) and [Maine Startups Insider](#) reported Neuright Inc., a biotech spinoff from the University of Maine, and Sticky Sweet, Portland's first company featuring plant-based ice cream, each won a \$25,000 prize as winners of the Top Gun entrepreneur contest. Neuright is developing a combined diagnostic test and therapy for early detection and treatment of peripheral neuropathy, a condition in which nerves die away from the skin, the BDN reported. The company was co-founded by Magdalena Blaszkiewicz, who graduated from UMaine in May with a doctoral degree in biomedical sciences, and Kristy Townsend, an assistant professor of neurobiology, to create and commercialize a medical device to more sensitively diagnose neuropathy in its earlier stages. The company partnered with UMaine faculty, including lead bioengineer Rosemary Smith, neuroscientist Len Kass, and electrical/computer engineers Nuri Emanetoglu and Ali Abedi, [Mainebiz](#) reported. Of the 100 million people in the United States who have diabetes or are in the process of getting the disease, more than 60 percent develop peripheral neuropathy, Blaszkiewicz told the BDN. "There's no cure, but with early diagnosis it's possible to treat the disease," she said. The company has designed a micro-needle array that can measure nerve conduction, the ability of the nerve to send signals to muscles. The device also can stimulate the regrowth of nerves that are retreating below the skin surface, the article states. Blaszkiewicz said the company's product, which will be manufactured by existing medical device companies under partnerships, will cost far less than current nerve activity detectors. More about Blaszkiewicz and Townsend's related research is [online](#). Top Gun is the annual program for competitively selected entrepreneurs sponsored by the Maine Center for Entrepreneurs and its partners, including UMaine.

## **UMaine's Dietetic Internship program offers workshop to registered dietitians**

**29 May 2019**

A free workshop for registered dietitians (RD) in Maine was offered as an outreach effort by the University of Maine's Dietetic Internship program in May. A second workshop will be offered in August to meet the high demand. The Dietetic Internship is housed within the School of Food and Agriculture in the College of Natural Sciences, Forestry, and Agriculture. Participants learned how to conduct nutrition-focused physical examinations (NFPE), which are a valuable tool for detecting malnutrition among hospital patients. Additionally, strong NFPE skills among RDs strengthen the profession of dietetics and give RDs the necessary expertise to provide state-of-the-art patient care. The workshop offered training and continuing education credits for RDs working in Maine health care settings. This professional development, in turn, benefits UMaine and graduate dietetic interns in the Food Science and Human Nutrition program who are mentored by the RDs while in supervised practice. The training was led by Mona Therrien, director of UMaine's Dietetic Internship program, and Jennifer Minieri, a recent UMaine alumna and a Maine-licensed dietitian.

## **Turner Publishing advances UMaine Extension Franklin County centennial event**

**29 May 2019**

[Turner Publishing](#) reported the University of Maine Cooperative Extension will celebrate 100 years in Franklin County with an open house June 19 at the UMaine Extension office in Farmington. From 3 to 6 p.m., the public is invited to meet UMaine Extension staff and volunteers; explore information on gardening, landscape maintenance and sustainable living; and learn about local 4-H youth development activities and clubs. Franklin County Extension Homemakers will provide light refreshments. [The Franklin Journal](#) also advanced the event.

## **Vachon to be inducted as Maine Sports Legend, BDN reports**

**29 May 2019**

The [Bangor Daily News](#) reported Amy Vachon, University of Maine women's basketball head coach, is among a seven-person class to be inducted into the Maine Sports Legends Hall of Honors in June. The honorees were chosen by regional committees for their accomplishments and contributions to youth and sports in Maine, according to the article. Vachon has coached the UMaine women's basketball team since 2017 and last winter guided the Black Bears to their second straight America East conference championship. A two-year captain for the UMaine women's basketball team as a player, she helped the Black Bears to four straight NCAA Tournament appearances and was part of the 1999 team that upset Stanford in the first round of the NCAA Tournament, the article states.

## **Grad student speaks with WVII about browntail moth caterpillars**

**29 May 2019**

Karla Boyd, a University of Maine graduate student and research assistant in the School of Biology and Ecology, was interviewed by [WVII](#) (Channel 7) for a report about browntail moth caterpillars in the state. According to UMaine researchers, browntail moth caterpillar webs have been spotted in Bangor, Orono and Old Town. The forest caterpillars attack trees and have hairs that cause a rash if they come in contact with human skin, WVII reported. After not being around for many years, browntail moth caterpillars had an outbreak in southern Maine in 2015 and researchers are looking into why they're continuing to spread to other parts of Maine, the report states. "So if you live in Bangor but you have a beautiful camp down in Damariscotta and you're bringing your camper back and forth, parking under some of these trees, we think that you're potentially bringing some of the caterpillars north," Boyd said. Researchers said the public should mow their lawns on wet days and cover their skin when hiking to try to avoid exposure to the hairs.

## **GQ quotes Brewer in report on Democrats running for president, Senate seats**

**29 May 2019**

Mark Brewer, a political science professor at the University of Maine, was cited in the [GQ](#) magazine article, "Presidential ambitions might kill the Democrats' chance of retaking the Senate." The GOP currently holds a 53–47 majority in the Senate, which means that if Democrats win the White House, they must net three Senate seats in order to take the slimmest possible majority, according to the article. The would-be Democratic contender to take on sitting Republican Sen. Susan Collins in Maine would be State House speaker Sara Gideon, [GQ](#) reported. Maine congresswoman Chellie Pingree, who lost to Collins in 2002, has also neither declared herself in the race nor taken herself out of it, the article states. "Maine politics are not as polarized as the politics of the United States as a whole," Brewer said. "Historically, voters are much more interested in public officials who stay above the fray, and that description fits Susan Collins pretty well." Morning Consult ranks her as the 14th-most popular senator in Washington, buoyed by strong support among independent voters, while Gideon and Pingree have relatively liberal track records that may be liabilities in a statewide race, according to [GQ](#).

## **Former Connecticut Governor Dannel Malloy to lead University of Maine System**

**30 May 2019**





[caption id="attachment\_67311" align="alignright" width="223"] Dannel Malloy[caption]

The University of Maine System Board of Trustees unanimously voted to appoint former Connecticut governor Dannel P. Malloy the next Chancellor of the University of Maine System. The appointment concludes more than a year of succession planning that included the development of a multi-year Declaration of Strategic Priorities and a national search for a leader. Chancellor James Page will retire on June 30, 2019.

Chancellor-designate Malloy will begin his service on July 1, becoming the 13th chancellor of the University of Maine System since its formation in 1968. The board will formally introduce Maine's new chancellor at a 9:30 a.m. break in today's annual Title IX training for university leaders at the University of Maine campus in Orono. Follow this link to the [live stream](#). "Dan Malloy is an executive leader and public servant committed to taking on complex change initiatives and getting the job done," said James Erwin, chair of the UMS Board of Trustees. "As governor he delivered reforms and structural changes to state government that were not always popular, and certainly not expedient, but that advanced the long term interest of his state and its citizens. "We are committed to continuing down the path envisioned for public higher education in Maine by Chancellor James Page. The Strategic Priorities the Board adopted in December and the selection of Dan Malloy as our next chancellor are clear indications of the Board's resolve to expedite our One University reforms. "Under Dan's leadership we will help lead Maine's response to our workforce shortage and skills gap by connecting more of what we teach directly to a job, by reaching more adult learners and other Mainers underserved by higher education and lifting their Maine-career aspirations, and by continuously including new approaches to what we teach and how we teach it to meet the competitive challenges of today's higher education marketplace." "Dan Malloy understands what higher education means for the future of a state and its people and is willing to put himself on the line to ensure that that future is bright," said Charles Hewett, Ph.D., Executive Director, Institute for Digital Engineering and Life Sciences and former Executive Vice President and Chief Operating Officer at Jackson Laboratory. **Executive leadership and public service**

Former governor Malloy brings 22-years of public service and executive leadership to the University of Maine System including eight years as governor of Connecticut and 14-years of service as the mayor of Stamford, Connecticut. The two-term governor was first elected in 2010 and won re-election in 2014. He choose not to seek re-election in 2018.

Accomplishments during his tenure leading the State of Connecticut included the creation of 124,000 private sector jobs and prioritizing the state's long-term fiscal health through structural reform. The Malloy administration achieved a 13 percent reduction in the size of the state government workforce, secured agreements with the state bargaining unit resulting in \$40 billion in savings to taxpayers, replenished the state rainy day fund to more than \$2 billion, and fully funded the actuarially required state pension payment every year. [Follow this link](#) to a report on the accomplishments of the Malloy administration. "My time in electoral politics is over, but I am still passionate about providing public service leadership that matters," said chancellor-designate Malloy. "Maine has set a national example for public higher education reform, and I am eager to work with the board, the presidents, faculty, staff, and university supporters to build on this progress for Maine's learners. "The Board's Strategic Priorities sets expectations and direction for our work. We have to act with urgency — Maine's workforce challenges grow larger by the day. Decisions will come fast, but they will be informed. I will be devoting many of my first days to visiting the campuses. I want to meet with new colleagues, hear from students, and see first-hand how our universities are serving the people and communities of Maine. "I want to thank the board for this opportunity to serve and chancellor Page for providing a vision for public higher education in Maine and for his gracious offer of support during our transition." Following his public introduction Thursday morning, chancellor-designate Malloy will travel to Augusta with chancellor Page to meet with leaders from the Maine Community College System, the business community, and the State House. Maine's incoming chancellor will have breakfast with students and staff at the University of Maine at Augusta on Friday and tour the Veterans Academic Center. Later in the morning he will visit with nursing students and student government leaders at the University of Southern Maine in Portland. Chancellor-designate Malloy will be returning to Maine throughout the month of June to meet with university leaders and stakeholders in preparation for assuming the chancellorship following chancellor Jim Page's retirement on June 30, 2019. "In our rural campus communities of Fort Kent, Farmington, Presque Isle, and Machias we understand how public higher education contributes to the vitality and economic future of where we live," said Kelly Martin, vice chair of the board of trustees. "Our campuses are anchor institutions for our regions and we are eager to introduce Dan Malloy to our programs, students, and partners." "We have made great progress under chancellor Page's leadership. We needed to be sure our leadership succession planning and national search for a new chancellor produced a leader with the experience and skills to continue and expedite our progress," said Sam Collins, trustee and chair of the search committee. "The board unanimously endorsed Dan's appointment because he understands what is at stake for Maine. We also agreed that while a chancellorship is a nonpartisan appointment, many of the leadership attributes that contributed to Dan's success in elected office will be important to his work in the University of Maine System." Included among the chancellor's responsibilities is advocacy for public higher education with elected officials, external stakeholders, and the general public. [Board Policy 214](#) provides guidance for the chancellor and campus presidents to ensure the political nature of this work remains nonpartisan and politically impartial. **Public higher education leadership and support** As governor, Malloy was a strong supporter of public higher education reform and innovations that improved affordability and outcomes for students and created stronger links to workforce opportunities in Connecticut. Accomplishments made during the Malloy administration include:

- Creation of the [Board of Regents](#) for Higher Education, bringing 17 community colleges and state universities into Connecticut State Colleges and Universities;
- Student-focused advancements like simplification of the credit transfer process and the launch of a "Guided Pathways" initiative to help students efficiently earn credentials, transfer and attain jobs;
- Two major expansion efforts at the University of Connecticut that invested more than \$2.3 billion in the state's flagship institution to support the development of the state's bioscience industry and to increase enrollment in engineering and STEM fields;
- The creation of seven advanced manufacturing centers that tripled the capacity of the advanced manufacturing center program helping to provide skilled workers for the state's manufacturing sector; and,
- Through the Connecticut Department of Labor, the Malloy administration expanded the state's apprentice program by approximately 40 percent and into several new sectors of the economy including nursing, healthcare, information technology, advanced manufacturing, and insurance. At the end of his second term 6,343 apprentices were getting an opportunity to earn a portable credential through on-the-job and classroom training.

Malloy is the current Rappaport Distinguished Visiting Professor at Boston College Law School and taught undergraduate political science for twelve semesters as an adjunct professor at the University of Connecticut. He holds a B.A. in political science, sociology from Boston College and is a graduate of Boston College Law School.

Dan Malloy was also a member of the local Board of Education in Stamford, Connecticut. Contact: Dan Demeritt, 207.441.6962

## Curiosity drives Groening '10 to document, share people's unique stories

### 30 May 2019

A cluster of elm trees near Stodder Hall is Jesse Groening's favorite University of Maine spot. "They were the best for climbing and getting a bird's-eye view of the campus," says the 2010 graduate. Since Commencement, the broadcast journalism major and TV film and video minor has had lots of interesting views and opportunities. He's filmed (while swimming with) sharks off the Florida coast, been a passenger on a sled pulled by dogs over glaciers in Alaska, and floated in a hot air balloon over vineyards — with kangaroos — at sunrise in Australia. He's flown on the Virgin Galactic prototype aircraft and maneuvered NASA's Curiosity rover on Mars. "What is so special about all these experiences is that I was trusted to be the person who documented it in an interesting, creative way so that others can witness and become part of these moments," says Groening, a freelance director of photography based in Maine. Groening has worked on programming for ESPN 30 for 30, Netflix, Amazon, ABC, NBC, CBS, HGTV, Travel Channel, Discovery Channel, Food Network, and the National Geographic Kids TV series "Weird But True!" that was nominated for three Emmys. In doing so, he's worked with a number of high-profile athletes, actors, models, politicians, musicians, scientists and business people. And he's become friends with some, including professional golfer Rickie Fowler, design and home renovation expert Ty Pennington and celebrity chef Robert Irvine. "At the end of the day, whether you're big or small, everyone wants a friend," he says. "It's refreshing to work with these revered people and feel like you're on the same team. Everyone wants to do a good job, and if you work hard and care about it, then people respond to that." Groening says moments that consistently give him chills are when he's in sync with a person who's vulnerable and true in front of his lens. "There is a great joy and rush that happens when it's you, your camera and this person," he says. "It can be very intimate and beautiful — like a lightning storm." Groening also appreciates opportunities to explore locales where he works — which have been in every state in the U.S. and in several countries. The experiences, he says, spur him to be informed, and to appreciate the natural beauty in his home state of Maine. Growing up in Belfast was special, says Groening, in part because of the area's woods, ocean, lakes and mountains, and "a community of smart, eccentric people who work hard and are self-reliant." "I've always been positively influenced by nature and how people connect with it," he says. "Likewise, I've always been very curious about people's stories, how they became who they are, what shaped them. Spending time with an interesting person with my camera documenting is my passion and I am lucky to have been able to make that passion into a career." An experience during a 2008 spring break trip to Spain sparked Groening's interest in documenting people's stories through a visual lens. In Comares, an elderly woman invited him into her home. "She had handmade soap and apricot brandy. I took this great portrait of her in front of her

house,” he says. “It was this brief whirlwind of meeting this woman, seeing what she did, and how proud she was, that was so sweet.” UMaine communication and journalism professor Nathan Stormer helped Groening craft his track that combined journalism, new media and photography/videography. Groening worked at The Ellsworth American and Bangor Daily News before leaving the state to explore larger markets, establish contacts and gain expertise nationwide. He’s since returned to the state he loves to live, snowboard, mountain bike, hike, swim, camp, and play with his dog — while continuing to work on projects across the country. As director of photography, Groening’s in charge of a production’s visual aesthetic and lighting. He works with the director, producers, on-air talent and with people in post-production. “The world of lighting is a lifetime study and, as with cameras, the technology is constantly improving and changing,” he says. “What a joy and a wonderful challenge it is to ‘light’ for a specific production’s mood, requirements, budget.” Depending on the type of project, TV show or documentary, Groening also might orchestrate multiple moving cameras. Or, he might fade into the background and let a scene unfold in front of the camera. “Every day is a new situation that requires creative problem-solving and adaptation,” says Groening, adding that his career spurs him to look at every day and every person as having magnificence and a story. “I love finding beauty in unconventional places and things,” he says. “I am inspired to be aware of people’s uniqueness, personal experience and point of view. My career has also affected me to always want to document, and continues to keep me curious.” As part of the job, Groening’s spent his share of nights, and days, in airports. He’s logged 17-hour days lugging a 30-pound camera and he was infected with the Zika virus on a shoot among crocodiles in the Everglades. And while embedded with a presidential campaign, the candidate yelled at him for getting too close. Because Groening looks at much of life through a lens, he says he’s aware of the color temperature of every single light bulb, and that he “sees” in sequences of camera moves. “Whether I am driving, walking or sitting, I see things around me in sequence,” he says. “Fun, but a little weird.” That perspective may shift a bit in the director’s chair. This season, Groening will direct two episodes of the Food Network show “Restaurant: Impossible,” for which he’s been director of photography for five years. “This is a big step and transition for me to put down the camera and purely direct the overall content of a production,” he says. In addition, Groening and Charlie Engelman, his business partner and co-producer, have created an educational series titled “Nature Parade” that promotes “extraordinary things in ordinary places.” They’re pitching the show — which encourages people to explore their backyards, and be informed about the natural world — to networks and streaming platforms. Climbing trees for a bird’s-eye view could be one show. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

#### Poet Richard Blanco to read June 8 at Hutchinson Center

30 May 2019

Celebrating the union of diversity, imagery and poetry, internationally acclaimed poet Richard Blanco will give a free public talk and reading at 5:30 p.m. June 8 at the University of Maine Hutchinson Center in Belfast. Blanco also will sign copies of his books, including his latest, “How to Love a Country.” In 2013, President Barack Obama selected Blanco to serve as the fifth presidential inaugural poet, joining the ranks of such luminaries as Robert Frost and Maya Angelou when he read his poem, “One Today.” Blanco’s mother was seven months pregnant when she and his family arrived as exiles from Cuba to Spain, where he was born. Forty-five days later, the family immigrated to New York City and eventually settled in Miami. The family’s experiences in the three countries foreshadowed negotiations of cultural identity, community and belonging that would shape Blanco’s life and continue to inform his work. As the first education ambassador for the Academy of American Poets, Blanco writes lesson plans, visits students at all grade levels and conducts workshops for educators on innovative ways to teach poetry. Sponsors of the June 8 event include the Hutchinson Center, Maine Chapter of the Fulbright Association, Left Bank Books of Belfast and several anonymous donors. Community partners include the Belfast Free Library, Belfast Historical Society, Belfast Area Chamber of Commerce, Belfast Creative Coalition, Our Town Belfast and Waterfall Arts. Doors open at 5 p.m. More information about Blanco and his work is [online](#). For event information or to request a reasonable accommodation, email Nancy Bergerson, [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu).

#### Penobscot Times advances UMaine Extension’s Maine Solar Sprint

30 May 2019

[The Penobscot Times](#) published a University of Maine news release announcing the 2019 Maine Solar Sprint race, which will be held June 8 at the University of Maine. The 10:30 a.m.–3 p.m. event, now in its 25th year, is free and open to the public. The University of Maine Cooperative Extension 4-H program challenges students statewide to create solar-powered model cars as an interactive way to learn principles of renewable energy and the engineering design process. A goal of the program is to increase youth interest in STEM-related topics and careers. The top cars from each participating school or site are invited to attend the state race June 8, in which the vehicles will compete for top speed and will be judged on innovation, design and craftsmanship. Participants also will have the opportunity to tour the Advanced Structures and Composites Center, and learn more about engineering and other programs at UMaine.

#### Bicentennial conference keynote speakers guests on Maine Public’s ‘Maine Calling’

30 May 2019

Pulitzer Prize-winning historians [Alan Taylor](#) and Laurel Thatcher Ulrich were recent guests on Maine Public’s “Maine Calling” radio show ahead of their keynote addresses at the Maine Statehood and Bicentennial Conference being held at the University of Maine May 30–June 1. Taylor and Ulrich will speak at 5 p.m. May 31 in 100 D.P. Corbett Business Building. The talks are free and open to the public.

#### Penobscot Times previews June star shows at Emera Astronomy Center

30 May 2019

[The Penobscot Times](#) previewed the June star show lineup at the University of Maine’s Emera Astronomy Center. Shows will include “Cell! Cell! Cell!” 2 p.m. June 2, 9, 16, 23 and 30; “Cosmic Colors,” 10 a.m. June 4; “Incoming!” 7 p.m. June 7, 14, 21 and 28; “The Little Star That Could,” 2 p.m. June 21; “Magic Tree House: Space Mission,” 2 p.m. June 24; “Polaris: Mystery of the Polar Night,” 2 p.m. June 26; and “Sesame Street: One World, One Sky,” 2 p.m. June 28. Tickets for all programs are \$6 for adults; \$5 for UMaine students, veterans and senior citizens; and \$4 for children under 12, unless otherwise noted. Tickets are available [online](#), by calling 581.1341, or at the box office prior to the show.

#### Maine Edge interviews Riordan ahead of Maine Statehood and Bicentennial Conference

30 May 2019

[The Maine Edge](#) spoke with Liam Riordan, history professor at the University of Maine, about the Maine Statehood and Bicentennial Conference being held at UMaine May 30–June 1. The conference, which is one of several events across the state to mark Maine’s 200th birthday in 2020, will feature a series of events, panels, presentations and concerts celebrating the unique history of Maine, its peoples, culture, politics, art and music. Riordan, one of the primary conference organizers, spoke about putting together the event. “The fun part is thinking about the themes to explore and what individuals to contact as potential presenters. It was a huge boost that Pulitzer Prize-winning historians Laurel Thatcher Ulrich and Alan Taylor agreed to be our keynote speakers very early in the process,” he said. UMaine also will host the Maine History Festival 2:30–4:30 p.m. May 31 at the Collins Center for the Arts. Something most people don’t know about Maine’s journey to and through statehood, according to Riordan, is that it was a tough decision and took a long time. “Today it seems natural that Maine would be its own state, but the process began in the 1780s and it took six popular votes from 1792 to 1819 (and then a big national controversy with the forced pairing of Maine statehood to Missouri) for it to actually occur,” he said. “I think it’s helpful to think about the Maine independence process as somewhat parallel to Brexit today.”

#### Media report on fall risk mitigation study at Orono nursing home

30 May 2019

[WABI](#) (Channel 5), [News Center Maine](#) and The Penobscot Times reported University of Maine researchers are working with residents of the Orono Commons nursing home to evaluate the potential for group exercise to reduce fall risk and improve balance. Christopher Nightingale, assistant professor of physical education and athletic training, and Jennifer McNulty, lecturer in health education and lifespan, are leading the pilot study with the help of two undergraduate students majoring in kinesiology and physical education. Since early April, the team has been leading group exercise classes. “We’re really working on strengthening different muscles that might be used to keep someone from falling,” Nightingale told WABI. “So we want to use their arms if they’re using a walker or strengthen their legs when we do some standing exercises.” In addition to assessing whether the classes can help mitigate falls and improve balance, the researchers are evaluating whether group exercise leads to improvement in seniors’ self-efficacy around fall risk when performing activities of daily living, such as walking across a room or climbing a flight of stairs. “Beyond the physical benefits that we’re looking for, I think just the chance to interact with some different people, I think our residents really appreciate that,” Nightingale said. Elizabeth Batts, a resident at Orono Commons, has been taking part in the research. “I have not gone outdoors to walk that much because of the winter,” she told News Center Maine. “I have been waiting for summertime. So this exercise is really good. I love it.”

#### MDI Historical Society magazine featuring work of UMaine faculty, alumni wins award

31 May 2019

The American Association for State and Local History (AASLH) has announced that Chebacco, the annual magazine of the Mount Desert Island Historical Society, is the recipient of a Leadership in History Award. Now in its 74th year, the award is the most prestigious recognition for achievement in the preservation and interpretation of state and local history, according to an MDI Historical Society [news release](#). Many members of the University of Maine community were involved in the creation of the 2018 award-

winning issue, “[Beholding the Past](#).” The magazine’s three editors, copy editor, 10 members of the editorial review board, and six of its authors are UMaine graduate students, alumni or faculty. “Beholding the Past” is the 19th issue of the magazine, which was first published in 1998. It includes stories behind artifacts and landscapes from the Mount Desert area, with topics of the stories by UMaine faculty and alumni ranging from the influence of a cookbook compiled by the Mount Desert Chapter of the Order of the Eastern Star, to the historical journey of the dawn redwood. The MDI Historical Society regularly partners with UMaine’s Clement and Linda McGillicuddy Humanities Center. More about UMaine’s involvement in the issue is [online](#).

### **Free Press advances poet Richard Blanco’s Hutchinson Center reading**

**31 May 2019**

[The Free Press](#) reported poet Richard Blanco will give a free public talk and reading celebrating the union of diversity, imagery and poetry June 8 at the University of Maine Hutchinson Center in Belfast. He also will sign copies of his books, including his latest, “How to Love a Country.” In 2013, President Barack Obama selected Blanco to serve as the fifth presidential inaugural poet, joining the ranks of such luminaries as Robert Frost and Maya Angelou when he read his poem, “One Today.” The event starts at 5:30 p.m. with doors opening at 5 p.m., according to the article.

### **Hopkins speaks with BDN about container gardening**

**31 May 2019**

The [Bangor Daily News](#) interviewed Kathryn Hopkins, a University of Maine Cooperative Extension educator and professor, for the article, “A beginner’s guide to container gardening.” Growing crops and flowers in containers instead of in a traditional garden plot is easy to start, relatively inexpensive and space efficient, according to the article. It also provides more control over growing conditions. “In a container garden, you can more easily regulate the kind of soil you have and the amount of water it gets, and you can move them around so they can get sun,” Hopkins said. “Containers give you more flexibility in gardening.” Almost anything will grow in a container if it is given adequate room for its roots and leaves, but some plants will grow better than others, such as herbs, salad greens, peppers, eggplant, tomatoes, beans, chard, beets, radishes, squash and cucumbers, the article states. “Some things just adapt better to container gardening,” Hopkins said. She also gave recommendations on how to start a container garden, including how to pick the right size container and provide adequate drainage. “There’s so many container options, and there are so many good plants that you can put in containers,” Hopkins said. “Everybody should have success.”

### **WABI covers Maine Statehood and Bicentennial Conference**

**31 May 2019**

[WABI](#) (Channel 5) reported on the start of the Maine Statehood and Bicentennial Conference being held at the University of Maine May 30–June 1. The conference features a series of events including concerts, panels and keynote speakers and aims to honor Maine’s unique history, culture, arts and more, WABI reported. “Oftentimes, we’re very much looking to the future and focused on the present, so that kind of round number of a bicentennial is a great moment to stop and pause and reflect a little bit about a lot of contemporary issues that actually have much longer roots in Maine history, society and culture than we usually recognize,” said Liam Riordan, a UMaine history professor and event organizer. The conference is one of several events across the state to mark Maine’s 200th birthday in 2020. In addition, UMaine is hosting the Maine History Festival 2:30–4:30 p.m. May 31 at the Collins Center for the Arts.

### **From coast to coast, companies team up to fund UMaine lobster research**

**31 May 2019**

A \$75,000 gift from two seafood companies will fund a fourth field season for a University of Maine deepwater lobster settlement monitoring program. The deepwater research is an extension of the American Lobster Settlement Index, which was initiated in 1989 by Rick Wahle, a research professor in the School of Marine Sciences and director of the Lobster Institute. The index includes collaborators and monitoring sites from Rhode Island to Newfoundland. The original surveys were conducted by divers, which confined data collection to shallower waters. In 2016, Wahle expanded monitoring to include greater depths with a novel collector deployed from fishing vessels. The addition of this data helps scientists evaluate how temperature affects the nursery potential of seabed for larval lobsters, and subsequent bottom movements by older juveniles. Maine Sea Grant sponsored the first two years of deepwater monitoring in collaboration with Ready Seafood Co. of Portland, Maine, and the Maine Department of Marine Resources. When the Maine Sea Grant project ended, Ready Seafood stepped in with a \$75,000 gift to support a third research field season in 2018. The 2019 field season will be funded by a \$50,000 gift from Ready Seafood Company, and a \$25,000 gift from Santa Monica Seafood Co., a seafood distributor in California. “Santa Monica Seafood is excited to participate in this collaboration with UMaine and Ready Seafood that gives everyone better insight into the population dynamics of this iconic and vital fishery,” said Michael Cigliano, chair of Santa Monica Seafood. Data collected during the 2019 expeditions will provide lobster fishery managers and coastal communities the information they need to respond to the changing environment and forecast future trends. Over the long-term, Wahle aims to test the hypothesis that the recent, unprecedented surge in lobsters eastward and deeper in the Gulf of Maine has been driven by a warming ocean. Contact: Margaret Nagle, 207.581.3745

### **Two UMaine students, one alumna chosen as Fulbright Finalists**

**03 Jun 2019**

Two University of Maine students and one alumna are 2019–20 Fulbright Finalists with the Fulbright U.S. Student Program. Emily Craig ’18, Eric Miller and Jesse Walters have been offered grants for their individually designed research projects. The Fulbright U.S. Student Program is named for Sen. J. William Fulbright, who introduced a bill in Congress in 1945 that called for the use of surplus war property to fund “promotion of international goodwill through the exchange of students in the fields of education, culture and science.” The program operates in more than 140 countries. Recipients of Fulbright grants are selected on the basis of academic achievement and demonstrated leadership potential in their fields. Craig, of Stonington, Connecticut, expects to do her research in Sri Lanka. She plans to explore environmental origins of chronic kidney disease of unknown etiology (CKDu) — one of the country’s leading causes of death. Miller, of Wausau, Wisconsin, will conduct research on payments for environmental services (PES) to promote conservation and resource management in Lao People’s Democratic Republic, or Laos. And Walters, from Klickitat, Washington, will be based in Frankfurt, Germany. He’ll examine how sulfur — an element critical to life, climate and the economy — is exchanged between the Earth’s surface and interior. Craig plans to examine environmental sources of CKDu with P. Mangala C.S. De Silva, a professor at the University of Ruhuna in Matara. They also anticipate working to develop a screening assay that quickly tests for well water contamination. In 2018, the member of the Honors College earned a bachelor’s in marine science with a concentration in marine biology and a minor in chemistry. After graduating, she worked as an associate with the Honors College. Craig feels fortunate to have grown up in a beautiful coastal town, where she developed an early and lasting appreciation of the ocean and marine life. She has studied how people’s devastation of the natural environment affects human health and well-being. At UMaine, environmental toxicology was a focus of her research with assistant professor Nishad Jayasundara, a native of Sri Lanka. She looks forward to continuing that study in the island country south of India. “I knew that I wanted to travel but I am a tad neurotic about my carbon footprint, so I knew that if I did travel I wanted to be in a place for a long time, and I wanted to be there for a reason,” says Craig, who enjoys snorkeling, painting, yoga, walks and being around delightful people. Being immersed in a culture and having opportunities to spread peace and goodwill also appeal to her. “It is through shared experiences, empathy, compassion and understanding that relationships are made, and I’m excited to go to Sri Lanka and develop relationships with other people, fostering a sense of home in a new country.” She credits the independent research she conducted in the Honors College with advancing her as an academic. She calls the university’s marine sciences program an exemplary learning environment. “All of a sudden, school wasn’t just reciting information from a textbook but realizing that there is a lot left to be researched and learned about,” says Craig, who is interested in a career as a professor of marine toxicology. Miller’s PES project in Laos will bring together ecology, economics and global environmental policy, an ideal fit for his academic interests. The Eagle Scout is pursuing two master’s degrees, an M.S. in resource economics and policy and an M.A. in global policy, with a concentration in environmental policy. He describes payments for environmental services as market-based incentives — similar to subsidies — offered to forest owners, farmers and other landowners to encourage conservation of natural resources that provide essential broader ecological services. “It’s a flexible tool, as it can be applied to communicate the value of a resource that is difficult to quantify through traditional valuation techniques,” says Miller, who enjoys snowboarding, camping, canoeing, cycling, playing card games and making bread. “I’m excited and grateful for the opportunity to connect with so many different perspectives as well as finding out how I’ll grow as an individual from this experience,” he says. At UMaine, Miller says he’s learned technical skills, refined his experience working with groups, and gained wisdom beyond course material from mentors who helped him define his research interests and address modern environmental problems. Possible careers include being a policy analyst at an environmental policy think tank, a water resource economist for a federal agency, or a position at the U.S. Department of State. Walters, an Earth science doctoral student, will examine subduction zones — where two pieces of Earth’s crust collide — with Horst Marschall, a professor at Goethe Universität in Frankfurt. When seafloor rock sinks into the inner Earth, Walters wants to determine whether sulfur remains in it or if it’s transferred to volcanoes that overlie subduction zones, then is returned to the surface. As a youngster in the small logging town of Klickitat, Walters hiked, camped, rafted and developed an interest in solving mysteries of the natural world. His high school graduating class totaled seven students. “When I was growing up, my father became interested in gold prospecting and we would travel around the country mining in remote areas,” says Walters, who once fronted a heavy metal band and now plays guitar in the cover band Jesse and the Geodes. “I became drawn to how Earth’s rock formations develop and the chemical processes that drive our planet.” After earning three associate degrees at Portland Community College, Walters received a bachelor’s in geology, *magna cum laude*, at Central Washington University, and a master’s in geosciences at Boise State University. The 2019 Chase Distinguished Research Assistant says he has become a more capable researcher at UMaine. He’s gained expertise on the university’s world-class laboratory instrumentation and has become a more proficient scientific writer and presenter. Walters says he’s interested in continuing his career in academia. He’s passionate about research and says it’s rewarding to share his knowledge and excitement for science. Fulbright Student Program adviser Christine Beitzl, a Campus Review Committee, and the Office of Major Scholarships have supported the Fulbright Finalists during the application process. UMaine students and alums interested in the Fulbright Program, or other nationally competitive scholarships, are encouraged to visit the Office of Major Scholarships in Fogler Library, visit the [website](#) or email [nives.dalbowheeler@maine.edu](mailto:nives.dalbowheeler@maine.edu). Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

### **Media publish UMaine news release on collaboration to fund lobster research**



03 Jun 2019

[Mainebiz](#), [Boothbay Register](#) and [Refrigerated & Frozen Foods](#) published a University of Maine news release about a \$75,000 gift from two seafood companies to fund a fourth field season for a UMaine deep-water lobster settlement monitoring program. The research is an extension of the American Lobster Settlement Index initiated in 1989 by Rick Wahle, research professor in the School of Marine Sciences and director of the Lobster Institute, the release states. The latest season of research will be funded by Portland, Maine-based Ready Seafood Co. and Santa Monica Seafood Co., based in California.

#### **Republican Journal advances Hutchinson Center prison art exhibit**

03 Jun 2019

The [Republican Journal](#) advanced an art exhibit at the University of Maine Hutchinson Center's H. Allen and Sally Fernald Art Gallery that features works created by inmates at the Maine State Prison in Warren. "From Behind the Wall 2.0" will feature paintings, fine furniture and sculpture and will be on display June 4–Aug. 30, the Republican Journal reported. A free public reception for the exhibit will be held 5:30–7 p.m. June 4 at the gallery. The exhibit is supported by The Art Loft of Rockland, a nonprofit community art center, the article states. For more information or to request a reasonable accommodation, call Nancy Bergerson, 207.338.8049. More information also is [online](#).

#### **Strout quoted in BDN's 'Nurses Care'**

03 Jun 2019

Kelley Strout, an assistant professor of nursing at the University of Maine, was quoted in an article from the [Bangor Daily News](#)' "Nurses Care" special section titled "School's cool for many nursing professionals." Strout believes school nurses are essential for students' health, sense of belonging, and overall mental well-being, the article states. "School nurses can help a lot of kids who are dealing with anxiety and stresses inside and outside the school. A lot of kids go to school nurses for reassurances that someone cares about them," said Strout. "There's so many standardized test requirements that kids are getting shorter and shorter lunch periods where they're inhaling food. Some schools have free or reduced lunch up to 90 percent and we're giving them 10 minutes to eat lunch when that may be the only food they get for the entire day. School nurses should be able to be front and center for these issues. But because we're so limited in the supply of school nurses, they can't fight those battles too and make sure kids are healthy enough to stay in school every day."

#### **Lancaster Farming publishes article on veterans, UMaine Extension's AgrAbility program**

03 Jun 2019

[Lancaster Farming](#) published an article on Maine AgrAbility, a nonprofit program that supports farmers, fishermen and forest workers with disabilities and helps them continue working, and how it helps Maine veterans. Funded by a USDA National Institute of Food and Agriculture grant and run by University of Maine Cooperative Extension and the National AgrAbility Project, Maine AgrAbility provides services at no charge to those who need them by connecting them to a network of federal, state and local resources. For Wabi-Sabi Farm, co-owned by veteran Holly Pickens, Maine AgrAbility "only had to link them up with a business mentor, and they took off running putting together a business plan and securing funding," said Anne Devin, coordinator of Maine AgrAbility's veterans division. "My issues are not physical, necessarily, although depression can be for sure. Working with AgrAbility has been a good experience. They've been very responsive," said Pickens. "The thing with AgrAbility is they don't finance anything, but they can point you to places" that provide financing. More about Maine AgrAbility is [online](#).

#### **Fuller quoted in NHPR segment on fiddleheads**

03 Jun 2019

David Fuller, an agriculture and nontimber forest products professional with University of Maine Cooperative Extension, was quoted in a [New Hampshire Public Radio](#) "Ask Sam" segment focusing on fiddleheads. "There's literally an army of foragers out there harvesting fiddleheads for this market," said Fuller. The typical fiddlehead forager "likes to be outdoors foraging, they may well be retired or partially retired, or they may have a small business of their own and they do this to supplement incomes," according to Fuller, who told NHPR a good picker can collect 100 to 150 pounds a day. "There are enough wild fiddleheads out there to satisfy the market, so I don't think the farming is really all that economically viable," Fuller said.

#### **News Center Maine reports mother, daughter graduate UMaine together with same degree**

03 Jun 2019

[News Center Maine](#) reported Julie Sanborn and her daughter, Anna Sanborn, graduated May 10 from the University of Maine, both receiving their master's in educational leadership after having taken every class together. Anna is Julie's only daughter and the two have always been close, according to News Center Maine. Julie has been teaching for 30 years, and Anna has been teaching for four years. They both enrolled in the master's program in 2016. "It has really helped to change our relationship from more of a mother-daughter experience to more of a friendship," said Anna. The two, who live in different towns, spent almost every night on the phone helping each other with assignments. And Anna helped Julie attend class electronically while she was being treated for lymphoma; Julie is now in remission. Anna has gained a greater understanding of what a wonderful teacher and strong woman her mother is, while Julie said watching her daughter grow as a teacher and spending time with her as peers has been an amazing experience.

#### **WABI covers Maine History Festival**

03 Jun 2019

[WABI](#) (Channel 5) covered the Maine History Festival, held in conjunction with the Maine Statehood and Bicentennial Conference and hosted at the University of Maine. The conference is one of several events across the state to mark Maine's 200th birthday in 2020. The festival took place May 31 at the Collins Center for the Arts, and featured about 50 vendors, WABI reported. "(The event) helps give us an excuse to think a little more about our distant past and all the legacies that continue right into our present," said Liam Riordan, a UMaine history professor and event organizer. "I think all too often — I am a history professor, so I can't help it — but we are always looking to the future. Always what's going to happen tomorrow. It's important also to realize that our present is very much shaped by the past." The conference continued Friday night with Pulitzer Prize-winning keynote speakers Alan Taylor and Laurel Thatcher Ulrich, and Saturday featured a 4 p.m. concert by the Bangor Band at Wells Conference Center, according to the report.

#### **New research reporting dashboard available**

04 Jun 2019

A new University of Maine [Research Reporting Dashboard](#) provides UMaine community members access to information on research activity data, including proposal submissions and awards. With a UMaine username and password, users can view, export and print customized research reports using filters, such as by department, date and other historical data. With its continuous content updates, the Research Reporting Dashboard provides a particularly efficient resource during peak data-collection times, such as annual reporting. The [Research Information Management team](#) that developed the dashboard expects to create tutorials, and expand and improve the research information resource with feedback from the community.

#### **Honors students, faculty travel to Sierra Leone to deepen educational partnerships**

04 Jun 2019

The Honors College Servant Heart Research Collaborative, in conjunction with Honors students who have been awarded the Davis Foundation Projects for Peace grant, will travel to Sierra Leone June 7–19 to work with local partners on the observation and implementation of two projects created by the collaborative. Stephen Kaplan, a rising sophomore computer science major, and Alli DellaMattera, a 2018 graduate in sociology and Spanish, will be joining to bring expertise on the projects they have helped develop over the last three years. One is a six-part series of workshops on attachment theory created by UMaine Honors students for caregivers of children who have experienced trauma. The workshops address specific issues related to attachment, and include activities to support awareness and skill building. DellaMattera, Grace Pouliot '18 and Alex Reppond '19 wrote Honors theses based on the research or results of these trainings. Aliya Uteuova '18, Kim Crowley '19 and other students also contributed to the project. The second project is NETT (National Exam Test-practice Tool), a test-taking platform to help students prepare for tests to progress from elementary to middle school and from high school to university. NETT allows students to take practice tests, and allows teachers to review students' progress and identify areas that students need to work on. To date, more than 2,000 students in Sierra Leone have used this online tool. One school for girls reported almost 19 percent more students passing the national exams this past fall compared to the

previous year. NETT was developed by Honors students Kaplan; DellaMattera; Pouliot; Colleen DeMaris, a rising junior computer science major; and Gene Herrschaft '18; as well as Jacob Hall '19. Grant Carrier '18 and Ciara Lawrence, a rising senior, also helped with the project. DeMaris is a key member of the team working on the NETT project and will be on campus troubleshooting for the duration of the trip. The trip will further the relationship between the groups at UMaine and in Sierra Leone, and will allow the UMaine team to experience the projects' implementation and impact firsthand and gather feedback to inform next steps. Faculty members who mentored the student projects will be joining the students on the trip: Melissa Ladenheim, Honors College associate dean; François Amar, Honors College dean and professor of chemistry; and Julie DellaMattera, associate professor of early childhood development and education. UMaine alumni Allen '73 and Patty Morell '73, who established the Servant Heart organization that works with the Child Rescue Centre in Sierra Leone, also will be traveling as part of the group. For more information, contact Amar, 207.581.3262; [amar@maine.edu](mailto:amar@maine.edu).

#### **Lobster Institute statistic cited in Des Moines Register report on orange lobster**

**04 Jun 2019**

The [Des Moines Register](#) cited a statistic from the Lobster Institute at the University of Maine in a report on seven orange lobsters being delivered to a subsidiary food distributor in Ankeny, Iowa. One in 30 million lobsters is orange, according to the Lobster Institute. The odds of finding a blue lobster are one in 2 million; a red lobster, one in 10 million; and a white lobster, one in 100 million, according to the article. Of the lobsters in Ankeny, two are being donated to the National Mississippi River Museum and Aquarium in Dubuque. One has been donated to a science program at a Des Moines high school, and the company is searching for homes for the other four lobsters, according to the report. The same subsidiary found one orange lobster in a shipment in 2016, which also was donated to the National Mississippi Museum and Aquarium, the report states.

#### **BDN publishes op-ed by postdoctoral fellow**

**04 Jun 2019**

The [Bangor Daily News](#) published an opinion piece by Amanda Bertana, an environmental sociologist and postdoctoral fellow at the University of Maine, titled "Think globally, act locally: Mainers are changing the world." Bertana is the postdoctoral fellow for the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members' columns appear in the BDN every other week.

#### **Penobscot Bay Pilot, Republican Journal report Hutchinson Center to offer tuition-free early college oceanography course**

**04 Jun 2019**

The [Penobscot Bay Pilot](#) and [Republican Journal](#) reported the University of Maine Hutchinson Center in Belfast will offer a tuition-free early college course, Concepts of Oceanography, to qualified high school students this summer. The course is offered through a partnership with the Maine Department of Education and the University of Maine System, and will meet 3–8:15 p.m. Mondays and Wednesdays July 15–Aug. 26. The four-credit course includes a laboratory section and will focus on basic concepts in physical, geological, chemical and biological oceanography, including an introduction to the relationship between the ocean and the atmosphere, and a discussion of global change issues, the articles state. "Taking UMaine's concepts in oceanography is a great way for high school students to get a jump-start on all STEM-related majors," said Nancy Bergerson, coordinator of student support services at the Hutchinson Center. "This is an amazing opportunity for students to save time and money and to begin their college career while still in high school." For more information, contact Allison Small, 207.581.8004; [allison.small@maine.edu](mailto:allison.small@maine.edu).

#### **Garland previews workshop in WABI report on spring weather, gardening**

**04 Jun 2019**

[WABI](#) (Channel 5) quoted Kate Garland, a horticultural professional with University of Maine Cooperative Extension, in a report on cold, wet spring weather and how gardeners are responding. Garland told WABI that people looking for gardening advice can attend a UMaine Extension spring planting workshop at 6 p.m. June 4 at Rogers Farm in Old Town. "We'd be very happy to see a lot of gardeners out," said Garland. "We're going to talk about direct seeding plants into the garden, working with transplants, even how to transplant dahlia tubers and hops plants is a new addition," and no registration is required for the workshop. UMaine Extension also offers gardening resources online. "We have a lot of bulletins and YouTube videos on how to trellis your tomatoes and prune your blueberries," said Garland.

#### **Coral detectives: Steneck, student team study reef health in Dominican Republic**

**04 Jun 2019**

The coast of the Dominican Republic is home to coral reefs, the world's most biodiverse marine ecosystems. But the reefs are rapidly degrading, threatened by the effects of climate change, overfishing and other human activities. University of Maine researcher Bob Steneck and UMaine students traveled there May 12–25 to collect data, increase knowledge and diagnose problems if they exist. This is the third expedition that Steneck, a professor of marine biology, oceanography and marine policy in the School of Marine Sciences based at the Darling Marine Center in Walpole, has led to monitor coral reefs in the Dominican Republic. The project, a collaboration between UMaine and the local nongovernmental organization Reef Check Dominican Republic, aims to monitor the most important characteristics of the health of the reefs with the goal of detecting trends in population. It's co-coordinated by Steneck and Ruben Torres, Reef Check director and marine biologist. Previous trips as part of the ongoing research took place in 2015 and 2017. Students from UMaine and the Dominican Republic work together to determine the status of reef health, and the collaboration is "a learning opportunity for both groups in terms of marine biology, coral reef ecology and cultural diversity," according to Steneck. That collaboration already has resulted in a policy action on the ground. In 2017, the team's research led to the country banning the harvest of parrotfish, which are key to maintaining the balance between algae and corals in the reef and are an indicator species for reef health. This year, UMaine undergraduate students Grace McDermott, Mackenzie Menard and Hannah Kerrigan; and graduate student Gretchen Grebe; collected data on juvenile corals, herbivorous fish bite rates, sea urchin abundance, and damselfish distribution and abundance, respectively. The UMaine students, all in the marine sciences program, took a graduate-level course on coral reefs that included a field trip to Bonaire and prepared them for research in the Dominican Republic. Four students from the Dominican Republic — three undergraduate and one graduate — worked with them on-site, focusing on coral disease, reef habitat architecture and photo surveys. Torres surveyed all types of fish, and Steneck focused on coral, algae and organisms attached to reefs. "This is a pretty unique program of teaching marine science but also helping a country monitor and manage their coral reefs," Steneck says. "The students learn about different cultures. Those of us from the U.S. get to observe and think deeply about coastal communities that depend on coral reefs but from very different economic conditions than most of us experience in our country." This year, the team already has seen significant changes to the ecosystem. "Since our last monitoring session, two hurricanes hit the north coast. We found coral cover had declined from 40 percent cover to about 20 percent cover," Steneck says. "However, several other sites showed increases in coral cover and overall coral reef health. Nevertheless, we are seeing diseases increasing at several sites that concerns us for the future of those coral reefs." The researchers hope their data monitoring and collection, and resulting studies, will continue helping to inform ongoing reef management and conservation in the island nation. The research is funded by Grupo PropaGas, an environmentally focused group of energy companies in the Dominican Republic. Contact: Cleo Barker, 581.3729

#### **NOAA scientist to discuss shellfish feeding, filtration at DMC**

**05 Jun 2019**

Darien Mizuta will discuss how shellfish filtration is affected by environmental factors — including temperature and food quality and quantity — at 6 p.m. June 12 in the library at the Darling Marine Center in Walpole. Mizuta is a postdoctoral research associate at the National Oceanographic and Atmospheric Administration Laboratory in Milford, Connecticut. Her talk is titled "In situ feeding performance for shellfish culture." Understanding filtration and feeding performance of shellfish is important to wild and cultured populations. Mizuta uses oceanographic data to assist with selection of sites for offshore mussel aquaculture. Mizuta will be joined by others from the lab — including director Gary Wikfors, Mark Dixon, Shannon Meseck and Skylar Bayer, who earned her Ph.D. at the University of Maine. Seabom Sohn of the East Sea Fisheries Research Institute in the Republic of Korea also will take part. Area shellfish growers are invited to connect with lab members and hear about work at the NOAA Milford Laboratory, which has a history of collaborating with the shellfish industry in the Northeast. There will be time for discussion and networking. For more information, a reasonable accommodation, or to RSVP (which is required because of limited seating), contact Dana Morse at 207.563.8186; [dana.morse@maine.edu](mailto:dana.morse@maine.edu).

#### **Hutchinson Center to offer SAT prep course, Penobscot Bay Pilot announces**

**05 Jun 2019**

The [Penobscot Bay Pilot](#) announced the University of Maine Hutchinson Center in Belfast will offer an eight-week SAT preparation course, Prep Matters, beginning July 15. The course is designed for rising high school juniors and seniors who plan to take the SAT in fall 2019, and will meet 10 a.m.–12:30 p.m. Mondays. "It is important that students understand that they need to work for a semester, not just cram at the last minute for one test," said Mary Smyth, the course instructor. The course fee is \$375 per student for preparation for the verbal, math and essay portions of the test; or \$275 for preparation for either the math or verbal portions of the test, the article states. A limited number of scholarships are available. For more information, or to request a scholarship application or a reasonable accommodation, contact Michelle Patten, 207.338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

## **Harrison quoted in Earth Touch News article on lynx**

**05 Jun 2019**

Daniel Harrison, a professor of wildlife ecology at the University of Maine, was quoted in an [Earth Touch News](#) article about a pair of Canada lynx that a Maine resident found caterwauling at each other on the side of a road in Somerset County. Harrison said such behavior is common, and the noises are intended to intimidate as each cat tries to proclaim dominance. “Cats are so well-equipped that they kind of avoid violence at all costs, because when they do get in a fight somebody gets hurt,” said Harrison. And the location also was not out of the ordinary. “Lynx use roads for travel corridors, so lynx encounter other lynx along roads. The vast majority of lynx on roads we never see because they’re in the woods before we notice them,” he said.

## **Penobscot Bay Pilot, Republican Journal advance Hutchinson Center restorative practices program**

**05 Jun 2019**

The [Penobscot Bay Pilot](#) and [Republican Journal](#) advanced a six-session program, “Foundations in School-based Restorative Practices,” to be offered at the University of Maine Hutchinson Center in Belfast beginning June 27. Following sessions will take place June 28, Sept. 16, Oct. 25, Nov. 18 and Dec. 13, and all will be held 9 a.m.–4 p.m. The program is designed to offer a strong conceptual foundation, a supportive learning environment, and planning tools and resources to tailor to specific needs of schools, according to the articles. Schools must register in teams of up to five members, including at least one representative from administration. Teams will gain a strong foundation in restorative practices, and be better able to assess future support and development needs as they grow toward restorative culture change, the articles state. Program cost is \$600 per person and includes materials, a light breakfast and a catered lunch. Registration is [online](#), and a limited number of need-based scholarships are available. Upon completion, participants will earn a UMaine certificate in school-based restorative practices and 4.2 continuing education units/42 contact hours, the articles state. For more information or to request a reasonable accommodation, contact Michelle Patten, 207.338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

## **WABI covers prison art exhibit at Hutchinson Center**

**05 Jun 2019**

[WABI](#) (Channel 5) covered an art exhibit at the University of Maine Hutchinson Center’s H. Allen and Sally Fernald Art Gallery that features works created by inmates at the Maine State Prison in Warren. The show, titled “From Behind the Wall 2.0,” is on display in Belfast through Aug. 30, WABI reported. More information is [online](#).

## **Seacoast Online previews climate change lecture by Gill**

**05 Jun 2019**

[Seacoast Online](#) previewed a lecture by Jacquelyn Gill, an assistant professor of paleoecology and plant ecology at the University of Maine, titled “Of Mice and Mammoths: Ice Age Perspectives on Climate Change, Extinction, and Resilience.” Gill’s lecture will be at 6 p.m. in the Mather Auditorium at the Wells Reserve, and is part of the Wells Reserve’s 2019 Ted Exford Climate Stewards lecture series, according to the article. Suggested donation is \$5. More information is [online](#).

## **UMaine researcher, journal article on scientific credibility featured for World Environment Day**

**05 Jun 2019**

A journal article on scientific credibility by University of Maine researchers has been selected by a global publishing company to be featured on its [website](#) in celebration of World Environment Day. The article, “Communication, Relationships, and Relatability Influence Stakeholder Perceptions of Credible Science,” was first published in the journal *Fisheries* in April. It is one of 146 articles from 75 journals across a broad range of disciplines that is being featured by Wiley starting June 5. The collection highlights science that is making a positive impact on the future of the planet. The website also spotlights 15 scientists who are using their research to advocate for the environment, including the study’s lead author, Jocelyn Runnebaum, who earned a Ph.D. in marine biology from the School of Marine Sciences at the University of Maine in 2017. She is now the fisheries project manager at The Nature Conservancy in Brunswick, Maine. Other authors include recent School of Marine Sciences alumni Elisabeth Maxwell, now with Maine Sea Grant; Karen Pianka, now with NOAA Fisheries in Washington, D.C.; and Noah Oppenheim, executive director of the Institute for Fisheries Resources in California, who were all students in the dual master’s degree program in marine biology and marine policy; as well as Joshua Stoll, who received his Ph.D. from the School of Marine Sciences in 2016 and is now an assistant research professor in the School of Marine Sciences. The authors highlight that applied fisheries science results in a knowledge product that informs policy and management, which makes perceptions of credibility a critical aspect of the scientific process. The study suggests researchers who struggle with getting their science used in a decision-making context may want to consider how harvesters, managers or policymakers perceive credibility beyond the technical merits of science. The team asked marine resource stakeholders from Maine to discuss perceptions of credible science to understand how they assess scientific credibility. Text analysis of six small-group conversations revealed that stakeholders evaluate credibility based on communication style, relationships and relatability. The attributes are self-reinforcing and are influenced by transparency. The study identified the importance of developing the ability to listen to the views and expertise of stakeholders and adapt to new situations and relationships. The researchers found facilitation and improvisational, or acting, trainings can provide effective tools for improving listening and communication skills. “Management decisions based on scientific information that is viewed as credible by stakeholders have a greater potential to be accepted by stakeholders, and potentially result in higher compliance with these conservation and management measures,” Runnebaum says. Results were based on a limited number of stakeholders who were predominantly commercial lobster harvesters and had previously been involved in cooperative research. To provide further insight, the researchers suggest future studies target stakeholders from other areas within the commercial fisheries industry who are not already engaged in science or policy. World Environment Day encourages global awareness and action to protect the environment. All articles featured on Wiley’s [website](#) are free to read through Aug. 31. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## **UMaine hosts Transportation Infrastructure Durability Center Conference**

**06 Jun 2019**

The University of Maine is hosting the first Transportation Infrastructure Durability Center (TIDC) Conference on June 6–7 at the Donald P. Corbett Business Building. The goal is to share groundbreaking, next-generation research that will positively impact the durability of transportation infrastructure, increase the lifespan of transportation assets, and save money for departments of transportation based in New England. Researchers from UMaine, University of Connecticut, University of Massachusetts Lowell, University of Rhode Island, University of Vermont, and Western New England University will give presentations about their research and collaborate to identify research opportunities that address New England’s infrastructure durability needs. Student researchers from the six New England university partners have submitted research posters for judging. The winning poster will be announced at 3:30 p.m. June 6. Scheduled keynote speakers are Bruce Van Note, Maine Department of Transportation (MaineDOT) commissioner, at 8 a.m. June 6, and Brit Svoboda, Advanced Infrastructure Technologies chairman and CEO, at 8 a.m. June 7.

## **Community fundraising effort underway to launch Magic Lantern Innovation Lab and Learning Center in Bridgton**

**06 Jun 2019**

A \$4 million fundraising campaign is underway to purchase the Magic Lantern, a theater and pub on Depot Street in Bridgton, and expand the community engagement it offers with the development of an innovation lab and learning center for youth. To date, the Maine 4-H Foundation has raised half of the \$4 million needed to purchase the facility from Snapdragon, LLC to create and open the Magic Lantern Innovation Lab and Learning Center. The center, which will be led by University of Maine Cooperative Extension, will provide a hub of creative activity for rural youth in the Maine Lakes Region. Under Maine 4-H Foundation ownership, the Magic Lantern will continue to offer a three-auditorium theater, a pub with upgraded movie projection capabilities, and a venue for community engagement. The UMaine Extension 4-H youth development program will increase the educational offerings, and outreach to schools and educational nonprofit organizations. The goal is to have proceeds from the Magic Lantern theater and pub fund local youth education, making the facility as self-sustaining as possible. “Our intention has always been to promote entertainment, culture and education through the Magic Lantern. We lit the torch; 4-H and the University of Maine will continue to run with it. We couldn’t be happier,” said Magic Lantern co-owner Frank Howell. Magic Lantern opened in February 2008 as a community center with state-of-the-art technology, including high-definition projection and sound systems, and full stages. The facility was put up for sale in 2017. The following year, talks began with the co-owners of the Magic Lantern, community members and the Maine 4-H Foundation to explore the possibility of the philanthropic and educational venture. In addition to Howell and Maine 4-H Foundation executive director Susan Jennings, the planning team behind the project included Dan Cousins and input from school superintendents, headmasters, and nonprofit and foundation leaders and educators. Among the priorities: educational opportunities for young people focused on the arts, and on mathematics through design and engineering activities. In the Tannery Pub, a dine-in theater, the menu would feature locally sourced whole foods. Fundraising is now in the community challenge grant phase to raise the remaining \$2 million to purchase the facility and launch the Innovation Lab and Learning Center. The project is part of UMaine’s \$200 million Vision for Tomorrow comprehensive campaign. To date, matching challenge grant donors include the Kendal C. and Anna Ham Charitable Foundation, the Maine 4-H Foundation and a major anonymous donor. Last fall, early support came from the Stephen and Tabitha King Foundation. The new Magic Lantern Innovation Lab and Learning Center will focus on educational programming with an emphasis on cross-discipline learning, creative thinking and problem solving. Visual and performing arts programming will include creative writing, play writing, film production, advertising copywriting, broadcasting and illustration. For programming focused on

math, design and engineering, the center will partner with area businesses, such as Down East Innovation, RLC Engineering, UMaine, the Maine Mathematics and Science Alliance, 4-H STEM Hubs and local schools — all of which are current participants in 4-H Youth Development programs statewide. In addition, the Innovation Lab and Learning Center's outreach will include hands-on enrichment workshops and experiential education programs in area schools. "4-H and the University of Maine are poised to bring far more to Bridgton than we were able to with the Magic Lantern by ourselves," said Howell. "This is the ultimate realization of our family's dream for Bridgton." The overarching goal is to increase affordable educational opportunities for rural youth in western Maine, said Jennings. "Young people growing up in rural Maine do not have the same opportunities and resources that other youth have in the urban areas of Maine," Jennings said. "4-H has been engaged in experiential education pilot school programs for over 10 years and have successfully increased test scores, raised aspirations, increased attendance and engaged students in career-based learning. We look forward to partnering with this community and the region to offer UMaine programming that can make a difference in the lives of children, youth and their families." 4-H is an important part of the continued education of young people in vital yet overlooked areas of the country, said Ali Kiger, a member of Snapdragon. "4-H and the University of Maine coming to Bridgton will give an opportunity to so many individuals that might not otherwise get the benefit of such education." For more information or to contribute to the project, contact the Maine 4-H Foundation, 207.615.7300; [susan.jennings@maine.edu](mailto:susan.jennings@maine.edu). A video about the initiative is [online](#). Contact: Susan Jennings, 207.615.7300

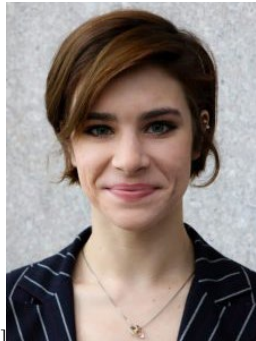
#### **Black Bear pitchers Laweryson, Silva selected in MLB draft**

**06 Jun 2019**

University of Maine baseball players Cody Laweryson and Nick Silva were chosen by Major League Baseball squads June 5 during the First-Year Player Draft. The Minnesota Twins picked Laweryson, a right-handed pitcher from Moscow, Maine. Laweryson, who attended Upper Kennebec Valley High School in Bingham, Maine, earned America East All-Tournament and First Team selection honors during his junior campaign. The Chicago White Sox selected Silva, a right-handed pitcher from Miami, Florida. Silva just completed his college career — which included a seven-inning no-hitter versus UMass Lowell. He was named America East Pitcher of the Week six times in a Black Bear uniform. To learn more about Laweryson and Silva, visit [goblackbears.com](http://goblackbears.com).

#### **Emmeline Willey interns at DOE through Margaret Chase Smith Policy Center program**

**06 Jun 2019**



[caption id="attachment\_67423" align="alignright" width="223"] Emmeline Willey[/caption] University of Maine junior Emmeline Willey is one of six student interns assisting with summer daily operations at the Maine Department of Education in Augusta. The Margaret Chase Smith Policy Center at the University of Maine administers the Maine Government Summer Internship Program. "We are delighted to welcome these precocious leaders to our Department of Education team," says Pender Makin, DOE commissioner. "We are excited to have their energy and voices as a part of our work, and look forward to wonderful things from each of them, for the summer and beyond." Willey, from Monmouth, Maine, is a media studies major with psychology and education minors. Since high school, she's been inspired to improve the quality of student life in public schools. In spring 2019, she was a senator in the General Student Senate. She acts in an improv comedy club and likes to play ragtime on public pianos. In the Commissioner's Office, Willey publicizes events, gathers information and streamlines communications. Katherine Gunther, Simon Handelman, Ariel Lam, Katherine Sawyer and Griffin Tibbitts also are summer interns at the DOE. Gunther, of Farmington, Maine, is a senior majoring in graphic design and architecture at Roger Williams University in Bristol, Rhode Island. Gunther enjoys photography, illustration and videography, and plans to pursue a career in publication design. She's creating videos and generating educational materials about school budgets. Handelman, of Freeport, Maine, is a junior studying political science, history and English at George Washington University in Washington, D.C. He likes to hike, go to the Portland Museum of Art, and take road trips with friends to explore Maine communities. Handelman's from a family of educators and is eager to gain a deeper understanding of local government and politics. He works on communications between the DOE and citizens. Lam, from New Jersey, is a senior at Bates College in Lewiston, Maine, majoring in sociology and mathematics and minoring in education. At the DOE, Lam works on financial accounting for local school systems and researches program funding. Sawyer, of Minot, Maine, is a second-year student at the University of Maine School of Law in Portland, Maine. She enjoys CrossFit, snowboarding and tennis. School enrollment is her focus at the DOE. Tibbitts, from Bath, Maine, majors in history and minors in biology at McGill University in Montreal. He plans to specialize in the ethics and the legality of emerging biotechnologies in law school. At the DOE, Tibbitts is a data analyst and instruction assistant, and makes training videos for school staff.

#### **Climate Reanalyzer cited in article by The Buffalo News**

**06 Jun 2019**

[The Buffalo News](#) cited the University of Maine Climate Change Institute's Climate Reanalyzer in the article "It's a lock: A warm, sunny, dry weekend is heading our way." In addition to discussing the upcoming weather for the Buffalo-Niagara Falls area, the article reported the Arctic Ocean will continue this month to experience record warm temperatures tied to climate change. The Climate Reanalyzer shows warming in the Arctic at high latitudes, and projects temperatures at or above 32 degrees during the next 10 days, which is 2 to 5 degrees Celsius above average, the article states. This follows a mild winter, by Arctic standards, and the warmest Arctic May on record, according to the article.

#### **Fatherly speaks with Milardo for article on being a good uncle**

**06 Jun 2019**

Robert Milardo, University of Maine emeritus professor of family relations, was interviewed for a [Fatherly](#) article about how to be a good uncle. Expectations for uncles vary wildly by family and culture, the article states. Milardo interviewed hundreds of uncles, aunts, nieces and nephews for his 2009 study and book "The Forgotten Kin: Aunts and Uncles." "Once I started talking to uncles, I realized how complex this was and how important these relationships could be," said Milardo. About a third of his subjects reported tight bonds between uncles and nephews, according to the article. "People were closer geographically, but that turned out to be not the most important feature. What was more important was social distance. If uncles and their nephews found things they had in common then they were more likely to become closer," Milardo said. For example, Milardo found social distance was hard to bridge for college-track kids and uncles with no higher education experience, the article states. But when uncles are close with their siblings, they find it easier to bond with their kids, who in turn are more likely to trust the uncle as an authority figure independent from their parents. "Children, even fairly young kids like 5- or 6-year-olds will often ask uncles about their parents or complain about a rule in their households that they don't agree with," Milardo said. "And then uncles become the springboard for the child coming to understand the parents." That means parents can enlist the help of the uncle to reinforce rules, the article states. "A nephew might come over to an uncle's house, complain about his parents, which is a pretty typical thing and the uncle listens but sides with the parents. And oftentimes that's acceptable to nephews because their uncle is seen as a more neutral voice," said Milardo. And kids often turn to uncles about topics they want advice on but aren't comfortable discussing with their parents, like drugs and sex, according to Milardo. "It's important to be responsive to those issues and provide an opportunity for a nephew to talk about what's important in their life, what issues they have, what their friendships are like and so forth," Milardo said. "When the relationships work really well, the uncle's important for the parents as well because oftentimes fathers will talk to uncles about parenting, about what the frustrations might be, what the difficulties are. And uncles can provide a supportive ear because they know all the parties."

#### **Washington Post cites UMaine research in article on washing produce**

**06 Jun 2019**

[The Washington Post](#) cited University of Maine research in an article about washing produce. Researchers in UMaine's Food Science and Human Nutrition program tested three commercial wash treatments and found that distilled water was just as effective or more effective at removing microbes and pesticides from produce, according to the article, which noted clean, cold tap water also can be used. The Post recommended always washing produce, and gave specific tips for different types of fruits and vegetables. The [National](#)

Post in Canada, [Winnipeg Free Press](#) and [Portland Press Herald](#) carried the Washington Post article.

#### **Leslie discusses marine fisheries research at symposium in Germany**

**07 Jun 2019**

Heather Leslie, director of the University of Maine Darling Marine Center, presented her research in June at the 2nd Symposium on Functional Marine Biodiversity at the University of Oldenburg in Germany. Leslie was one of 16 invited speakers at the symposium organized by the Helmholtz Institute for Functional Marine Biodiversity at the university. The Libra Associate Professor in the School of Marine Sciences shared her work on the ecological and human dimensions of marine fisheries with 150 participants from 33 institutions spanning 11 countries. The U.S. National Science Foundation's support of Leslie's research has enabled the development of [MAREAS](#)—the international, interdisciplinary sustainability research and education collaborative that she leads. With students and School of Marine Sciences colleagues, Leslie conducts related work on coastal community resilience and fisheries on the coast of Maine, with the support of the National Oceanic and Atmospheric Administration and UMaine. Leslie also visited the University of Oldenburg's marine field station on the lush island of Spiekeroog in the North Sea. "I always appreciate the chance to see new marine habitats and to talk with people who are interested, as I am, in understanding how ocean ecosystems work and how we can best share that knowledge to support ecosystem-based management," Leslie says.

#### **Registration open for 4-H June Jamboree**

**07 Jun 2019**

University of Maine Cooperative Extension 4-H will host its annual June Jamboree, beginning at 5 p.m. June 14 at Fryeburg Fairgrounds. The event closes after lunch June 16. The jamboree, open to all Maine 4-H families, is designed to help youth learn about the care, health and wellness of livestock; fitting and showmanship; and zoonotic diseases. Workshops are suitable for youth completing 4-H project work with sheep, swine, horses and working steer, including working steer tryouts for the Eastern States Exposition in September. Horseless riders are welcome. The \$20 fee, \$10 for each additional family member, includes tent/camper space and meals. Youth must be accompanied by a parent or guardian. More information and registration are [online](#). Event co-sponsors include Farm Credit East and Hannaford Supermarket in North Conway, New Hampshire. Also for more information, or to request a reasonable accommodation, call 207.743.6329.

#### **Watch Bicentennial Conference talks by Pulitzer Prize-winners**

**07 Jun 2019**

To commemorate Maine's 200th anniversary of statehood in 2020, the University of Maine recently hosted a three-day [Maine Statehood and Bicentennial Conference](#) that included a variety of events, panels, exhibits and concerts. Pulitzer Prize-winners Alan Taylor and Laurel Thatcher Ulrich delivered keynotes May 31. Taylor is the Thomas Jefferson Foundation Chair at the University of Virginia and Thatcher Ulrich is the 300th Anniversary Professor at Harvard University. The talks, as well as remarks by UMaine history professor Liam Riordan, UMaine Executive Vice President for Academic Affairs and Provost Jeffrey Hecker, and Penobscot Nation Tribal Ambassador Maulian Dana, are on [UMaine's Youtube](#) channel.

#### **Free Press advances NOAA scientist's DMC talk on shellfish filtration**

**07 Jun 2019**

[The Free Press](#) reported Darien Mizuta, a postdoctoral research associate at the National Oceanographic and Atmospheric Administration Laboratory, will speak June 12 at the University of Maine's Darling Marine Center in Walpole. The 6 p.m. presentation, "In situ feeding performance for shellfish culture," will describe how shellfish filtration is affected by local environmental factors such as temperature and food quality and quantity, according to the article. Mizuta will review techniques and considerations for evaluating sites for shellfish aquaculture, with reference to Maine sea scallops, the article states. There will be time for discussion and networking. For more information, a reasonable accommodation, or to RSVP, contact Dana Morse at 207.563.8186; [dana.morse@maine.edu](mailto:dana.morse@maine.edu).

#### **Outdoor leadership program being offered at Bryant Pond, Daily Bulldog reports**

**07 Jun 2019**

[Daily Bulldog](#) reported the University of Maine Early College program is offering a new outdoor leadership pathway program for western Maine high school students to earn UMaine college credit tuition-free. The outdoor leadership program at UMaine's 4-H Camp and Learning Center at Bryant Pond focuses on developing an individual's leadership skills while providing intensive training in contemporary and traditional outdoor activities, and immersion experiences in the Maine outdoors, according to the article. Graduates will be well positioned to succeed in a variety of outdoor-oriented careers in business, nonprot and educational settings. They also will gain leadership skills and condence that will serve them in any career, the article states. The [Livermore Falls Advertiser](#) also previewed the outdoor leadership pathway program.

#### **Media report on Black Bear pitchers being selected in MLB draft**

**07 Jun 2019**

The [Bangor Daily News](#) and [Portland Press Herald](#) reported University of Maine baseball players Cody Laweryson and Nick Silva were chosen by Major League Baseball squads June 5 during the First-Year Player Draft. The Minnesota Twins picked Laweryson, a right-handed pitcher from Moscow, Maine, and the Chicago White Sox selected Silva, a right-handed pitcher from Miami, Florida. "I didn't expect to get picked that early in the draft," Laweryson told the BDN of being the 419th overall pick. "His fastball command is what got him drafted so high," UMaine head coach Nick Derba said. "It was excellent. He put it where he wanted to." Laweryson told the Press Herald he's eager to get started. "This is everything I dreamed of," he said. "This is another step in the right direction."

#### **Volunteers needed to document sea level impact on shell middens, Boothbay Register reports**

**07 Jun 2019**

[Boothbay Register](#) published a Coastal Rivers Conservation Trust news release about Maine Midden Minders, a new initiative working with individuals and conservation groups to develop a database of erosion conditions at shell middens around the state. Based at the University of Maine and funded by Maine Sea Grant, Midden Minders is managed by geoaarchaeologist Alice Kelley, who initiated the program. Kelley is an instructor in the UMaine School of Earth and Climate Science and research associate professor in the Climate Change Institute. Coastal Rivers is seeking volunteer Midden Minders to make regular visits to middens to take measurements and record changes through observations and photographs, according to the article. Volunteers also will document storm impacts, which will help researchers and resource managers understand threats to the middens and plan for data rescue and conservation, the article states. The first annual Midden Minders volunteer training will be offered 3–7 p.m. June 18 at Coastal Rivers' Education Center in Damariscotta.

#### **Down East quotes Kraus in article on bluefin tuna skeleton**

**07 Jun 2019**

[Down East](#) magazine published an article about a bluefin tuna skeleton on display at the University of Maine at Machias. Gayle Kraus, a professor of marine ecology at UMM, assembled the skeleton with students in her skeletal articulation course, according to the article. "We used hot glue because we were just learning," she said, "and if we put some bones together incorrectly, we could simply use a hair dryer, melt the glue, take the bones apart, and try again." They spent a full semester with this jigsaw skeleton, the article states. "It was terribly exciting," Kraus added. The skeleton turned out to be almost 8 feet long, which means the fish must have weighed more than 500 pounds, Down East reported.

#### **Farrell recent guest on Maine Public's 'Maine Calling'**

**07 Jun 2019**

Sally Farrell, a 4-H youth development professional with University of Maine Cooperative Extension, was a recent guest on [Maine Public's](#) "Maine Calling" radio show. The show's topic was how young people are getting involved with farming in Maine, including programs and educational efforts aimed at encouraging youth to participate in agriculture.



## **WBUR interviews postdoctoral researcher about loss of native plants in New England**

**07 Jun 2019**

[WBUR](#) (NPR Boston) spoke with Caitlin McDonough MacKenzie, a postdoctoral researcher at the University of Maine, for the report, “New England is losing its native plants. Researchers say it’s time to stop and smell the wildflowers.” A recent study led by McDonough MacKenzie found that about one quarter of native New England wildflower species have been lost in the last 150 years. Researchers worry that this loss of biodiversity may harm local ecosystems, the report states. McDonough MacKenzie said the losses don’t follow an obvious pattern. “It’s not just developed sites that are losing more of their historic floras,” she said. “There are a lot of stressors and threats to our native plants.” A recent biodiversity report from the United Nations detailed massive extinctions happening across the globe, WBUR reported. Even though McDonough MacKenzie’s study didn’t find that wildflowers have gone extinct, she said the changes she found are just as concerning. “It can be really hard to wrap your head around these really big, abstract concepts of something like a United Nations report. But when we look at it at a local level it drives home how real this is, especially when you can point to these things happening basically in our backyard here, in New England,” she said. “This is not just a study of something that’s happening to polar bears in the Arctic or the Amazon rainforest being chopped down, this is happening right here.” [Lancaster Farming](#) also reported on the study, and New England Public Radio carried the WBUR report. McDonough MacKenzie also was a recent guest on [WNPR](#)’s (Connecticut Public Radio) “Where We Live” program. The show’s topic was the significance of Connecticut’s new commitment to offshore wind.

## **WABI, News Center Maine cover Transportation Infrastructure Durability Center Conference**

**07 Jun 2019**

[WABI](#) (Channel 5) and [News Center Maine](#) reported on the first Transportation Infrastructure Durability Center (TIDC) Conference, held June 6–7 at the University of Maine. The goal of the event is to share groundbreaking, next-generation research that will positively impact the durability of transportation infrastructure, increase the lifespan of transportation assets, and save money for departments of transportation based in New England. Researchers from UMaine and other universities in the region gave presentations and are working together to identify research opportunities that address New England’s infrastructure durability needs, WABI reported. “If there are solutions that Vermont is developing or New Hampshire’s developing, we need to know about it, and the solutions we are developing they would like to know about it,” said Habib Dagher, executive director of the University of Maine Advanced Structures and Composites Center. “By working together, we can save money, we can work more efficiently, and hopefully we have a lot of bright people in all different states, and by putting our heads together at the University of Maine and other universities as well, we can better solve some of these problems.” The intent is to hold the conference annually at different universities around New England, the reports state.

## **For Schreiber, humor’s a topic worthy of serious consideration**

**07 Jun 2019**

Listening to comedy routines of Dave Chappelle, Steven Wright and Joan Rivers are assignments in Holly Schreiber’s “Humor and Diversity in the U.S.” course. So too, are watching clips of television hits “The Office” and “Parks and Recreation.” No joke. Students examine humor from a variety of perspectives in the three-credit online course, including humorous expression in U.S. culture and their role within it. They learn how humor can highlight, reinforce and critique differences of gender, race, sexuality, nationality, religion and physical ability. Schreiber, a University of Maine assistant professor of communication and journalism, developed the course as a project when she participated in UMaine’s Diversity Leadership Institute. Each year, a cohort of faculty and staff examines discrimination, racism, privilege, prejudice and stereotyping. Participants then seek to strengthen inclusivity and diversity on the Orono campus. “The U.S. is founded upon the advantages of diversity,” including freedom of religion and expression, says Schreiber, who explores comedy as a vehicle for embracing diversity and encouraging tolerance. When she was growing up, humor was a core family value. At Indiana University, where Schreiber earned a dual Ph.D. in American studies and comparative literature, she taught a course about stand-up comedy. Humor continues to help her make friends and create bonds. And she enjoys taking improv classes. In broad terms, humor is anything that people do or say that’s perceived to be funny. Merriam-Webster defines it as “that quality which appeals to a sense of the ludicrous or absurdly incongruous: a funny or amusing quality.” While humor is universal, what’s funny is in the mind of the beholder. Schreiber, who laughs easily and often, says humor is a powerful, sometimes complicated, tool. It can be used for good or evil — to make others feel happy or humiliated. “It’s a topic worthy of serious consideration,” she says. So students examine minstrel shows that started in the 1830s in the U.S. And they watch Chappelle’s 2000 show “Killin’ Them Softly,” in which he addresses differential treatment of black and white people by police. Chappelle’s humorous approach invites audience members with different backgrounds and beliefs to be open-minded and appreciate perspectives and experiences unlike their own, says Schreiber. There’s a debate about whether jokes — which can push boundaries — should be judged ethically. Because they involve power, Schreiber believes they should. Context is important. “When we deconstruct humor, we’re looking into important parts of the equation,” she says. “Who is creating or telling the joke, who is witnessing or hearing the joke, and who is the butt of the joke?” The course also examines people’s cognitive, emotional, behavioral and social responses to humor — from slapstick to satire. For students interested in learning about humor, and laughing some along the way, the course also will be offered during Session 6 (July 15—Aug. 2) of [Summer University](#). Contact: Beth Staples. 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## **Biddle receives funding to continue research on rural schools and community well-being**

**10 Jun 2019**

Catharine Biddle, assistant professor of educational leadership, is the recipient of nearly \$5,000 from the American Education Research Association (AERA) to continue her work with the Transforming Rural Experience in Education (TREE) program in Washington County. TREE — an initiative of the nonprofit Cobscook Community Learning Center — uses strengths-based, equitable, trauma-informed practices to support schools and communities in rural Maine. The heart of the program is a research-practice partnership that brings together school-based personnel and scholars from UMaine and Colby College to develop holistic wraparound services for children and families. Biddle facilitates the weekly partnership meetings and leads TREE’s evaluation efforts. The AERA grant will allow Biddle to travel to Washington County to conduct eight case studies of students and caretakers who receive TREE services. The case studies will help with development of a comprehensive program evaluation plan. In addition, Biddle will present her findings at AERA’s annual convention in 2020. She also hopes to publish research based on the interviews conducted with children, parents and educators, examining how to create trauma-informed programs in schools that serve diverse, rural populations. The grant is part of AERA’s Education Research Service Projects program, which encourages education researchers to donate their time to projects that meet community needs. A related story about Biddle’s research was the subject of a UMaine Today magazine [story](#). Contact: Casey Kelly, 207.581.3751

## **Media advance Extension food safety workshop**

**10 Jun 2019**

[Morning Ag Clips](#) and [Livermore Falls Advertiser](#) ran a University of Maine Cooperative Extension media release about its three-day Food and Drug Administration-recognized food safety certification workshop beginning June 26 in Bangor. More information is on the program [website](#) and June 19 is the online registration deadline.

## **Pen Bay Pilot, Republican Journal publicize fall registration at Hutchinson Center**

**10 Jun 2019**

[Pen Bay Pilot](#) and [Republican Journal](#) announced that registration is open for more than 300 fall undergraduate and graduate courses — both live and via distance education — at the University of Maine Hutchinson Center in Belfast. Need-based scholarships are available for new and continuing students. If interested, contact Nancy Bergerson, 338.8049, [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu).

## **Dill talks with News Center Maine about black fly season**

**10 Jun 2019**

Jim Dill told [News Center Maine](#) that Maine’s colder, longer winter has, in effect, concentrated the black fly season. The Cooperative Extension associate program administrator says all 40 or so species are out in force in heavily wooded areas and by the water, where they breed.

## **Dillard president cites hazing research in Times-Picayune column**

**10 Jun 2019**

Dillard University President Walter Kimbrough’s column in [The Times-Picayune](#) about ending hazing referenced a 2008 University of Maine study by Elizabeth Allan and Mary Madden that found 47 percent of students entering college had already experienced hazing. Kimbrough advocated creating a broad coalition in middle schools to provide intensive hazing education, “just like we are doing with bullying. Hazing is bullying’s close cousin.”

## BDN highlights Magic Lantern Innovation Lab and Learning Center

10 Jun 2019

The [Bangor Daily News](#) wrote about the Maine 4-H Foundation raising \$4 million to buy the Magic Lantern theater and pub in Bridgton to create the Magic Lantern Innovation Lab and Learning Center. University of Maine Cooperative Extension instructors will lead learning programs for youth ages 5–18 in the western Maine Lakes Region, according to the article. Courses will focus on engineering and science. Music and theater courses also will be offered, according to the article. “Maine 4-H has been engaged in experiential education pilot school programs for over 10 years and has successfully increased test scores, raised aspirations, increased attendance and engaged students in career-based learning,” said Susan Jennings, executive director of the Maine 4-H Foundation. To help pay for ongoing operations, the theater will continue to run its three movie screens and pub, according to the article. Half of the \$4 million needed to buy the theater has been pledged by nonprofit foundations, including the Stephen and Tabitha King Foundation, the Kendal C. and Anna Ham Charitable Foundation, the Maine 4-H Foundation and a major anonymous donor, according to the story. [The Bridgton News](#) also reported on the center.

## New York Times publishes Blackstone opinion column on addressing loneliness in old age

10 Jun 2019

Having children and investing time, love and money is no guarantee to avoiding loneliness in old age, wrote Amy Blackstone in her opinion piece titled “Grow Old Like ‘The Golden Girls’” in [The New York Times](#). “We are finally beginning to understand that just as it takes a village to raise a child, it takes a village to shepherd people through their golden years,” wrote Blackstone, whose first book “Childfree by Choice: The Movement Redefining Family and Creating a New Age of Independence” is being published June 11. Blackstone pointed out that while census data indicate about 85 percent of American women older than 50 have children, a [study by researchers](#) at the University of California, San Francisco found that 43 percent of older people feel lonely. “The Golden Girls” living arrangement, in which housemates share activities and expenses, reduces both loneliness and the cost of living, wrote Blackstone. Communal living “will continue to grow as the number of older people without children increases and as more aging adults discover the benefits of shared housing,” she wrote. “The loneliness of older people is a real problem, but it is solvable. The first step is to be much more creative about how we age.”

## Charlie and Ryan Gardner: Brothers two years apart graduate together

11 Jun 2019

Brothers Charlie and Ryan Gardner of Brewer, Maine are two years apart, and both graduated from the University of Maine in May — Ryan with a bachelor’s degree and Charlie with a master’s. The Gardner family has roots in the UMaine community. Ryan and Charlie’s father, Doug Gardner, is a professor of wood science. Their younger brother, Samuel, just completed his second year at UMaine in mechanical engineering. Ryan earned a bachelor’s in finance with a minor in economics, and was part of the Club Golf Team at UMaine. Charlie received his bachelor’s degree in civil engineering from UMaine in 2017. As an undergraduate, he was involved with the UMaine chapter of the American Society of Civil Engineers. As a graduate student, Charlie earned the Advanced Structures and Composites Center Director’s Award and now holds a master’s in civil engineering with a structural engineering focus. His thesis, “Effects of gaps in Cross-laminated timber (CLT) panels,” focused on structural and mechanical responses of the gaps in the panels, which are used primarily in floor, roof and wall systems. “It’s a relatively new concept here in the United States that’s been gaining popularity in residential and non-residential construction,” he says. “There’s great potential for Maine to become a major player in the CLT industry with our vast forest resources.” Though the two brothers were in different academic programs, they ended up taking an elective class together, Introduction to Canadian Studies, when Ryan was a sophomore and Charlie was a senior. Now that they’ve graduated, Ryan and Charlie are looking toward the next steps in their careers. Charlie plans to pursue a career in structural engineering, focused on mass timber or bridge engineering. Ryan hasn’t narrowed down a focus yet. “I’m excited for the opportunities that are in my future thanks to my degree,” he says. **When did you first realize you’d be graduating together? Or was that always the plan?** Ryan: We realized we would be graduating together once Charlie decided to pursue his master’s degree. Charlie: Ryan was two years below me and a master’s program typically takes two years to complete. **Why did you choose UMaine?** Ryan: Having grown up in Brewer and seeing that I had many friends also attending I felt that I would immediately feel right at home here. **Have you worked closely with a professor or mentor as part of your UMaine academic experience?** Ryan: During my time at UMaine I was fortunate enough to have the opportunity to have two instructors multiple times. I took three economic courses with Todd Gabe. I also took three business courses with Matt Skaves. These two made class enjoyable to attend every time, and I looked up to both of them. It was thanks to them that I felt confident that I enjoyed what I was studying at UMaine. I will always remember the humor Professor Gabe brought into the classroom. Charlie: I’ve been fortunate enough to work with some great people at the Advanced Structures and Composites Center over the years. My primary advisers, Bill Davids and Roberto Lopez-Anido, have always been there for me when I have questions, and trusted me to lead this research project that I’ve been working on. I also spent many summers during undergrad working for Josh Clapp, who I would say was a big reason for me coming to UMaine to study civil engineering in the first place. I also need to mention Ben Herzog, who over the last few years has also been somebody I’ve gone to for advice and is definitely someone I look up to. **What difference has UMaine made in your life?** Ryan: UMaine is where I grew into the person I am today. It was the first time not being around my parents every day. I made many new friends in the Maine Business School that will last well beyond my years at UMaine. I’m thankful for my instructors Matt Skaves and Todd Gabe that helped me develop my love of finance and economics. Charlie: I’ve made lifelong friends and connections during my time here. When I first started out in undergrad I was a pretty shy person, but over the years I’ve branched out and become more confident in myself. **What was essential to your academic success? Any advice for incoming students?** Charlie: I think it’s really important to surround yourself with like-minded people with the same goals. Especially in engineering, some concepts are pretty difficult to pick up, and it’s easy to get discouraged in the early years. So to have friends or people to do homework with and to work through these problems is extremely helpful. I know everybody also says this, but don’t be afraid to go to your professors for help. It’s literally their job to help you learn these things. Advice for incoming students is again to surround yourself with positive people. If you are shy, get out of your comfort zone, be the person that first says “hi” to people. Join clubs and other student activities to meet people. Have goals and crush them. Contact: Cleo Barker, 581.3729

## News Center Maine reports on UMaine students teaching Madison youth to fly drones, chart locations

11 Jun 2019

[News Center Maine](#) reported that University of Maine students helped Madison middle school youth learn to fly drones and use innovation to solve real-world problems. A Maine Department of Education EMBRACE (Enabling Maine students to Benefit from Regional and Coordinated approaches to Education) grant funds the SAD 59 STEAM (science, technology, engineering, art and mathematics) program. While flying drones, youth learned how to navigate and chart a course to a location, which can be used when fighting forest fires and rendering first aid. “[We] come out here with these students and work hands on with them to apply real-world applications of what they can use science and technology, along with engineering, arts and math [to do,]” said UMaine senior Brandon Dixon.

## AgrAbility, 4-H professionals talk with Tory Ryden on Positively Maine

11 Jun 2019

University of Maine 4-H and Maine AgrAbility professionals participated in the WGAN radio podcast [Positively Maine with Tory Ryden](#) to discuss the 4-H experience and Maine AgrAbility. They included Dick Brzozowski, food system program administrator with University of Maine Cooperative Extension and project director for Maine AgrAbility; Lisa Phelps, University of Maine Cooperative Extension interim director; and Sally Farrell, York County 4-H youth development professional.

## ABC News interviews Blackstone about child-free women

11 Jun 2019

[ABC News](#) interviewed Amy Blackstone, a professor of sociology at the University of Maine, for its story “Are child-free, single women really happier? An author’s claim sparks debate.” The story was in response to Paul Dolan’s book “Happy Ever After,” in which the London School of Economics professor of behavioral science asserted women without kids or a partner are the happiest people. Dolan later said that the “world is a complicated place and we like institutions and order and marriage gives us that order. If single women may not be as miserable as we think them to be, that calls into question the orders and we don’t like that being challenged.” Blackstone told ABC News that when she first sought data on child-free women, she found very little. “We need to pick this question up because we still don’t understand the lived experiences of women without children,” she said in the article. In her research, Blackstone distinguishes between women who choose to be child-free and women who want to have children but cannot. She has found that the stereotype that women who are child-free are selfish and self-involved is not true. “They opt to use their time being very involved in their communities and are more likely to organize an event rather than simply attend an event, for example.”

## The Conversation publishes Socolow piece about chilling effect on media

11 Jun 2019

[The Conversation](#) ran Michael Socolow’s piece “Investigating the investigative reporters: Bad news from Down Under,” that details the chilling effect that law enforcement can have on journalists. The University of Maine media historian noted the June 5 raid at the headquarters of the Australian Broadcasting Company, and referenced journalists who revealed American soldiers’ slaughter of Vietnamese civilians at My Lai, and the torture and abuse of prisoners at Abu Ghraib in Iraq. “Courageous journalism is critical to democracy, and its role in checking the power of state authority is essential,” wrote Socolow, currently a Fulbright Scholar at the News & Media Research Centre at the University of Canberra in Australia. If law enforcement can lodge doubt and instill fear in minds

of journalists and sources, or gets media to shy away from controversial stories, Socolow says the raids will have served their purpose. The chilling effect, he wrote, “can only be measured in the negative, when stories *aren’t* reported.” “That hesitation and uncertainty in the mind of every journalist and confidential source represents the real damage to democracy. But it’s something that will receive far less publicity than any police raid.” The [Houston Chronicle](#) also ran the piece.

#### **Fiddlehead Focus spotlights food preservation workshops in the County**

**12 Jun 2019**

The [Fiddlehead Focus](#) advanced the University of Maine Cooperative Extension food preservation workshops in July in Houlton, Madawaska and Presque Isle. For more information or to request a disability accommodation, contact Sharon Paradis at 834.3905, 1.800.287.1421, [sharon.paradis@maine.edu](mailto:sharon.paradis@maine.edu). Registration is [online](#).

#### **Pen Bay Pilot previews ‘From Behind the Wall 2.0’ exhibit in Belfast**

**12 Jun 2019**

[Penobscot Bay Pilot](#) promoted an exhibit of art created by inmates of the Maine State Prison in Warren that’s on display through Aug. 30 at the University of Maine Hutchinson Center in Belfast. The exhibit, “From Behind the Wall 2.0,” includes paintings, fine furniture and sculpture, including a life-size carving of a golden eagle. For more information, or to request a reasonable accommodation, contact Nancy Bergerson, 207.338.8049.

#### **Coach Vachon talks with WABI about youth hoop camps**

**12 Jun 2019**

Amy Vachon, coach of two-time defending America East champion University of Maine women’s basketball team, talked with [WABI](#) (channel 5) about three summer hoop camps for girls. Camp options include an overnight camp, day camp and one-day high school elite camp. For information and registration details for these camps, and all Black Bear sport camps, visit [goblackbears.com](http://goblackbears.com).

#### **Vice talks with Gill, Sandweiss about surviving climate crisis**

**12 Jun 2019**

[Vice](#) cited University of Maine scientists Jacquelyn Gill and Dan Sandweiss in its article “Actually Humans Probably Will Survive the Climate Crisis.” Vice referenced a March tweet by Gill: “With the fossil record, the Earth is literally teaching us how to get through this. That makes me want to roll up my sleeves.” The paleoecologist who scours the past for clues about survival and resilience says that in the fossil record some species were more adaptable than others in the face of climate change. “We can use this tremendous wealth of information that we have, and this tremendous ingenuity, and make really good evidence-based informed plans for how to move forward,” Gill told Vice. “We have the tools and the capacity to move forward. We just need the will.” Humans share traits with past survivors of mass extinctions — including adaptability, mobility and ability to modify environments. Learning from past periods in history could be helpful to implement solutions. Archeologist Sandweiss, who studies El Nino’s effects on Peru, said some innovations there arose as a response to climate change, which can be a prompt for societal growth. In coastal areas of Peru, for instance, complex societies with big monuments, hierarchical society leadership and irrigation canals often didn’t appear until after disruptive and catastrophic El Nino events, according to the article.

#### **Naglestad, Doak recognized for leadership on, off field**

**12 Jun 2019**

Student-athletes [Kenny Doak](#) and [Beate Naglestad](#) have been [selected for the America East Helping Hands Team](#) for assisting others and volunteering their own time to better their campuses and communities. A male and female student-athlete from each of the nine league institutions are recognized annually for their community service efforts. Doak is a kicker on the football team from Perkasio, Pennsylvania, and Naglestad is a forward on the soccer squad from Oppegard, Norway. For more news about Black Bear athletics, visit [goblackbears.com](http://goblackbears.com).

#### **UMaine researchers take part in National Geographic, Rolex Expedition to Mt. Everest**

**13 Jun 2019**

An international team of scientists, climbers and storytellers, led by the National Geographic Society and Tribhuvan University, and supported in partnership with Rolex, conducted a scientific expedition to Mount Everest, believed to be the most comprehensive single scientific expedition to the mountain in history. The multidisciplinary team installed the two highest weather stations in the world (at 8,430 meters and 7,945 meters), collected the highest-ever ice core (at 8,020 meters), conducted comprehensive biodiversity surveys at multiple elevations, completed the highest elevation helicopter-based lidar scan, expanded the elevation records for high-dwelling species and documented the history of the mountain’s glaciers. Six University of Maine scientists participated in [National Geographic’s Perpetual Planet Extreme Expedition to Everest](#). [Climate Change Institute](#) director [Paul Mayewski](#) was expedition leader and lead scientist for the project. Mayewski, who was participating in his fourth Everest excursion, is used to extremes. The world-renowned climate scientist and explorer has led nearly 60 climate science treks around the globe, including many in Antarctica. “This is a new window into the planet,” Mayewski told National Geographic. “We believe the best way to do science on Everest isn’t just to do one kind of science, but do many kinds of science.” Mayewski will take part in a livestream panel discussion titled [Fueling Earth’s Engines](#) with other Perpetual Planet Extreme Expedition leaders at 9:05 a.m. Thursday, June 13 in Washington, D.C. UMaine doctoral candidate [Mariusz Potocki](#) climbed nearly as high as jetliners fly to collect the world’s highest ice core on South Col. He used an off-the-shelf ice-coring instrument modified by the university’s [Advanced Manufacturing Center](#) to collect the core. UMaine’s laser technology that yields 10,000 samples per year in ice cores will provide details about the chemistry of the atmosphere above 8,000 meters. [caption id="attachment\_67605" align="aligncenter" width="825"]





The high-altitude expedition team drills the world's highest ice core sample at 8,020 meters above sea level during National Geographic

and Rolex's Perpetual Planet Extreme Expedition to Mt. Everest in spring 2019. Learn more at [www.natgeo.com/everest](http://www.natgeo.com/everest). [caption] UMaine Earth and climate sciences assistant professor [Aaron Putnam](#) led a geology team that included UMaine Ph.D. candidate Peter Strand, and Quaternary and climate science master's student Laura Mattas. And UMaine doctoral student Heather Clifford, who was stationed at base camp, collected snow, ice and stream water samples to analyze for persistent organic pollutants and microplastics. Studies have shown that the glaciers of the Hindu Kush–Himalaya, where Mt. Everest is located, are rapidly disappearing due to increasing global temperatures. The extreme conditions of high-elevation mountain ranges have made studying the true impacts of climate and environmental changes nearly impossible. As a result, there are critical knowledge gaps about the history of these glaciers, and about future impacts that their disappearance would have on the lives and livelihoods of the more than one billion people in the region who depend on the reliable flow of water these glaciers provide. With team members from eight countries, including 17 Nepali researchers, the expedition team conducted trailblazing research in five areas of science that are critical to understanding environmental changes and their impacts: biology, glaciology, meteorology, geology, and mapping. More in-depth information about the initial scientific findings and their significance is [here](#). The Everest expedition is part of National Geographic's newly established Life at the Extremes program, and is the first in a series of Perpetual Planet Extreme Expeditions that are supported by a renewed and expanded partnership between National Geographic and Rolex. The expeditions aim to explore and better understand some of the most extreme environments on planet Earth. Data collected from the Perpetual Planet Extreme Expeditions in these environments will support new decision-making tools, called Perpetual Planet Extreme Indices, which will provide real-time and historical data on the factors that contribute to the health of these ecosystems. Additionally, to underscore the urgency of the team's work, the scientific research conducted by the expedition team will be complemented by coverage in National Geographic's robust portfolio of media assets, including on NationalGeographic.com and in National Geographic magazine. "Climate change is one of the biggest challenges facing humanity and there is still much to learn about how it's already altered the world, from the deepest parts of the ocean to its tallest mountains," said Jonathan Baillie, executive vice president and chief scientist at the National Geographic Society. "By harnessing our 131-year history of exploration and venturing into some of the most extreme environments on the planet, we will fill critical data gaps on the world's life support systems and drive solutions to assure that they can continue to fuel our future." Follow updates from the Perpetual Planet Extreme Expedition: Everest and explore historical and new data about the role of Mount Everest as a water tower for the region at [www.natgeo.com/everest](http://www.natgeo.com/everest). For more on the Life at the Extremes program, visit [www.natgeo.org/extremes](http://www.natgeo.org/extremes). Contact: Fae Jencks, National Geographic Society, [fjencks@ngs.org](mailto:fjencks@ngs.org); Beth Staples, 207.404.0708

## FDA food safety certification training June 26–28

13 Jun 2019

University of Maine Cooperative Extension is offering a U.S. Food and Drug Administration-recognized food safety certification workshop beginning June 26, from 8 a.m.–5 p.m., at the UMaine Extension office in Bangor. The 20-hour workshop continues 8 a.m.–5 p.m. June 27 and 8 a.m.–noon June 28. Workshop topics include how to create an FDA-compliant food safety plan, how to conduct a hazard analysis, and guidelines for creating effective monitoring programs with corrective actions and required documentation. Participants who complete the training will be certified as a preventive controls qualified individual according to the [FDA preventive controls regulations](#). The fee is \$250 for Maine businesses, \$500 for out-of-state businesses, and includes meals and all training materials. Register online by June 19. For more information or to request a reasonable accommodation, contact Theresa Tilton, 207.942.7396, [theresa.tilton@maine.edu](mailto:theresa.tilton@maine.edu). More information is available on the [program website](#).

## WVII speaks with Biberstein about summer camps

13 Jun 2019

[WVII](#) (Channel 7) spoke with Will Biberstein, director of conferences and institutes at the University of Maine, for a report on youth camps that UMaine is hosting this summer. "I think everybody has different interests and what we're trying to do is provide opportunities for all interests out there," said Biberstein. Besides sports-focused camps, the university is offering camps with themes like engineering, science and art. The goal is to bring more youth to the UMaine campus, and provide a fun learning environment, according to Biberstein.

## President Ferrini-Mundy speaks at Presque Isle graduation, The County reports

13 Jun 2019

[The County](#) reported that University of Maine and University of Maine at Machias President Joan Ferrini-Mundy spoke at the graduation ceremony for Presque Isle High School on June 8. Ferrini-Mundy gave the keynote address, speaking of County values and encouraging graduates to strive toward Maine excellence, according to the report. She told the 139 graduating students to "be open to new adventures" and remain honest and accountable throughout their lives, noting that through perseverance and hard work, they can achieve all their goals.

## Doctoral candidate quoted in BDN article on Native American canoe discovery

13 Jun 2019

Anthony Sutton, a doctoral candidate in ecology and environmental sciences at the University of Maine, was quoted in a [Bangor Daily News](#) article about a Native American canoe dug out of the mud off Cape Porpoise. The canoe is estimated to be between 700 and 800 years old, and is the first pre-European contact dugout canoe ever found in Maine, according to the BDN. It's proof of a successful, semi-permanent Native American settlement in Cape Porpoise, and a reminder that American history stretches far back before European contact. Archaeologists working in the area believe Native Americans spent summers in Cape Porpoise and migrated south to what is now Massachusetts at the end of the season. Sutton, who also is Passamaquoddy and studies Wabanaki food and communities, agrees that the sheltered harbor behind the Cape Porpoise islands was probably a thriving seasonal indigenous settlement, the article states. "There are not many places along the eastern seaboard sheltered like that. The islands had hardwood trees as

well as fresh water,” said Sutton. [WGME](#) (Channel 13 in Portland) carried the BDN article.

## **BDN interviews Blais for article on regenerating environment through farms, gardens**

**13 Jun 2019**

The [Bangor Daily News](#) interviewed Joline Blais, an associate professor of new media at the University of Maine, for the article “How your farm or garden can be used to regenerate the environment.” Blais told the BDN that sustainability is “admirable,” but it’s not enough. “Instead of sustaining a status quo in an ecosystem, we have to start making it better. We have to interact with nature in a way that builds up the natural world,” said Blais, who also is the adviser for UMaine’s Terrell House Permaculture Living and Learning Center. “We have done so much destruction to this planet, sustainability is just not going to cut it anymore.” Practicing permaculture is designed to increase the human footprint on the planet, but in a way that enhances the natural world, the article states. “Instead of sustaining what we have, we need to be making it better. When humans interfere with nature in the right ways, it really helps the planet,” said Blais, who recommends actions like reforestation, rebuilding soil, growing food close to the people who will consume it and working to sustain those practices over the long term. Specifically, Blais suggests planting diverse gardens and crops and avoiding the agribusiness model, as well as using local and native seeds, creating a habitat for naturally occurring birds and wildlife, and more — including being willing to make mistakes and learn from nature. “Let’s have a large footprint that actually helps,” she said.

## **Wheelmobile to host “Wheel of Fortune” contestant tryouts at UMaine**

**14 Jun 2019**

The Wheelmobile, the promotional vehicle for the broadcast game show “Wheel of Fortune,” will visit the Collins Center for the Arts at the University of Maine in search of contestants. Open auditions will take place in the Hutchins Concert Hall at 5 p.m., 6:30 p.m. and 8 p.m. June 21 and 22. The Wheelmobile brings the fun and excitement of “Wheel of Fortune” to local fans. Attendees will have the opportunity to show off their personality and puzzle solving skills in front of “Wheel of Fortune” staff and be evaluated as contestants for the show’s upcoming 37th season. Those interested in auditioning will need to fill out an application to have their name drawn at random to try out onstage and play a sped-up round of the game. Everyone onstage will walk away with unique prizes. The promotions team will begin handing out applications in the lobby one hour before each show begins, and each show will last approximately one hour. Anyone who submits a completed application and is not called onstage can still be selected at random to be invited to a future final round of auditions when the show’s contestant producers return to the area. The event is free and open to all ages; however, only those 18 and over can submit an application. “Wheel of Fortune” airs weeknights at 7 p.m. on [WVII](#) (Channel 7). More information about the Wheelmobile is [online](#).

## **Hargest recent guest on ‘Maine Calling’**

**14 Jun 2019**

Pamela Hargest, a horticulture professional with University of Maine Cooperative Extension, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. The show’s focus was growing a garden, with topics including planting, pruning, weeding, whacking and more.

## **Lobster Institute statistic cited in media reports on blue lobster found in Cape Cod**

**14 Jun 2019**

[MassLive.com](#), [ABC7 News](#), [WNYW](#) (Channel 5 in New York City) and [The Kansas City Star](#) cited a statistic from the Lobster Institute at the University of Maine in a report on a blue lobster found at a seafood restaurant in Eastham, Massachusetts. The owner of the Cape Cod restaurant plans to either donate the lobster to an aquarium or release it back into the ocean, according to the reports. The chance of finding a blue lobster is one in 2 million, and “the coloration comes from a genetic defect that causes the lobster to produce an excessive amount of a particular protein,” according to the Lobster Institute.

## **Blackstone speaks with KCRW about childfree choice**

**14 Jun 2019**

Amy Blackstone, a professor of sociology at the University of Maine, spoke with [KCRW](#), a public radio station in Santa Monica, about the choice to be childfree and respecting family choices. Blackstone, whose book “Childfree by Choice: The Movement Redefining Family and Creating a New Age of Independence” was recently released, said girls are pushed very early in life toward becoming mothers. And she has turned to research that found the idea of maternal instinct is a cultural myth. “There’s very little scientific evidence to support the idea that it exists,” said Blackstone. “So I discovered A) there’s really nothing wrong with me that I’m not feeling the pull toward motherhood, and B) some women do feel that, but when they feel it, it’s more often a result of socialization rather than anything that’s going on instinctually for them.” Blackstone promotes the term “childfree” rather than “childless,” which implies a life without children is inferior or missing something, and said it ultimately is a personal choice. “If I have a cause, it is to promote the idea that we will all be better off when we come to understand and respect all people’s choices about family,” she said. [The Maine Edge](#) also published an interview with Blackstone.

## **WVII interviews Newsom, anthropology students about Down East dig**

**14 Jun 2019**

[WVII](#) (Channel 7) interviewed Bonnie Newsom, assistant professor of anthropology at the University of Maine, and UMaine anthropology students about the ongoing excavation of a site in Down East Maine. Newsom has been guiding the students for the past month as they dig for hours a day in search of objects that could hold clues to the past. “The items are one thing, but it’s the story and the family and the culture around those items that really helps us to understand Maine’s history, this part of Maine’s history,” said Newsom. “It just looks like shells of dirt, but it’s so much more than that, it’s so much more. It teaches us about their culture, what they eat, it even can tell us about what season they were living here,” said anthropology student Alicia Jacobson. “Seeing these things in person from the people that came before us is just an experience that you can’t get anywhere else or recreate. It’s just something that’s amazing, honestly,” said anthropology student Andrew Smith. “We aren’t here to just collect stuff and look at stuff and be like, ‘Put it in the museum, this is mine.’ It’s doing it for the people that were here and the people that still are here. The Passamaquoddy, the Wabanaki, and the Penobscot, all those tribes that are still here, these are their relatives’ artifacts,” said Dylan Smith, an anthropology student. And for Native American archaeologists, the work can further connect them with their heritage, according to the report. “The more we can learn, the more we can know about those who came before us and that is probably one of the most important things you can do in your life,” said Sage Neptune, anthropology student and member of the Penobscot Nation. “To know where you came from, to know who you are deep inside.”

## **UMaine students participate in seventh season of coastal archaeological fieldwork**

**14 Jun 2019**

University of Maine anthropology students are spending four weeks in an archaeology field school in the Machias Bay area, directed by assistant professor of anthropology Bonnie Newsom. This is UMaine’s seventh season of coastal archaeological fieldwork in the region. In the field school, funded by the Maine Academic Prominence Initiative (MAPI) grant, students are immersed in experiential learning that blends archaeological fieldwork with cross-cultural community engagement. Students learn archaeological science techniques centered on systematic data collection from a site that spans roughly 3,000 years of Maine’s pre-and post-contact history. The fieldwork centers on one of Maine’s most fragile shell midden sites — an area of discarded shells that also contains both material remains of past peoples and long-term paleoenvironmental data. The shells act to preserve existing organic materials (animal bone, textiles, wood, plants, seeds, etc.), which otherwise would not be preserved due to the acidic nature of Maine’s soil. These organics help archaeologists examine the cultural context and the environmental aspects to learn what they can tell us about humans and climate change, including whether the climate was different throughout the occupation of the site. Students are actively contributing to the preservation of irreplaceable data from the site that is threatened by severe erosion. The site is an important cultural space to the Passamaquoddy people. Since its inception, the UMaine field school has been conducted in cooperation with the Passamaquoddy Tribal Historic Preservation Office. Professor Newsom directs the excavation through an Indigenous Archaeologies perspective, seeking to engage and empower the Passamaquoddy People in the preservation of their heritage. As part of this summer’s field school, the students are working on a community service project with Passamaquoddy Tribal members to assist with their language preservation efforts. Contact: Margaret Nagle, 207.581.3745

## **Gulf of Maine temperature changes during the past 11,000 years the focus of a new UMaine study**

**17 Jun 2019**

Gulf of Maine temperature trends and variability during the past 11,000 years will be the focus of a five-year study led by a University of Maine paleo-oceanographer to enhance long-term environmental prediction and planning. Katherine Allen, a UMaine assistant

professor in the School of Earth and Climate Sciences, and the Climate Change Institute, has received a more than \$584,000 National Science Foundation CAREER Award to study Gulf temperatures from the early Holocene to the present. The award follows an NSF-funded collaborative research project led by Allen in 2016 that focused on Pacific Ocean stratification since the last ice age. [caption id="attachment\_68017" align="alignright" width="475"]



These planktonic foraminifera shells of the species *Neoglobobulimina inconstans* from the Gulf of Maine are about 5,000 years old and about the size of a grain of sand. Recent research has confirmed that the Gulf of Maine has warmed faster than most of the world's oceans, but the processes driving those temperature changes are not fully understood. A long-term perspective on the Gulf's temperature trends and variability — beyond a century of historical records — has the potential to shed light on past causes, abrupt changes and resulting environmental impacts. [caption] “We aim to provide longer-term context for the recent warming observed in the Gulf of Maine,” says Allen. “The work will provide a new perspective on how conditions here are linked to processes in the greater North Atlantic on long timescales. Because the Gulf is so sensitive to changes in circulation, it's a great place to investigate past changes in the ocean-climate system.” Allen will lead a multidisciplinary team of researchers and Native American students from New England on a 10-day expedition in the Gulf of Maine to collect plankton and to core ancient marine sediments. Ancient marine sediments are a rich archive of the habitat in which they were deposited. In her research, Allen analyzes the chemical composition of marine microfossils — shells — that have accumulated on the sea floor for thousands of years to understand past ocean chemistry and biology. Whole shell geochemical analysis will be conducted on populations of foraminifera, single-celled organisms found throughout the fossil record. One planktonic species, *Neoglobobulimina inconstans*, is of particular interest in the study long-term temperature change in the Gulf of Maine and other high- and mid-latitude regions. In addition, materials from coastal archaeological sites will be radiocarbon-dated to refine the chronology of regional fishing practices. A focus will be to test a hypothesis regarding the beginning and end of intensive swordfishing in the Gulf of Maine, specifically the idea that swordfishing ended when sea-surface temperatures cooled below a certain threshold, causing the species to leave the area. At the heart of the project is a close partnership with UMaine's Wabanaki Youth in Science (WaYS) program, which will help build a team of high school, undergraduate and graduate students. Their mentors will include Bonnie Newsom, an assistant professor of anthropology, who will co-lead some students in archaeology and help them communicate with diverse audiences. The student team also will work with Huijie Xue, a professor of marine sciences, who will provide guidance on the fundamentals of ocean modeling. Throughout the project, students will collaborate with UMaine's New Media Program to develop communication skills and ultimately share their research findings and experiences online, and in schools. Contact: Margaret Nagle, 207.581.3745

#### Ellsworth American previews State of the Science Conference in Machias

17 Jun 2019

[The Ellsworth American](#) reported the Eastern Maine Coastal Current Collaborative, or EM3C, will host a State of the Science Conference at the University of Maine at Machias on June 17 and 18. The conference will discuss ecosystem-based fisheries management in eastern Maine and will bring together experts from local governments, fishing, science and academic communities, according to the article. It is the first step toward producing a comprehensive understanding of the region's watersheds, intertidal, nearshore and offshore ecosystems, including their governance and socioeconomic factors, the article states. [Maine Public](#) and [WVUU](#) (Channel 7) also reported on the conference.

#### Psychological Services Center expertise tapped in murder trial, News Center Maine reports

17 Jun 2019

[News Center Maine](#) reported on testimony of psychologists at the murder trial of John Williams, who is accused of killing Somerset County Deputy Eugene Cole in Norridgewock in April of last year. Expertise of the University of Maine's Psychological Services Center, directed by April O'Grady, was tapped in the trial, according to the report. The center is an outpatient clinic that provides high-quality psychological services to the people of central Maine. It serves as the primary site for an American Psychological Association-accredited doctoral training program in clinical psychology at UMaine.

#### Aroostook Valley Baby Beef Club featured on WAGM

17 Jun 2019

[WAGM](#) (Channel 8 in Presque Isle) reported on the Aroostook Valley Baby Beef Club, offered through the University of Maine Cooperative Extension 4-H program. Participants of the program learn first-hand where meals originate, and they spend hours raising steers destined for market, according to the report. It's a big time investment for youth, ranging from 10-year-olds to seniors in high school, WAGM reported. Feeding, grooming and otherwise caring for animals teaches youth responsibility, which club co-leader Troy McCrum said applies to all areas of farming. He said in Aroostook County, all aspects of agriculture are connected in some way. Beef producers rely on rotational crops to feed their animals, providing a market for hay and grain, the report states. McCrum added the program involves so much more than raising livestock. It helps build character, teaches responsibility and provides a learning experience not available in a classroom.

#### Vogt to conduct Blue Hill Bach rehearsals, Ellsworth American reports

17 Jun 2019

[The Ellsworth American](#) reported on Blue Hill Bach, a free vocal and choral training program for young people in grades 8 through 12. Participants began working June 10 with voice teachers and conductors on a weekly basis to learn four-part chorales from Johann Sebastian Bach's "St. John Passion," according to the report. The works will be performed as part of the annual Blue Hill Bach Festival in July. Francis John Vogt, director of choral programs at the University of Maine, will conduct rehearsals, the article states.

#### Peronto, UMaine Extension cited in Maine Homes article on gardening

17 Jun 2019

[Maine Homes](#) by Down East magazine spoke with Marjorie Peronto, a University of Maine Cooperative Extension educator in Hancock County, for an article about gardening in Maine. "Our growing season is limited — that's the biggest challenge," said Peronto, co-author of "The New England Gardener's Year" and "The Life in Your Garden." "So you enjoy it while you can, and if you plan appropriately, you can have a great garden." Maine soils tend to be acidic, which is preferred by plants such as heathers, hydrangeas and rhododendrons, but most do better in a more neutral environment, according to the article, which pointed to an \$18 [soil test](#), offered at UMaine. "I think a soil test is like a blood test," Peronto said. "If you don't do one, you don't know what you're working with." Gardening with wildlife is a fact of life in Maine, and it comes with its own set of problems, the article states. "We have a fence around our vegetable garden, we have a dog, and we still have deer," Peronto said. "I don't really mind. They're beautiful, and they're not devastating my plants. My philosophy is, try to live with the creatures around us." The article also referred to UMaine Extension's [list](#) of Maine native plants and shrubs, as well as invasive species.

#### Team including UMaine researchers install Mount Everest weather station, media report

17 Jun 2019

[National Geographic](#), [The Weather Channel](#), [Fox News](#), [Hindustan Times](#) and [Science Alert](#) reported on the installation of the world's highest weather station in Mount Everest's "death zone." An international team of scientists, including six from the University of Maine, and mountain climbers joined National Geographic to install the two highest weather stations in the world, at 27,657 feet and 26,066 feet, respectively, collecting the highest-ever ice core and expanding elevation records for high-dwelling species, Fox News reported. The stations will provide real-time data from the death zone as well as the first, direct observations of the jet stream, allowing researchers to better understand how climate change is impacting the Himalayan mountains, according to the report. The two weather stations will gather data on temperature, wind speed and more, which anyone will be able to view in real time, according to National Geographic. The high-altitude view of the weather could help make forecasting more accurate in the region and perhaps even worldwide. "This is a new window into the planet," Paul Mayewski, director of UMaine's Climate Change Institute and the expedition's scientific leader, told National Geographic. The expedition team had members from eight countries who conducted research in a range of areas, including biology, glaciology and meteorology. Other UMaine researchers on the expedition led by the National Geographic Society and Tribhuvan University, and supported in partnership with Rolex, were doctoral candidate Mariusz Potocki, Earth and climate sciences assistant professor Aaron Putnam, Ph.D. candidate Peter Strand, master's student Laura Mattas and doctoral student Heather Clifford.

#### **Pfeiffer Foundation makes \$1.5 million gift to new UMaine engineering building**

17 Jun 2019

A \$1.5 million gift has been received from the Gustavus and Louise Pfeiffer Research Foundation to help construct the University of Maine Engineering Education and Design Center (EEDC), according to University of Maine Foundation President/CEO Jeffery Mills. The gift brings the total amount raised in support of the new facility to \$66 million. "We appreciate the leadership and vision of the Gustavus and Louise Pfeiffer Research Foundation, and its generosity," says Joan Ferrini-Mundy, president of the University of Maine and University of Maine at Machias. "The Engineering Education and Design Center will transform engineering education at the university and in the state, fostering a collaborative community of learners — students, faculty, alumni, employers, and academic, research and industry partners." EEDC will house the Biomedical Engineering Program and Department of Mechanical Engineering, and provide space for all UMaine engineering majors to complete their capstone projects. This gift will name a space within the center. Groundbreaking for the center is planned in early 2020, with anticipated completion in 2022. "The Pfeiffer Research Foundation's investment will provide world-class laboratories to support the pioneering research my colleagues and I do at the University of Maine," says Karissa Tilbury, UMaine assistant professor of biomedical engineering. "The opening of EEDC in fall 2022 will serve as a beacon for biomedical engineering education and innovations in the state of Maine and beyond." Established in 1942, the Gustavus and Louise Pfeiffer Research Foundation supports the advancement and promotion of medicine and pharmacy. "The Gustavus and Louise Pfeiffer Research Foundation is both proud and excited to support the EEDC project at UMaine," says Kimberly Herold Alvarez, president of the Gustavus and Louise Pfeiffer Research Foundation. "As the EEDC project is the highest capital priority for UMaine's Vision for Tomorrow campaign, it is especially gratifying to be a part of this essential facility. Knowing that the new EEDC will be fostering and advancing engineering students, faculty, alumni and others is a wonderful achievement for UMaine. The Pfeiffer Foundation is honored to be partnered with UMaine in this project." Fundraising for the estimated \$75 million to \$77 million EEDC continues, including opportunities to name spaces in the facility. More information is available on the University of Maine Foundation [website](#). The EEDC project is part of UMaine's current \$200 million Vision for Tomorrow comprehensive campaign, led by the University of Maine Foundation. Contact: Monique Hashey, 207.974.9899; monique@maine.edu

#### **UMaine community members invited to Bangor Pride parade, festival**

18 Jun 2019

The Division of Student Life, the Wilde Stein Queer-Straight Alliance and the Office of Human Resources invite all members of the University of Maine community, including students, staff, faculty, alumni, and friends and family to join them as they march in the 2019 Bangor Pride parade on June 22. Lineup will begin at 11 a.m. on Front Street in Bangor, near Sea Dog Brewing Co. The parade is scheduled to begin at noon and will wind its way through the streets of downtown Bangor. Those who plan to join are asked to dress in rainbow or UMaine colors. After the parade, attendees are encouraged to check out the Bangor Pride festival 1–4 p.m., featuring music, food and vendors from around the state. For more information, contact Rob Jackson at 581.9517; [robert.jackson@maine.edu](mailto:robert.jackson@maine.edu).

#### **UMaine awarded \$1M to help revitalize state's forest economy**

18 Jun 2019

The University of Maine has been awarded \$1 million from the Northern Border Regional Commission (NBRC) to build a demonstration scale nanocellulose plant that will advance next generation bio-based products. U.S. Sens. Susan Collins and Angus King announced the NBRC will award \$1,250,000 in grants to UMaine and the town of East Millinocket. Both projects will strengthen Maine's forest economy and create jobs in rural Maine by increasing production of advanced bio-based products and support the purchasing of a former mill site in East Millinocket. "This substantial investment in Maine's forest economy will help those who have relied on this crucial sector for generations," Collins and King said in a joint statement. "As our state continues its leadership in developing new sustainable bio-based technologies that create jobs, these awards will bolster efforts by UMaine and the town of East Millinocket to open more opportunities in rural communities. We are thrilled to see Maine's forests remain a vital part of our culture and economy." The full news release is [online](#).

#### **WGME cites UMaine Extension resources for report on growing strawberries**

18 Jun 2019

[WGME](#) (Channel 13 in Portland) reported on Maine's strawberry growing forecast. Late June is when the strawberry harvest typically begins, according to the report. Bill Bamford, co-owner of Maxwell's Farm in Cape Elizabeth, spoke with WGME about his farm's primary crop. He and his crew manage more than 10 acres of strawberries, according to the report. For beginners, he said to start with just a few strawberry plants. Place them in a bright, sunny spot with space between them, and keep weeds out. For additional help for beginner growers, Bamford suggested exploring the [resources](#) offered by the University of Maine Cooperative Extension.

#### **Blackstone writes BDN op-ed on reproductive freedom**

18 Jun 2019

Amy Blackstone, a professor in the Department of Sociology and the Margaret Chase Smith Policy Center at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled, "Maine leads on reproductive freedom." Blackstone is a member of the of the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members' columns appear in the BDN every other week.

#### **BDN, Ellsworth American report mountain bike trail named after civil engineering capstone**

18 Jun 2019

[Bangor Daily News](#) and [The Ellsworth American](#) reported on construction of Hancock County's first significant mountain bike trail. The Capstone Trail is part of an eventual 3.6-mile trail that will climb Great Pond Mountain in the Great Pond Mountain Conservation Trust's 4,500-acre Wildlands in Orland, said Landon Fake, the trust's executive director. The Penobscot Region of the New England Mountain Bike Association has been collaborating with the land trust for two years on trail development and this spring secured more than \$20,000 in funding, according to the articles. Fake said the trail name references a capstone project that several University of Maine civil engineering students completed in 2016 in the form of a design and proposal to the land trust for a trail network. "We dug up that 121-page report and decided to use it for our conceptual trail system," said Craig MacDonald, president of the regional mountain bike association. UMaine alumni Avery Mornis and Lucas Wardwell, two of the proposal's authors, heard about the association's project and decided to help, Fake said. Wardwell, whose family lives in Orland, did much of the first layout and hand work. Mornis, who works for a trail construction company in Vermont, agreed to get time off to run an excavator on the project for a couple of weeks, the articles state.

#### **Archive of Maine Campus newspaper now available online**

18 Jun 2019

More than 5,000 issues of the University of Maine's student-run newspaper, the Maine Campus, are now available online. Patrons can search the 130-year archive and download complete issues from anywhere in the world through Digital Commons at UMaine, an online repository managed by Raymond H. Fogler Library. The online archive is the result of a digitization project by the Special Collections Department at Fogler Library. With digitization complete, the text of every issue is now searchable, allowing patrons to quickly locate topics, authors, headlines or other keywords. "The Maine Campus is a valuable resource for the university and the state," says Richard Hollinger, head of Special Collections at Fogler Library. "Digitizing the archive has already had an impact on researchers, alumni and the general public." Launched in the late 1800s, the Maine Campus remains one of the oldest continuously operating newspapers in the state. Through Digital Commons, patrons can read complete issues dating to August 1885. Stories in the



archive span a diverse range of topics, from local events to coverage of national issues. The variety of stories and time periods represented in the archive provide a valuable resource for anyone studying history in the region. Individual issues of the newspaper also reflect broad social and cultural issues affecting the country. To view the Maine Campus archive, visit [digitalcommons.library.umaine.edu/mainecampus](https://digitalcommons.library.umaine.edu/mainecampus). The digitization of the Maine Campus was funded through the generous gift of the Paul R. and Polly N. Camp Quasi-Endowment Fund for the Fogler Library.

### **New evidence shows rapid response in the West Greenland landscape to Arctic climate shifts**

**18 Jun 2019**

New evidence shows that Arctic ecosystems undergo rapid, strong and pervasive environmental changes in response to climate shifts, even those of moderate magnitude, according to an international research team led by the University of Maine. Links between abrupt climate change and environmental response have long been considered delayed or dampened by internal ecosystem dynamics, or only strong in large magnitude climate shifts. The research team, led by Jasmine Saros, associate director of the UMaine Climate Change Institute, found evidence of a “surprisingly tight coupling” of environmental responses in an Arctic ecosystem experiencing rapid climate change. Using more than 40 years of weather data and paleoecological reconstructions, the 20-member team quantified rapid environmental responses to recent abrupt climate change in West Greenland. They found that after 1994, mean June air temperatures were 2.2 degrees C higher and mean winter precipitation doubled to 40 millimeters. Since 2006, mean July air temperatures shifted 1.1 degree C higher. The “nearly synchronous” environmental response to those high-latitude abrupt climate shifts included increased ice sheet discharge and dust, and advanced plant phenology. In lakes, there was earlier ice-out and greater diversity of algal functional traits. The new evidence underscores the highly responsive nature of Arctic ecosystems to abrupt transitions — and the strength of climate forcing, according to the team, which published its findings in the journal *Environmental Research Letters*. Understanding how ecosystems respond to abrupt climate change is central to predicting and managing potentially disruptive environmental shifts, says Saros, one of seven UMaine professors who have been conducting research in the Arctic in recent years. “We present evidence that climate shifts of even moderate magnitude can rapidly force strong, pervasive environmental changes across a high-latitude system,” says Saros. “Prior research on ecological response to abrupt climate change suggested delayed or dampened ecosystem responses. In the Arctic, however, we found that nonlinear environmental responses occurred with or shortly after documented climate shifts in 1994 and 2006.” Saros co-leads the international working group, the Kangerlussuaq International Research Network (KaIRN), that focuses on recent climate-driven environmental changes in the West Greenland ice sheet, and terrestrial and aquatic ecosystems. The working group also includes three additional members of UMaine’s Climate Change Institute: doctoral students Rachel Fowler and Ben Burpee, and assistant research professor Robert Northington. Contact: Margaret Nagle, 207.581.3745

### **Barkan honored with President's Award**

**18 Jun 2019**

Professor of sociology Steven Barkan received the President's Award at the annual conference of the Textbook and Academic Authors Association in June in Philadelphia.

### **Mind over matter: Study looks at how personality of a mouse may affect the structure of a forest**

**18 Jun 2019**

Preserving a range of different personality types within small mammal populations is critical for maintaining the key ecosystem function of seed dispersal, according to University of Maine researchers. Understanding how variation among individual seed-dispersing animals and whether land-use change interferes with the process is the focus of a recent study led by Allison Brehm, a Ph.D. student in wildlife ecology, and Alessio Mortelliti, an assistant professor of wildlife habitat ecology. The study shows for the first time how a small mammal’s personality is fundamental to the plant communities within its territory, according to Mortelliti. “Our findings are very exciting as we show that the boldness, timidity or anxiety of a mouse or a vole affects the way they interact with a seed and this, in turn, will affect the chances of the seed surviving,” Mortelliti says. “Essentially our study demonstrates that the mind of a mouse could potentially affect the whole structure of a forest.” Small mammals exist to disperse seeds, according to Mortelliti. “That’s their job in the ecosystem,” he says. “The whole life of a plant is about trying to use the service of rodents as much as possible.” What an animal decides to do when it encounters a seed links back to personality, according to Mortelliti. Personality, Brehm says, refers to individual-level differences in behavior that are consistent over time. “In the same way that we, as humans, have personalities, so do animals such as mice and voles,” Brehm says. Through a large-scale field experiment conducted on mice, voles and shrews in forests manipulated with three different silvicultural treatments, the team found an individual’s personality affects its choice of seeds, as well as how far and where they store them. The team used three standardized tests and behavioral tracking software to measure personality in 648 free-ranging individuals from three species. Traits measured included anxiety, which was determined by time spent grooming; docility, based on their response to being handled; and timidity/boldness, observed by how long they spent exploring versus staying put. In a seed predation experiment, the team then observed interactions with seeds and assessed whether personality traits influenced decisions including seed selection, or seed mass preference; the distance a seed is moved; cache site, such as whether a seed is stored next to a fallen log, the base of a tree or under leaf litter; and the probability of consuming a seed. The researchers also assessed personality types present in the three different forest treatments to determine whether human-made habitat changes shift the distribution of personality traits and influence seed dispersal. The study found that personality traits in scatter-hoarding small mammals influence critical stages of seed dispersal since certain personality types are more likely to select larger seeds, cache them in optimal germination sites or disperse them farther away from the tree they originated from. The distance of seed dispersal was affected by anxiety in mice and boldness in voles. Bold voles tended to disperse seeds farther than more timid ones. The probability of consuming a seed was influenced by activity levels in mice with more active mice tending to consume the seeds, thus killing a potential plant. The docility of a vole affected the caching site, with more docile voles storing seeds in locations that are optimal for germination such as close to a fallen log. The researchers also found that habitat modifications change the distribution of personalities within a population by increasing the amount of bold, active and anxious individuals. This shift may affect the survival and dispersal of seeds, which could lead to cascading effects on ecosystems by modifying the structure and composition of forests. This study indicates a need to promote the diversity of behaviors within populations as a target for the conservation of ecosystems, according to the researchers. “The diversity of personalities in a population is critical to maintain the functioning of ecosystems, and we need to promote this diversity and better understand how to maintain it,” Brehm says. “Land-use change and the ecological consequences of personality in small mammals” was published in the journal *Ecology Letters*. Other co-authors include George Maynard, who recently earned a Ph.D. in Wildlife Ecology from UMaine; and Joseph Zydlewski, an assistant unit leader with the Maine Cooperative Fish and Wildlife Research Unit. Funding for the research came from the United States Department of Agriculture’s National Institute of Food and Agriculture McIntire-Stennis projects through the Maine Agricultural and Forest Experiment Station and the American Society of Mammalogists. Additional support came from the Penobscot Experimental Forest research funds. A UMaine Today article on related research is [online](#). Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

### **Photojournalist to discuss connection between people, water at DMC**

**19 Jun 2019**



[caption id="attachment\_68322" align="alignright" width="223"] Jenny Adler/caption Conservation photographer and marine biologist Jenny Adler will deliver a free brown bag lunch seminar at noon Tuesday, June 25 in the library classroom at Darling Marine Center in Walpole. The Florida-based freelance photojournalist has traveled the world to capture the connection between people and water in a changing climate. “Science Storytelling: Communicating Science Through Imagery?” is the title of her talk. Adler’s scientific background informs her underwater photography. She earned a degree in marine biology at Brown University and a Ph.D. in interdisciplinary ecology at the University of Florida. To request a reasonable accommodation, call Linda Healy at 207.563.8220.

## **‘Wheel of Fortune’ tryouts to be held at UMaine, media report**

**19 Jun 2019**

[The Maine Edge, Sun Journal](#) and [WVII](#) (Channel 7) reported the Wheelmobile, the promotional vehicle for the game show “Wheel of Fortune,” will visit the Collins Center for the Arts at the University of Maine in search of contestants. Open auditions will take place in the Hutchins Concert Hall at 5 p.m., 6:30 p.m. and 8 p.m. June 21 and 22. Attendees will have the opportunity to show off their personality and puzzle-solving skills in front of “Wheel of Fortune” staff and be evaluated as contestants for the show’s upcoming 37th season.

## **UMaine Extension beekeeping course mentioned in West End News column**

**19 Jun 2019**

A five-week beginner bee school offered by University of Maine Cooperative Extension and the Maine State Beekeepers Association was mentioned in a [West End News](#) column about native Maine plants, birds and bees. The school is offered annually in southern Maine at the beginning of the year. The course is a great opportunity for new beekeepers or as a refresher course, the article states.

## **Maine Edge, Working Waterfront report on Gulf of Maine temperature change study**

**19 Jun 2019**

[The Maine Edge](#) and Island Institute's [The Working Waterfront](#) published a University of Maine news release about a new five-year study that will focus on Gulf of Maine temperature trends and variability during the past 11,000 years. The study, led by Katherine Allen, a UMaine assistant professor in the School of Earth and Climate Sciences and the Climate Change Institute, aims to enhance long-term environmental prediction and planning. Allen has received a more than \$584,000 National Science Foundation CAREER Award to study Gulf temperatures from the early Holocene to the present. The award follows an NSF-funded collaborative research project led by Allen in 2016 that focused on Pacific Ocean stratification since the last ice age.

## **BDN cites Aquaculture Research Institute report in article on proposed fish farms**

**19 Jun 2019**

The [Bangor Daily News](#) cited the 2017 [Maine Aquaculture Economic Impact Report](#) published by the University of Maine Aquaculture Research Institute in an article about proposed fish farms. Ohad Maiman of Kingfish Zeeland in the Netherlands told the BDN he would like to build a land-based yellowtail fish farm somewhere in Maine, but the relentless opposition that some have shown to Nordic Aquafarms’ proposed Belfast salmon farm has made him proceed with caution. Belfast’s experience with fish farm opponents is gaining the midcoast city and, to some degree, the entire state of Maine a reputation among aquaculture professionals, according to Maiman. He said the Belfast situation could throw cold water on the state’s ability to play an important role in the growing industry. According to the 2017 ARI report, aquaculture is the fastest-growing food production sector in the world, gaining 6.2 percent annually between 2000 and 2012, the article states. [Maine Public](#) carried the BDN report.

## **Eason quoted in Journal Tribune report of Scarborough students’ high-altitude balloon launch**

**19 Jun 2019**

[Journal Tribune](#) reported on a high-altitude balloon launch by students at Scarborough Middle School. The project, which gave students the chance to learn about space and the atmosphere, was carried out in collaboration with the University of Maine’s High Altitude Ballooning (HAB) program. With funding from the Maine Space Grant Consortium, the program has worked with K–12 classes across the state since 2011, according to the article. Richard Eason, a professor of electrical and computer engineering and organizer of the HAB program, assisted with the launch. Every year he works with schools to have their own high-altitude experiment, the article states. “It will get up to 110,000 or 120,000 feet, going at about a thousand feet per minute,” Eason said on the day of the launch. “Then it will pop, and it will come down by parachute. It will be in the air for about two and a half hours.” He added that they sometimes go to great lengths to chase down a balloon. The maximum altitude of the Scarborough students’ balloon was 120,794 feet, and its flight time was 2 hours and 54 minutes. It also traveled 128 miles and reached a maximum speed of 114 miles per hour, Journal Tribune reported.

## **Mainebiz, Penobscot Times report UMaine, East Millinocket get \$1.25M for forest-industry development**

**19 Jun 2019**

[Mainebiz](#) and [The Penobscot Times](#) reported the federal government will award \$1.25 million in grants to support forest-industry development projects at the University of Maine and in East Millinocket. UMaine will receive \$1 million to build a demonstration-scale nanocellulose plant, and East Millinocket will get \$250,000 to support the acquisition of a former paper mill site, according to a news release from U.S. Sens. Susan Collins and Angus King. The grants are from the Northern Border Regional Commission, which funds infrastructure projects throughout northern and central Maine, as well as northern New York, New Hampshire and Vermont, according to the reports. Collins and King said the funded projects align with the recommendations of the Forest Opportunity Roadmap, an industry-led initiative unveiled last year that aims to diversify the state’s wood products businesses, attract investments, and develop greater economic prosperity for rural communities impacted by mill closures.

## **Jensen to lead hands-on science activities at Union library, VillageSoup reports**

**20 Jun 2019**

The Vose Library in Union is offering a variety of youth summer programs, [VillageSoup](#) reported. Fourth- through seventh-graders will have the opportunity to attend weekly hands-on science activities led by Kathryn Jensen, 4-H youth development professional with the University of Maine Cooperative Extension. Jensen will use the engineering design process to investigate the science of ocean water and confront real-world challenges 11 a.m. to noon Tuesdays starting July 9, according to the article. The program is limited to 10 participants.

## **BDN interviews Blackstone about child-free choice, latest book**

**20 Jun 2019**

The [Bangor Daily News](#) spoke with Amy Blackstone, a professor in the Department of Sociology and the Margaret Chase Smith Policy Center at the University of Maine, about her research on the decision to not have children. “Society has always assumed that all women innately want to have children,” Blackstone said. “That’s simply not true. And if it’s selfish, well, if choosing not to do something because you don’t want to is selfish, then many, many things are selfish.” Blackstone’s new book, “Childfree By Choice: The Movement Redefining Family & Creating a New Age of Independence,” is equal parts rigorous academic research and memoir, with often-humorous personal anecdotes interlaced with information gleaned from Blackstone’s more than 10 years of study, the article states. “I found that there was very little research that had been done, anywhere,” Blackstone said. “Despite the fact that there have always been people that have chosen not to have children. And as it turns out, it’s a choice more and more women are making today.”

## **VillageSoup, Penobscot Bay Pilot report Hutchinson Center to offer graduate literacy course**

**20 Jun 2019**

[VillageSoup](#) and [Penobscot Bay Pilot](#) reported the University of Maine Hutchinson Center in Belfast will offer a graduate literacy course this summer. Literacy in the Home, School and Community (ERL 590) will run 1–3:45 p.m. Mondays and Wednesdays June 24 through July 24. By using sociocultural and ecological perspectives, participants will examine the role that families and communities play in their children’s development as well as home-school connections that promote literacy, according to the article. Through readings, discussion and guest lectures, the course is designed to challenge conventional views of parent involvement and home-school relationships, the article states. The course is being led by Susan Bennett-Armistead, an associate professor of literacy who has held the Correll Professorship in Early Literacy at UMaine for five years.

## **Mainebiz reports on \$1.5M donation for new engineering building**

20 Jun 2019

[Mainebiz](#) reported the University of Maine has received a \$1.5 million gift to help build a planned engineering center, estimated to cost \$75 million. The donation from the Gustavus and Louise Pfeiffer Research Foundation will support construction of the Engineering Education and Design Center, which is expected to begin next year. The center will house the UMaine Biomedical Engineering Program and Department of Mechanical Engineering, and will include space named in acknowledgment of the gift, according to the article. “The Engineering Education and Design Center will transform engineering education at the university and in the state, fostering a collaborative community of learners — students, faculty, alumni, employers, and academic, research and industry partners,” said UMaine President Joan Ferrini-Mundy.

#### Lilley quoted in BDN article about where to successfully sell crops

20 Jun 2019

The [Bangor Daily News](#) spoke with Jason Lilley, a sustainable agriculture professional with the University of Maine Cooperative Extension, for the article, “Here is where you can go to successfully sell your crops.” Before deciding to sell your crops at a farm stand or farmers market, or to a farm-to-table restaurant or local supermarket, the article suggests becoming familiar with local regulations. “In order to sell produce, there’s really no regulatory hurdles in Maine as long as you’re bringing in less than \$25,000 in your sales,” Lilley said. “Even though small-scale producers aren’t subject to that regulation, it is still very important that they’re paying attention to that and they’re not selling produce that has manure on it.” Lilley and other experts agreed that local Cooperative Extensions are the best place to start for new farmers looking to navigate the various regulations in their area, the article states. Determining the best place to sell your crops depends on who you are and what you grow, the article states. “It definitely comes back to the grower’s personality and preferences and the amount of time they have available to put into [selling their crops],” Lilley said.

#### Tanglewood 4-H Camp mentioned in Outside column on today’s summer camps

20 Jun 2019

The University of Maine Cooperative Extension 4-H Camp and Learning Center at Tanglewood in Lincolnville was mentioned in the [Outside](#) magazine column, “We need summer camp more than ever before.” Today’s children grow up with little unstructured time, and their social and academic lives are built around digital devices and being online, the article states. Whether camp-life experiences come from a traditional outdoors camp or a STEM camp set in a similar environment, kids simply need more camp, the article argues. Tanglewood offers campers opportunities to learn crafts, archery and outdoors skills, as well as plenty of unstructured time spent playing in the woods and pools and rocks along the river, Outside reported.

#### Gov. Mills signs bill to advance UMaine offshore wind project, media report

20 Jun 2019

Gov. Janet Mills recently signed legislation directing the Public Utilities Commission to approve the contract for Maine Aqua Ventus, a first-of-its-kind wind project in the United States, the [Portland Press Herald](#) reported. “With the innovative work being done at the University of Maine, our state has the potential to lead the world in floating offshore wind development,” Mills said. “This long-overdue bill will move us in that direction.” The Maine Aqua Ventus project had been stalled at the PUC for more than a year, after the panel decided to reopen its power purchase contract, according to the article. The program is supported by \$39.9 million in grants from the U.S. Department of Energy. The pilot project seeks to deploy two UMaine-designed floating turbines off Monhegan Island, the article states. Testifying on the measure, Jake Ward, UMaine’s vice president of innovation and economic development, said the developers’ VoltturnUS technology is ready for full-scale demonstration and is “recognized as one of the leading floating platform technologies in the world,” [The Free Press](#) reported. [Mainebiz](#), [North American Windpower](#) and [Offshore Wind Journal](#) also reported on the bill and [Sun Journal](#) carried the Press Herald article.

#### Olivier to race for spot on Team USA

20 Jun 2019

When [James Olivier](#) runs the 800-meter at the USA Track & Field U20 Outdoor Championships, he’ll be striving for a spot on Team USA that will compete in the 2019 Pan American U20 Championships in Costa Rica. To qualify, the rising sophomore needs a time of 1:48.80 or better at the Ansin Sports Complex in Miramar, Florida. Olivier is seeded sixth in the field of 12. He set a UMaine indoor record (1:50.16) in the 800 as a first-year student in March at the IC4A Indoor Track & Field Championships. The Cony High School graduate runs at 4:24 p.m. June 22. The 800 final will be at 5:28 p.m. Sunday, June 23. To see the Augusta, Maine resident compete, watch the [USATE.TV](#) live webcast. For more news about Black Bear athletics, visit [goblackbears.com](#).

#### If you missed these achievements the first time, here’s a recap

21 Jun 2019

During the first six months of 2019, University of Maine faculty and students have contributed to knowledge and solutions — locally and worldwide. Here’s a review of some highlights, including dog biscuits made of green crabs and a comprehensive scientific expedition on Mount Everest. **January** [Food science majors to engage in active learning to prepare for industry demands](#) Boosting students’ math knowledge and problem-solving skills will benefit them in careers in which it’s important to understand safety relating to food recalls and traceability issues due to globalization. [Pathogen research could aid prediction, response to anthrax and other epidemic diseases](#) Anthrax, a naturally occurring pathogen that people have weaponized, has existed worldwide for a long time. Because it’s deadly among wildlife and can be transferred to humans, understanding its transmission and evolution is key. **February** [Botanists, with help from Thoreau, find climate change puts spring wildflowers in the shade](#) Trees track changing temperatures and leaf out earlier. Understory wildflowers, though, aren’t keeping up — which could mean less energy to produce flowers and seeds and result in declining wildflower populations. [Improving health care focus of partnerships with St. Joseph, UME, UMM, Dartmouth](#) Sensor technology could help physicians detect biomarkers associated with pancreatic cancer and help aging people avoid falls. [In Sweden, Waller shares in-depth knowledge of cold-water corals](#) Understanding whether corals under climate stress can fertilize and whether larvae can migrate through the water column could buoy effective marine management and conservation. [Sandra Caron selected 2019 Distinguished Maine Professor](#) The professor of family relations and human sexuality says “the belief that every human being must be genuinely respected and valued for what he or she is — a worthy person, who is in the process of becoming” is fundamental to her teaching. **March** [UMaine-led team discovers protein, lipid connection that could help lead to new influenza therapies](#) Sam Hess’ breakthrough could result in fighting the flu — which causes tens of thousands of deaths annually in the U.S. — even if the virus mutates and changes each year. [Role of food in politics, public life focus of research collaborative inspired by Margaret Chase Smith](#) The senator known for her Declaration of Conscience speech collected recipes with Maine ingredients to promote the state’s agricultural products. Researchers are exploring connections between her recipes and her private and political life, Maine food traditions, and the connection between food and politics. [Google award-winner Ghanavati seeks to better protect personal information of Android app users](#) Many apps dealing with personal information lack privacy policies or have inconsistencies. Sepideh Ghanavati’s first-of-its-kind approach leverages deep learning techniques to generate short privacy statements from code. [As climate continues to warm, study finds several barriers to northward tree migration](#) Extensive land development, invasive species and too many deer may make it difficult for tree migration to keep pace with climate change in the Northeast. [Maginnis awarded NIH grant to examine virus fatal in people with weakened immune systems](#) More than half the human population has an undetected virus in their kidneys. When a carrier of the human JC polyomavirus, or JCPyV, has a weakened immune system, the virus can migrate to the brain, where it becomes fatal. **April** [Townsend finds mice fed foods rich in omega-3 polyunsaturated fats sustain tissue damage](#) Since fish oil supplements (and tinned fish) in the study contained high levels of potentially harmful peroxidized lipids, a UMaine neurobiologist says health benefits gained by taking the supplements may be outweighed by risks. [Dog biscuits made with invasive green crabs pass the taste — and sniff — test](#) If business entrepreneurs make natural, nutritious green crab treats for dogs, people who earn their living on the sea and mudflats might be incentivized to harvest green crabs as bycatch to earn money. [Dimmel receives grant to study students’ perceptions of geometric diagrams in virtual reality environments](#) Geometry diagrams used to be small images on textbook pages. Virtual reality allows teachers and students to examine them at larger scales and in additional dimensions. [Gillon explores issues of race in the history of fraternity, sorority life](#) In the early 20th century, students of color at some colleges and universities formed their own fraternity and sorority groups in response to housing and academic discrimination. [Browntail moth outbreaks expected statewide this year](#) The pest, which defoliates trees, also is a serious public health nuisance. Eleanor Groden studies dynamics of the outbreak and potential management strategies. Her newest research focuses on the structure of the moth’s winter webs. [Science Channel showcases Gill’s pursuit of ‘Lost Beasts of the Ice Age’](#) Inside a permafrost cave in Siberia, woolly mammoth tusks protrude through glistening walls. A lion cub, dead for 30,000 or more years, looks like it’s napping. This window into the past could provide lessons about managing Earth’s largest animals. [Study finds changing dissolved organic carbon in Maine lakes key to maintaining drinking water quality](#) Frequent and extreme rainstorms contribute to short-term abrupt changes in the quantity and quality of lakes’ dissolved organic carbon — which contribute to higher levels of heavy metals and pollutants. Forty-five of Maine’s 6,000 lakes are sources of drinking water. **During** [abrupt warming, lobsters in acidic water have reduced heart function, fewer infection-fighting cells](#) The scientists’ findings are likened to people who are exposed to ocean acidification falling off a treadmill from exhaustion much sooner than those not exposed. [Patent issued to device with potential to detect early symptoms of Alzheimer’s, cognitive impairment](#) The fitted mattress sheet, to be used at home, has more than a dozen sensors that gather information about a person’s sleep-wake and respiratory patterns. **May** [New \\$20 million additive manufacturing initiative connects local economies with national lab, UMaine resources](#) Habib Dagher says the enterprise is like “putting together the NBA All-Star team” for massive 3D printing with wood, to include boat hull molds, shelters and wind blades. [UMaine earns STARS Silver sustainability rating](#) UMaine earned the rating, in part, for recycling and composting nearly half of its waste, having a Green Living and Learning dorm floor, and reducing water consumption by 20 percent per campus user. **Commun:** [History can inform ecologically and socially conscious conservation management](#) Ecologically and socially conscious ocean conservation management must take historical context into account, utilize expertise from diverse disciplines, and adapt when unanticipated challenges arise. [Genevieve McDonald — a lobster boat captain and legislator — to graduate with highest distinction](#) The 36-year-old Democratic legislator, lobster boat captain and mother of 1-year-old twins graduated *summa cum laude* with a Bachelor of University Studies and Maine Studies minor. [McDonough MacKenzie documents dramatic loss of native plants on MDI](#) Sixteen percent of plants documented in the late 1800s on Mount Desert Island are now extinct. Habitat loss, climate change, damage from deer, and pollution are likely culprits. **From coast to coast, companies team up to fund UMaine lobster research** Two seafood companies gave \$75,000 to fund Rick Wahle’s 2019 deepwater lobster settlement monitoring program. The data provides information about population dynamics of the vital fishery and insight into possible future trends. **June** [Two UMaine students, one alumna chosen as Fulbright Finalists](#) Emily Craig ’18, Eric Miller and Jesse Walters have

been offered grants for their research projects in Sri Lanka, Laos and Germany, respectively. The Fulbright program promotes international goodwill through the exchange of students in education, culture and science. [Coral detectives: Steneck, student team study reef health in Dominican Republic](#) Bob Steneck's unique course teaches students about marine science while helping the Dominican Republic monitor and manage its coral reefs. [For Schreiber, humor's a topic worthy of serious consideration](#) In the "Humor and Diversity in the U.S." course, students listen to Dave Chappelle's comedy routines and examine minstrel shows of the 1830s. Humor can highlight and reinforce differences of gender, race, sexuality, nationality, religion and physical ability. [UMaine researchers take part in National Geographic, Rolex Expedition to Mt. Everest](#) Six Climate Change Institute explorers participated in what's believed to be the most comprehensive single scientific expedition on Everest. Paul Mayewski directed the excursion, during which scientists installed the two highest weather stations on the planet and Ph.D. candidate Mario Potocki collected the world's highest ice core on South Col. [UMaine students participate in seventh season of coastal archaeological fieldwork](#) In the field school, students preserve irreplaceable data from a Down East site — an important cultural space to Passamaquoddy people — threatened by erosion.

#### 5-Minute Genius presentation by Giudice now online

21 Jun 2019

The Maine Science Festival has compiled a [2019 playlist](#) of its 5-Minute Genius presentations. This year, those presenters included Nicholas Giudice, University of Maine professor of spatial informatics and executive director of the VEMI Lab. His [presentation](#) was titled "Blinded by Vision: What the Brain Tells us About Technology Development."

#### Conway Daily Sun covers UMaine Extension 4-H June Jamboree

21 Jun 2019

[The Conway Daily Sun](#) covered University of Maine Cooperative Extension 4-H's annual June Jamboree held at Fryeburg Fairgrounds. The event was dedicated to helping 4-H youth learn about the care, health and wellness of livestock, fitting and showmanship. In addition, children working in multiple animal science projects, including sheep, swine, working steer and horse projects, took part in the event, according to the article. The jamboree started as an educational event focused on the market lamb and sheep project. Over eight years, it has grown to a regional event hosting multiple educational programs and fun 4-H events, the article states. It is now open to all 4-H members involved with livestock programs and animal science.

#### Environmental News Network, ScienceDaily report on UMaine-led abrupt climate change response study

21 Jun 2019

[Environmental News Network](#) and [ScienceDaily](#) published a University of Maine news release about a recent study that found new evidence that Arctic ecosystems undergo rapid, strong and pervasive environmental changes in response to climate shifts. Links between abrupt climate change and environmental response have long been considered delayed or dampened by internal ecosystem dynamics, or only strong in large magnitude climate shifts. The international research team, led by Jasmine Saros, associate director of the UMaine Climate Change Institute, found evidence of a "surprisingly tight coupling" of environmental responses in an Arctic ecosystem experiencing rapid climate change. Using more than 40 years of weather data and paleoecological reconstructions, the 20-member team quantified rapid environmental responses to recent abrupt climate change in West Greenland.

#### Livermore Falls Advertiser covers UMaine Extension Franklin County centennial celebration

21 Jun 2019

A century of programs and services provided by the University of Maine Cooperative Extension's Franklin County office was celebrated June 19, [Livermore Falls Advertiser](#) reported. Artifacts, brochures, demonstrations and baked goods were offered at the open house in Farmington. Several staff members were on hand to greet visitors, answer questions or reminisce about the past, and 4-H club members set up displays of their animal projects, according to the article. "There are quite a few 4-Hers here. They have plenty to tell you," said Tara Marble, 4-H youth development professional. Caitlin Pierce, a 16-year-old from Industry, has been a member of the Dusty Boots 4-H Club since she was 5. She brought her horse Rosie and a miniature horse, Daisy, with her. She also shared photographs of her 4-H activities from her laptop, the article states. "I started riding when I could walk. I do it all (the different show class categories)," she said.

#### Town Line reports on ethnographic field school trip to China transfer station

21 Jun 2019

[The Town Line](#) reported students in a University of Maine digital ethnography field school recently visited the transfer station in the town of China. Students in the class, led by Cynthia Isenhour, an assistant professor of anthropology and climate change, and Kreg Ettenger, associate professor of anthropology and director of the Maine Folklife Center and Maine Studies, learned how to properly conduct interviews as methods of collecting data for research. The course, titled "Exploring and Documenting Maine's Culture of Reuse," is part of the ResourcefulME research project headed by Isenhour. Students in the class interviewed employees about the transfer station's popular Swap Shop, which allows China residents to drop off anything that can be reused instead of disposed of and for "shoppers" to give the items a new life, the article states.

#### WABI, Sun Journal interview Dill about ticks, other pests

21 Jun 2019

[WABI](#) (Channel 5) spoke with Griffin Dill, an integrated pest management professional with University of Maine Cooperative Extension, for the second part of its series "Fighting Lyme disease." Dill said the tick population and reported cases of tick-borne diseases are increasing in Maine. "It's a more forested state with human development mixed in, so it's kind of created the perfect habitat for ticks, as well as their wildlife hosts," he said. Dill cautioned that people don't have to change their lifestyle, but it is important to take some simple precautions, like treating clothing and gear with repellents, such as permethrin. "We want people to be aware of ticks but not afraid," he said. "We want people to go outside." Dill also spoke with the [Sun Journal](#) for the article, "Rainy spring has produced a bumper crop of ticks, black flies and mosquitoes." Dill said this spring has been abnormal. "The winter lasted longer than usual. That pushes back the timeline for insects like ticks," he said. With a delayed start to the pest season, multiple species are emerging at the same time, the article states. "Wet weather creates great breeding times for mosquitoes and ticks," Dill said. [Journal Tribune](#) and [Kennebec Journal and Morning Sentinel](#) carried the Sun Journal article.

#### The Guardian interviews Beal about coping with invasive green crabs

21 Jun 2019

Brian Beal, a professor of marine ecology at the University of Maine at Machias, spoke with [The Guardian](#) for the article, "Coping with crisis: how scientists are making an invasive crab a delicacy." Due to warming waters in the Gulf of Maine, green crabs have taken hold, devastating soft-shell clam populations depended on for food and income, cutting their harvest to the lowest levels in nearly 90 years while simultaneously destroying eelgrass habitats that serve as nurseries for young fish, the article states. In Maine, soft-shell clam harvests have fallen off significantly over the past three decades. Beal said his research has found that as much as 99 percent of clams in many parts of Maine are dying before they reach adulthood; many are eaten by green crabs. While some researchers promoting green crabs as a food source hope their efforts can restore clam populations, Beal said he believes that is unlikely. "The most damage that's occurring by green crabs on soft-shell clams is by crabs that are smaller than your thumbnail," he said. "There's no way you can trap crabs that are the size of your thumbnail." Beal calls the green crab the "consummate invader" due to its ability to "out-reproduce anything else" as well as its breadth of habitat and diet.

#### Community engagement in science supports healthy coasts

21 Jun 2019

Scientists, citizens and resource managers from across Maine and beyond gathered at the University of Maine at Machias June 17–18 to share knowledge and ideas about how to sustain eastern Maine fisheries and fishing communities into the future. The first-ever State of the Science conference was sponsored by the Eastern Maine Coastal Current Collaborative and included featured presentations by both University of Maine and UMM faculty, along with other researchers, fishers and community members. The goal of the conference was to identify what is known and needs to be known about the social and ecological dimensions of eastern Maine coastal communities. The effort is aimed to support more integrated and proactive stewardship of the region's highly valued marine resources into the future. More than 150 people attended the conference, including fishermen, researchers, students, town managers, tribal representatives, and nonprofit and government officials. Heather Leslie, director of UMaine's Darling Marine Center and Libra Associate Professor of Marine Sciences, offered the kick-off plenary talk on the first day, highlighting the principles of ecosystem-based fisheries management and the role interdisciplinary science can play in supporting sustainable management of fisheries and other valuable benefits provided by coastal and ocean systems. She noted the importance of developing research questions and interpreting results in cooperation with fishermen and other community members, drawing on examples from her research in Maine and Mexico.



On the second day of the conference, Joshua Stoll, an assistant research professor in UMaine’s School of Marine Sciences and a cooperative scientist at the Maine Center for Coastal Fisheries, focused on the human dimensions of ecosystem-based management in a talk on the ecosystem of governance. The presentation drew attention to the complex regulatory environment in the region and highlighted ways in which it is changing people’s connections to fisheries. “Ecosystem-based fisheries management is the goal for many resource managers, yet it is difficult to put into practice. Scientists can point to few examples of success stories. Launching an effort like this in eastern Maine, starting with important community partners like fishermen and the tribal community, has exciting prospects to be realized on our coast and will have far reaching implications for researchers and managers across the globe,” said Gayle Zydlewski, director of Maine Sea Grant and a faculty member in UMaine’s School of Marine Sciences. Other UMaine faculty, including Damian Brady, Jeff Runge and Bob Steneck, and UMM faculty member Tora Johnson shared established and emerging findings on the social, oceanographic and ecological dynamics of the Eastern Maine Coastal Current ecosystem. Significant changes in ecosystem dynamics have been observed in the region in the past 10 years, according to Steneck and Runge. Runge described how changes in right whale behavior can signal larger ecosystem-scale shifts, saying ‘we can learn from the whales’ how the system is changing. “Down East communities are closely linked with the marine environment in so many ways — economically, culturally, socially — with a long history of collaborative fisheries management. They are also grappling with complex challenges with very limited resources. This region is fertile ground for this kind of work to better understand those complex systems and develop innovative approaches for managing the resources in the future,” said Johnson, chair of UMM’s Environmental and Biological Sciences Division. Johnson, who served as a conference steering committee member, shared her work supporting community resilience and planning in eastern Maine as part of the event. The Eastern Maine Coastal Current Collaborative is led by the Maine Center for Coastal Fisheries, in partnership with the Maine Department of Marine Resources and the federal ocean agency, the National Oceanic and Atmospheric Administration (NOAA). The geographic focus of the Collaborative extends from the western edge of Penobscot Bay to the Canadian border and includes all upland watersheds. Contact: Margaret Nagle, 207.581.3745

**Penobscot Bay Pilot cites Lobster Institute statistic in report on calico lobster**

24 Jun 2019

[Penobscot Bay Pilot](#) cited a statistic from the Lobster Institute at the University of Maine in a report on a calico lobster found off the coast of Camden. The chance of catching a calico lobster is one in 30 million, according to the Lobster Institute. Dominic and Liz Gioia, who caught the lobster, released it back into the ocean after taking photos, according to the report.

**Lancaster Farming advances FDA food safety certification training at UMaine**

24 Jun 2019

[Lancaster Farming](#) advanced a U.S. Food and Drug Administration-recognized food safety certification training to be hosted by University of Maine Cooperative Extension, beginning 8 a.m.–5 p.m. June 26 at the UMaine Extension office in Bangor. The training will continue 8 a.m.–5 p.m. June 27 and 8 a.m.–noon June 28. The fee is \$250 for Maine businesses, \$500 for out-of-state businesses, and includes meals and all training materials, according to the article. For more information, contact Theresa Tilton, 207.942.7396; [theresa.tilton@maine.edu](mailto:theresa.tilton@maine.edu).

**Hargest quoted in BDN article on microgreens**

24 Jun 2019

Pamela Hargest, a horticulture professional with University of Maine Cooperative Extension, was quoted in the [Bangor Daily News](#) article “Why you should make microgreens part of your daily diet.” Microgreens, the edible shoots of plants harvested just after the first leaves have developed, can add extra flavor, color and texture to many dishes, according to the article. “Because they’re so young, they’re packed with a lot of nutrients and flavor,” said Hargest, who used to grow microgreens commercially and now leads workshops on how to grow them. “My personal favorite is sunflower shoots because the flavor is a little surprising. They’re a little nutty and have a unique texture, being a little succulent,” she said. “Usually the ones with a lot of flavor are the most popular — things like lemon basil and red vein sorrel.” Many other plants, from radishes to parsley, can be grown as microgreens, and the nutritious results can be used in recipes like salads, sandwiches, pizza, pasta, omelets and more, according to the BDN.

**Hamlin discusses alligator encounter for The Story Collider**

24 Jun 2019

Heather Hamlin, an associate professor of aquaculture at the University of Maine, discussed her first field research assignment — an alligator encounter — for a segment on [The Story Collider](#) with the theme “Strength.” Hamlin described the day she was asked to fill in for a field position even though it was well outside her comfort zone as a lab researcher. That day, even though she didn’t think she could, Hamlin wrangled an alligator and managed to hold it down while the other researchers took blood samples. “I’ve really thought about what it was that made me think that I couldn’t do it, and why someone else’s opinions of what I can and can’t do were so much more powerful than my own and, in fact, what could happen when that’s reversed,” Hamlin said. “So that was really a watershed moment for me in understanding what my limits are. I really think, from that point on, I’ve been relatively fearless not only in science but in other aspects of my life.”

**Maine Public quotes Gardner in report on child care affordability, accessibility**

24 Jun 2019

[Maine Public](#) quoted Susan Gardner, a professor of higher education and director of women’s, gender, and sexuality studies at the University of Maine, in a Deep Dive report about the difficulty of accessing affordable, high-quality child care. “We know our younger population is declining, we are the oldest state in the United States, and if we want to continue to bring in and maintain younger people in this area, we have to address this systematically and systemically,” said Gardner.

**Beal featured in Maine magazine’s 50 Mainers issue**

24 Jun 2019

Brian Beal, a professor of marine ecology at the University of Maine at Machias, was featured in [Maine](#) magazine’s annual 50 Mainers issue. Beal recently conducted a study of soft-shell clam survival rates, which had significance for the local economy and workforce, the article states. “The study answered interesting theoretical questions about the ecology of soft-shell clam juveniles, while at the same time it answered a very applied question that communities would have if they are trying to enhance clamming stocks in their flats,” said Beal.

**Panorama publishes article by Wolff on amateurism in American art**

24 Jun 2019

Justin Wolff, an associate professor of art history at the University of Maine, recently had an article published in Panorama, the peer-reviewed journal of the Association of Historians of American Art. The [article](#), “Amateurism and American Visual Culture,” serves as an overview and introduction to a suite of five essays, which Wolff selected and edited, on the topic of amateurism in relation to modernist practices in American art. The Spring 2019 (5.1) issue of Panorama is [online](#).

**University of Maine announces spring 2019 Dean's List**

25 Jun 2019

The University of Maine recognized 2,330 students for achieving Dean's List honors in the spring 2019 semester. Of the students who made the Dean's List, 1,649 are from Maine, 623 are from 35 other states and 58 are from 30 countries other than the U.S. Listed below are students who received Dean's List honors for spring 2019, completing 12 or more credit hours in the semester and earning a grade point average of 3.5 or higher. [Also available is a breakdown of the Dean's List by Maine counties.](#) *Please note that some students have requested that their information not be released; therefore, their names are not included.*

Last name	First name	City	State	Country
Abbott	Marshall	Portland	ME	

Abendroth	Till	Recklinghausen		Germany
Abou-Elias	Jasmine	Orono	ME	
Acharya	Arnav	Biratnagar Bazar		Nepal
Acheson	Erin	Arundel	ME	
Acheson	Julianna	Andover	MA	
Ackley	Matt	Rockport	ME	
Adams	Mary	Gorham	ME	
Adams	Molly	Caribou	ME	
Adams	Tom	Falmouth	ME	
Agneta	Dominic	Windham	ME	
Agneta	Melissa	Windham	ME	
Ahearn	Matthew	Medway	MA	
Aiken	Kara	Westford	MA	
Alameri	Ali	Abu Dhabi		United Arab Emirates
Aldrich	Matthew	Windham	ME	
Alexander	Jared	Chelsea	ME	
Alexander	Quinn	Brunswick	ME	
Allard	Rebecca	Southington	CT	
Allen	Beth	Bangor	ME	
Allie	Carigan	Scarborough	ME	
Altvater	Nolan	Old Town	ME	
Alvandian	Alexander	West Haven	CT	
Alvarez	Nick	South Portland	ME	
Andersen	Emilie	Orono	ME	
Anderson	Charlotte	Smallwood		United Kingdom
Anderson	Chris	Lincoln	ME	
Anderson	Greta	Jeffersonville	VT	
Anderson	Gus	Phippsburg	ME	
Anderson	Jessie	Merrimac	MA	
Anderson	Sydney	Brunswick	ME	
Andrews	Lauren	Westford	MA	
Angelo	Edward	Troy	ME	
Angerame	Gianna	Wrentham	MA	

Antonio	Angela	Framingham	MA	
Anzures Uroza	Eduardo	South Portland	ME	
Aquino	Juliette	Delanco	NJ	
Arakelian	Sachristy	Orono	ME	
Arbo	Tyler	Newburgh	ME	
Archambault	Griffin	Wayland	MA	
Archer	Rebecca	Gray	ME	
Ardinger	Audrey	Greenville	ME	
Armistead	Dawson	Orono	ME	
Arnold	Corbett	Lincoln	ME	
Arnold	Devan	Old Town	ME	
Aromando	Logan	Orono	ME	
Arsenault	Andrew	Rumford	ME	
Arsenault	Lyndsey	Windham	ME	
Arsenault	Michaela	Cape Elizabeth	ME	
Artkop	Mikayla	Searsmont	ME	
Arya	Nishchay	Bangor	ME	
Ashe	Megan	Colchester	CT	
Ashe	Nicole	Williamstown	VT	
Ashley	Bethany	Buxton	ME	
Audet	Scott	Bangor	ME	
Audibert	Sharon	Northport	ME	
Austin	Jared	Brewer	ME	
Austin	Kaleb	Skowhegan	ME	
Austin	Sierra	Norwich	CT	
Autry	Ben	Standish	ME	
Avena	Sydney	East Lyme	CT	
Averill	Collin	Brewer	ME	
Awalt	Brian	Hancock	ME	
Ayotte	Stephanie	Saco	ME	
Babbidge	Ellen	Bangor	ME	
Backstrom	Sadie	Middleton	MA	
Baez	Alan	Waterville	ME	

Bagley	Cedar	Milford	ME	
Bagley	Grace	Belfast	ME	
Bailey	Brad	Randolph	ME	
Bailey	Caleb	Saco	ME	
Bailey	Jacob	Hampden	ME	
Bailey	Michael	Holden	ME	
Bailey	Nicole	Nepean	ON	Canada
Baiungo	Anna	Searsmont	ME	
Baker	Sarah	Glenburn	ME	
Baldwin	Connor	Hollis Center	ME	
Ballard	Brianna	Veazie	ME	
Balsley	Kayla	Summit	NJ	
Bamford	Hannah	Rochester	NH	
Barbee Bamford	Shay	Harrington	ME	
Barbera	John	Yarmouth	ME	
Barbour	Julia	Rockland	ME	
Bard	Logan	Bangor	ME	
Barker	Cleo	Portland	ME	
Barnett	Alex	Orono	ME	
Barnett	Emily	North Monmouth	ME	
Barry	Kyle	Hampden	ME	
Barylski	Andrew	Putnam	CT	
Bastidas	Eric	Blairstown	NJ	
Bates	Silas	Brooksville	ME	
Batron	Katie	Exeter	ME	
Batron	Rebecca	Exeter	ME	
Bauer	Chris	Merrimac	MA	
Baumann	Jackson	Orono	ME	
Baumann	Jake	Falmouth	ME	
Bayer	Molly	Tolland	CT	
Bazzinotti	Angela	Dorchester	MA	
Beal	Sierra	Tenants Harbor	ME	
Beals	Allie	Chelmsford	MA	

Beaudoin	Joseph	Kennebunk	ME	
Beaudoin	Samuel	Acton	ME	
Beaulieu	Caitlyn	Gorham	ME	
Beccia	Willow	Northborough	MA	
Beckshaw	Marie	Haverhill	MA	
Bedsole	Isaiah	Abington	MA	
Beebe	Connor	Reading	PA	
Begic	David	Zadar		Croatia
Begin	Noah	Damariscotta	ME	
Belanger	Ciera	Lewiston	ME	
Belanger	Ethan	Sanford	ME	
Belanger	Kirstie	Skowhegan	ME	
Belanger	Marissa	Milford	NH	
Belanger	Paige	Fairfield	ME	
Bell	Brad	Clifton	ME	
Bell	Katie	Newport	ME	
Bell	Rebecca	Skowhegan	ME	
Bellefleur	Alexis	Auburn	ME	
Bellefontaine	Jackie	Malden	MA	
Belleville	Hannah	Salem	CT	
Beltz	Alexandra	Sleepy Eye	MN	
Bender	Ally	Seal Harbor	ME	
Bendo	Klei	Tirana		Albania
Benedict	Brianna	Vassalboro	ME	
Benedix	Logan	Mexico	ME	
Beneduci	Zach	Troy	NY	
Beneski	Jessica	Revere	MA	
Benjamin	Jake	Bolton	MA	
Bennett	Abigail	Brewer	ME	
Bennett	David	Topsfield	MA	
Bennett	Drew	Brewer	ME	
Bennett	Kayla	Somers	CT	
Bennett	Madison	Hampden	ME	

Bennett	Molly	Falmouth	ME	
Benning	Montana	Waterloo	WI	
Bennoch	Connor	West Bath	ME	
Benoit	Dylan	Southbury	CT	
Benson	Brawley	Greenbush	ME	
Benttinen	Hunter	Pittsfield	ME	
Berez	Sarah	Camden	ME	
Berghoff	Sonia	Easthampton	MA	
Bernier	Al	Waterville	ME	
Bernier	Tyler	Westbrook	ME	
Berry	Raeann	Southold	NY	
Bertin	Ryan	Gorham	ME	
Bertrand	Krista	Durham	ME	
Bertwell	Lindsey	Derry	NH	
Berube	Alison	Winthrop	ME	
Berube	Peter	Andover	MA	
Berwick	Kyle	Gorham	NH	
Bevins	Sam	Gloucester	MA	
Biagini	Claudia	North Weymouth	MA	
Bibbo	Madison	Danvers	MA	
Bickel	Savannah	Manahawkin	NJ	
Biegel	Abby	Gorham	ME	
Biela	Kimberly	Southington	CT	
Bielby	Euan	Newbury	MA	
Bierman	Madeline	Sorrento	ME	
Bilodeau	Denton	Livermore Falls	ME	
Bilodeau	Katelyn	West Gardiner	ME	
Binette	Tanner	Leeds	ME	
Bista	Bivek	Damak		Nepal
Biswas	Oisin	Brewer	ME	
Blackdeer	Emma	Madison	WI	
Blaine	Steven	York	ME	
Blais	Maxwell	Hampden	ME	

Blanchard	Dawsin	Gray	ME	
Blanchette	Jonny	New Canada	ME	
Blankenship	Forrest	Brunswick	ME	
Blatt	Tobyn	Brunswick	ME	
Blodgett	Miranda	Lowell	MA	
Blood	Ben	Orono	ME	
Bloom	Jacob	Scarborough	ME	
Bloomer	Tim	Hopkinton	MA	
Blum	Kyle	Warren	ME	
Boardman	Peter	Madison	ME	
Bobrova	Victoria	Moscow		Russian Federation
Bock	Chris	Yarmouth	ME	
Bock	Gabrielle	New Boston	NH	
Boisvert	Noah	Yarmouth	ME	
Bolduc	Andrew	Winslow	ME	
Bolduc	Connor	Bowdoin	ME	
Bolduc	Dylan	Portland	ME	
Bolozova	Alexandra	Poprad		Slovakia
Bonarrigo	Lili	Rockland	ME	
Bonner	Derek	Wayland	MA	
Bonner	Matthew	Haverhill	MA	
Bonnevie	Sam	Cumberland Center	ME	
Bonneville	Lucie	Belfast	ME	
Bonney	Rachel	Oxford	MA	
Boone	Christian	Glenburn	ME	
Boone	Meg	Presque Isle	ME	
Boos	Meghan	Naples	ME	
Bouchard	Bryan	Levant	ME	
Bouchard	Mikayla	Brunswick	ME	
Boucher	Matthew	Eddington	ME	
Bouchles	Dalton	Lewiston	ME	
Bouffard	Connor	Biddeford	ME	
Bourassa	Elise	Westbrook	ME	



Bourgeois	Evan	Williston	VT	
Bourque	Summer	Springvale	ME	
Boutaugh	Caryn	Millinocket	ME	
Bouton	Anna	Yarmouth	ME	
Boutot	Hunter	Old Orchard Beach	ME	
Bowden	Katrina	Hudson	ME	
Bowen	Cagney	Orono	ME	
Bowen	C.J.	Plaistow	NH	
Bowen	John	Norway	ME	
Bower	Nicholas	Orrington	ME	
Bowie	Jordan	Windsor	ME	
Bowie	Tom	Orono	ME	
Boyczuk	Eddie	Orchard Park	NY	
Bozzelli	Racquel	Dover Foxcroft	ME	
Brace	Kayla	Lewis Lake	NS	Canada
Bracken	Parker	South Portland	ME	
Bradbury	Clark	Bridgewater	ME	
Bradbury	Maggie	Nobleboro	ME	
Bradshaw	Jacob	Berwick	ME	
Bradstreet	Erin	Brunswick	ME	
Bradstreet	Olivia	Palermo	ME	
Brady	Zac	New Gloucester	ME	
Bragdon	Emma	Eddington	ME	
Braley	Leah	Branford	CT	
Braley	Taylor	Alton	ME	
Brann	Kaylee	Benton	ME	
Brannigan	Annie	Chelsea	ME	
Bray	Ryan	Cumberland Center	ME	
Breen	Jake	Bangor	ME	
Brenna	Stephanie	York	ME	
Bresnahan	Andrea	Maynard	MA	
Bresnahan	Tom	Middleton	MA	
Brett	Courtney	Portland	ME	

Brewer	Evan	Madison	ME	
Brickman	Emma	Fort Kent	ME	
Brickman	Lily	Fort Kent	ME	
Bridges	Danny	Bangor	ME	
Bridges	Tyler	Baring Plantation	ME	
Briggs	Lauren	Freeport	ME	
Brinn	Declan	Searsmont	ME	
Britton	Alex	Falmouth	ME	
Brochu	Camille	Hardwick	VT	
Broderick	Ava	Old Town	ME	
Brogna	Ashleigh	Woburn	MA	
Bromley	Alex	Voorhees	NJ	
Brooks	Drew	Lyman	ME	
Brown	Erin	Bangor	ME	
Brown	Jack	Orono	ME	
Brown	Jake	Layton	NJ	
Brown	Justin	Ellsworth	ME	
Brown	Kathleen	Portsmouth	RI	
Brown	Nicole	Lamoine	ME	
Brown	Shannon	Medford	MA	
Brown	Steven	Marblehead	MA	
Brown	Todd	Washington	PA	
Brown	Zoe	South Portland	ME	
Brunken	Shannon	Stony Brook	NY	
Brunton	Chris	Old Town	ME	
Buckley	David	Greene	ME	
Budri	George	Portland	ME	
Budri	Mariza	Portland	ME	
Budri	Natalia	Portland	ME	
Budway	Emma	Scarborough	ME	
Bullard	Tim	Wells	ME	
Bunker	Danny	Bucksport	ME	
Burby	Sarah	Winterport	ME	

Burch	Madison	Bath	ME	
Burchett	Justin	Foster	RI	
Burgason	Johanna	Old Town	ME	
Burgess	Jacob	North Berwick	ME	
Burgess	Samuel	Lexington	KY	
Burgher	Nick	West Shokan	NY	
Burhoe	Pamela	Franklin	ME	
Burkard	Alyssa	Williamsburg	VA	
Burkard	Jay	Searsport	ME	
Burkard	Lauren	Stockton Springs	ME	
Burke	Christopher	Norwell	MA	
Burke	Nathaniel	North Chelmsford	MA	
Burke-Monsanto	Kiana	Nahant	MA	
Burnell	Jack	Windham	ME	
Burnham	Ashley	Farmington	ME	
Burns	Delaney	Gorham	ME	
Burns	Hannah	Whitefield	ME	
Burridge	Mikayla	Newburgh	ME	
Burris	Brandon	Orono	ME	
Burtis	Max	Brunswick	ME	
Bush	Caroline	Holden	ME	
Bushey	Marty	Biddeford	ME	
Bussiere	Jasmine	Jay	ME	
Butler	Chris	Bar Harbor	ME	
Butler	Cole	Orono	ME	
Butler	Kendall	Harwinton	CT	
Butler	Wyatt	Eddington	ME	
Butler	Yonas	Watertown	MA	
Butts	Erin	Brunswick	ME	
Buyaskas	Mike	Clifton Park	NY	
Buzby	Noa	Southampton	PA	
Buzzell	Rae	Brunswick	ME	
Buzzell	Shannon	Monmouth	ME	

Buzzelli	Angelina	Charleston	ME	
Byers	Ryan	Hermon	ME	
Byrne	Devin	Old Lyme	CT	
Cadran	Emma	New Gloucester	ME	
Cadran	Haley	New Gloucester	ME	
Cahill	Sean	Yarmouth	ME	
Cali	Rick	Bangor	ME	
Camarata	Lindsay	Brentwood	NH	
Campbell	Becca	Sanford	ME	
Campbell	Brody	Lisbon	ME	
Campbell	Haley	Winslow	ME	
Campbell	Jacob	Sangerville	ME	
Campbell	Sonya	Tilton	NH	
Campbell	Spencer	Saco	ME	
Campion	Ryan	Kittery	ME	
Capreri	Anthony	Pennsburg	PA	
Cardin	Rooster	Hermon	ME	
Carlson	Aidan	Wiscasset	ME	
Carlson	Guy	Grand Rapids	MN	
Carlson	Maeve	Wiscasset	ME	
Carney	Caitlin-Anne	Plainfield	NH	
Caron	Vanessa	Sanford	ME	
Carroll	Cassandra	Enfield	CT	
Carson	Hunter	Bozrah	CT	
Carter	Amanda	Bucksport	ME	
Carter	Calli	Ellsworth	ME	
Cartonio	Sophia	Westbrook	ME	
Caruso	Kendra	Hudson	ME	
Caruso	Toni	Scarborough	ME	
Carver	Will	Preston	CT	
Casburn	Alex	Orrington	ME	
Casey	Darby	Bellmawr	NJ	
Casey	Julia	Brunswick	ME	

Casey	Liam	Dover Foxcroft	ME	
Castiello	Isabella	Lynn	MA	
Castiglia	Elana	Eddington	ME	
Castonguay	Paige	Benton	ME	
Castonguay	Rachel	Wayne	ME	
Castro	Charlize	Ronkonkoma	NY	
Caswell	Kirsten	Orono	ME	
Cavanaugh	Katie	Calais	ME	
Cedor	Hailey	North Kingstown	RI	
Cersoli	Cheyenne	Palermo	ME	
Cha	SooZin	Little Deer Isle	ME	
Chagnon	Simone	Eliot	ME	
Chamard	Sara	Falmouth	ME	
Champagne	Lizzy	Poland	ME	
Chapman	Carroll	Embden	ME	
Chapman	Chelsea	Orono	ME	
Charest	Samantha	Methuen	MA	
Charlebois	Caleigh	Orono	ME	
Charpentier	Lily	Naples	ME	
Charrier	Megan	Sanford	ME	
Chasse	Benjamin	Hampden	ME	
Chasse	Nicole	East Millinocket	ME	
Chen	Rita	Port Jefferson	NY	
Cheng	Peng	Ashland	ME	
Chin	Jade	Madison	CT	
Chozick	Rachel	West Hartford	CT	
Christiansen	Catherine	Naples	ME	
Christianson	Devin	Bangor	ME	
Ciaffaglione	Aiden	Southington	CT	
Ciance	Michael	Contoocook	NH	
Cianchette	Erin	Falmouth	ME	
Ciesielski	Kate	Duxbury	MA	
Clark	Elaine	Sanford	ME	

Clark	Jacob	Old Town	ME	
Clark	John	Windham	ME	
Clark	Sally	Hudson	ME	
Clark Bonsant	Ally	Vassalboro	ME	
Clarke	Emily	Acton	ME	
Clarke	Kevin	Madison	CT	
Claudel	Christina	Orono	ME	
Clavette	Renee	South Berwick	ME	
Cleary	Julia	Wakefield	MA	
Clemens	Jen	Bar Harbor	ME	
Clement	Cassidy	Madison	ME	
Clement	Evie	Falmouth	ME	
Clements	Julie	Hancock	ME	
Clifford	Jaimi	Augusta	ME	
Clifford	Sam	Walpole	MA	
Cline	Hunter	Gilead	ME	
Closson	Christina	Bernard	ME	
Cloutier	Averie	Greene	ME	
Cmar	Leeanna	Bow	NH	
Cobb	Katie	Fairfield	ME	
Cobotic	Sam	Douglaston	NY	
Coco	Aviana	Orono	ME	
Cogley	Peter	Roxbury	ME	
Cohen	Sophie	Warren	ME	
Colbert	Zach	Groveland	MA	
Coleman	Aiden	Wakefield	MA	
Collier	Caroline	Charlestown	MA	
Collier	Jonas	Denver	CO	
Colter	Emily	Hampden	ME	
Comeau	Alli	Ipswich	MA	
Comeau-Waite	Lily	Leeds	ME	
Comfort	Hannah	Winslow	ME	
Comtois	Abigail	Warwick	RI	

Conant	Jack	Orono	ME	
Conant	Jenna	Rockland	ME	
Conley	James	Standish	ME	
Connelly	Joe	Vassalboro	ME	
Conner	Sarah	Orono	ME	
Connor	Mackenzie	Cotuit	MA	
Connors	George	Bethel	ME	
Conrad	Michael	Kennebunkport	ME	
Conway	Ryan	Cornville	ME	
Cooper	Ally	Orono	ME	
Cooper	Jocelyn	Boxford	MA	
Cooper	Karissa	Torrington	CT	
Cordes	Jess	Huntington Station	NY	
Corless	Bailey	Wallingford	CT	
Corman	Silas	Portland	ME	
Cormier	Maria	Sullivan	ME	
Cornish	Carly	Topsham	ME	
Cosgrove	Sydni	Bangor	ME	
Costello	Sarah	Old Town	ME	
Costigan	James	Charlestown	RI	
Costigan	Julie	Cold Spring	NY	
Cote	Cam	Sanford	ME	
Cote	Jacob	Brewer	ME	
Cote	Macie	Newburgh	ME	
Cotnoir	Courtney	Brewer	ME	
Cotton	Ben	Glenburn	ME	
Cotton	Jared	Framingham	MA	
Cotton	Katie	Glenburn	ME	
Cousins	Brittany	Milford	ME	
Cousins	Robert	Brewer	ME	
Couture	Abby	Berwick	ME	
Couture	Brian	South Berwick	ME	
Cowan	Grace	New Portland	ME	

Cowan	Katherine	Barnet	VT	
Cox	Gabriella	Orono	ME	
Cox	Matthew	Bar Harbor	ME	
Cox	Tom	Orono	ME	
Coyne	Alyssa	Old Town	ME	
Coyne	Emily	North Yarmouth	ME	
Crafts	Lauren	Attleboro	MA	
Craig	Jovon	Brewer	ME	
Craig	Lucas	Ashland	ME	
Cram	Baylie	West Bath	ME	
Cramer	Charles	West Palm Beach	FL	
Cramer	James	Bangor	ME	
Crawford	Loreli	Orono	ME	
Crawford	Mike	Topsham	ME	
Cray	Taylor	Readfield	ME	
Creamer	Mac	Chelsea	ME	
Crinnion	Ben	Madison	CT	
Crise	Amelia	Lee	ME	
Crispin	Rose	Wilmington	MA	
Crockett-Current	Sophia	Saco	ME	
Cronin	Garrett	York	ME	
Cronin	Hanna	Methuen	MA	
Crooks	Emma	Acton	MA	
Cropley	Melody	Standish	ME	
Crouse	Bryan	Westbrook	ME	
Crowley	Ben	Old Town	ME	
Crowley	Jamie	Orono	ME	
Crowley	Kim	Orono	ME	
Crucianelli	Paula	Westbrook	ME	
Crump	Skye	Kennebunkport	ME	
Crumrine	Katie	Oakland	ME	
Cuddy	Robert	Hudson	MA	
Cummings	Caid	Brewer	ME	



Cummings	Claudia	Indian Island	ME	
Cummings	Julia	Brewer	ME	
Curley	Kate	Gorham	ME	
Curtis	Brooke	Skowhegan	ME	
Curtis	Hunter	Richmond	ME	
Cusack	Amanda	Kittery	ME	
Cushman	Jaycee	Mercer	ME	
Cushman	Russ	Bryant Pond	ME	
Cushman	Rylee	Hermon	ME	
Cyr	Alec	Caribou	ME	
Cyr	Ally	Southampton	PA	
Cyr	Gabriela	Saint Agatha	ME	
Cyr	Jake	East Waterboro	ME	
Cyr	Jameson	Brunswick	ME	
Cyr	Kallie	Westbrook	ME	
Cyr	Shaylyn	Glenburn	ME	
D'Amato	Marco	Rockport	ME	
D'Ambrosio	Tyler	Queensbury	NY	
D'Entremont	Drew	Gloucester	MA	
Daggett	Chris	Chelsea	ME	
Dagher	Anna	Veazie	ME	
Dagher	Joseph	Veazie	ME	
Dahan	Lior	Wayland	MA	
Daigle	Jacob	New Canada	ME	
Dalton	Ann Marie	Hampden	ME	
Daly	Tommy	Bangor	ME	
Dam	Olivia	Lewiston	ME	
Damboise	Oliviah	Old Town	ME	
Damon	Madison	South Portland	ME	
Dana	Madalyn	Perry	ME	
Danforth	Christopher	West Warwick	RI	
Daniels	Liam	Veazie	ME	
Danner	Alex	Waterville	ME	

Dartt	Zeb	St George	VT	
Daub	Elyse	Hampden	ME	
Dauphinee	Sam	Bradley	ME	
Davan	Kiley	Freeport	ME	
Davee	Molly	Rockport	ME	
Davey	Erin	Bath		United Kingdom
Davies	Kristin	Groveland	MA	
Davis	Cody	Bucksport	ME	
Davis	Daniel	Dedham	ME	
Davis	Elizabeth	Gray	ME	
Davis	Emily	Bangor	ME	
Davis	Hayley	Waterville	ME	
Davis	Samantha	Ellsworth	ME	
Davis	Taylor	South Portland	ME	
Davis	Troy	Warner	NH	
Davis	Tyler	Lyman	ME	
Davis	Zach	Groton	CT	
De Domenico	Francesco	Massapequa	NY	
Dean	Allie	Brewer	ME	
Dean	Andrew	Bath	ME	
Decker	Chris	Westbrook	ME	
Dee	Elizabeth	Reading	MA	
DeGone	Anthony	Turner	ME	
DeHaas	Abby	Carmel	ME	
Delaney	Amber	Livermore	ME	
Delano	Sarah	Houlton	ME	
DeLisle	Lilly	Rome	ME	
Delpino	Daniela	Old Town	ME	
DeMello	Ben	Raynham	MA	
Demers	Megan	Gorham	ME	
Denery	Keegan	Bath	ME	
Denico	Sadie	Standish	ME	
Densmore	Siobhan	Portland	ME	

Dent	Frances	Waukesha	WI	
DePippo	Dominique	Bath	ME	
DeRusha	Lindsey	Wrentham	MA	
Desai	Shweta	East Brunswick	NJ	
Deschene	Eric	Fort Kent	ME	
Deschenes	Hannah	Brentwood	NH	
DeSilva	Camille	Orono	ME	
DesJardin	Nancy	Winterport	ME	
Desmond	Evan	Stockholm	ME	
Despres	Abigail	Fayette	ME	
Desrochers	Isaac	Sanford	ME	
DeStefano	Katie	Glen Rock	NJ	
Detwiler	Sean	Arrowsic	ME	
Dever	Jack	Woburn	MA	
Devine	Leif	Bangor	ME	
Devoe	Marcus	Naples	ME	
Dezii	Paul	Haddon Township	NJ	
Dhungana	Aashish	Bhaktapur		Nepal
Diba	Zoey	Milford	ME	
Dickson	Beth	Bangor	ME	
Dickson	Carly	Fairfax	VA	
DiFederico	Gina	Milford	CT	
DiFilippo	Ally	Essex Fells	NJ	
DiLeo	Annalisa	Brookfield	CT	
Dillingham	Julia	Turner	ME	
Dillon	Seth	Madison	ME	
DiMinno	David	Brewster	NY	
Dimock	Nate	Madison	ME	
Dineen	Maeve	Beverly	MA	
DiNitto	Ariana	Bangor	ME	
DiSpirito	Dominique	Woonsocket	RI	
Dixon	Brandon	Solon	ME	
Dixon	Elliot	Albion	ME	

Dixson	Sequoia	Moravia	NY	
Doak	Kenny	Perkasie	PA	
Dodge	Lauren	Orono	ME	
Dodge	Lindsey	Orono	ME	
Dodge	Morgan	Orono	ME	
Doe	Stewart	Kennebunkport	ME	
Doherty	Anthony	Marshfield	MA	
Doherty	Jessica	Braintree	MA	
Doherty	Zac	Milton	MA	
Dolan	Kat	Eliot	ME	
Domagala	Mitchell	Ellsworth	ME	
Domingo	Priscilla	Ottawa		Canada
Dominique	Nick	Presque Isle	ME	
Donadio	Sophia	Middletown	CT	
Donahue	Connor	Saco	ME	
Donaldson	Allie	Etna	ME	
Dong	Bingying	Belfast	ME	
Donnelly	Ian	Windham	ME	
Donnelly	Jon	Brewer	ME	
Donovan	Emma	Quebec	QC	Canada
Donovan	Matthew	Bowdoinham	ME	
Donovan	Zoe	Brunswick	ME	
Dore	Gabbi	Van Buren	ME	
Dore	Kelsey	Aberdeen	SD	
Dorr	Maddy	McLean	VA	
Dorrnsoro	Vanessa	Walpole	MA	
Dow	Delaney	Ellsworth	ME	
Dowd	Shannon	Mendon	MA	
Dowling	Kate	Saco	ME	
Downey	Declan	Dedham	MA	
Doyle	Abby	South Berwick	ME	
Doyle	D.J.	Andover	CT	
Doyle	Jillian	Wilmington	MA	

Doyon	Eedy	Portland	ME	
Drake	Jesse	Glastonbury	CT	
Drews	Kelby	Hollywood	FL	
Driscoll	Megan	Chelmsford	MA	
Driscoll	Paige	South Windsor	CT	
Drown	Susannah	Orono	ME	
Drummond	Kiley	South China	ME	
Dubay	Cam	Orono	ME	
Dube	Katie	Arundel	ME	
Dube	Meagan	Caribou	ME	
Dubuc	Hannah	Taunton	MA	
Duff	Samm	Saratoga Springs	NY	
Duffield	Charlie	Old Town	ME	
Duffy	Ben	York	ME	
Duffy	Hannah	Waterboro	ME	
Dufour	Ryan	Glenburn	ME	
Dugas	Josh	Windham	ME	
Dumas	Adam	Gray	ME	
Dunn	Kathleen	Bangor	ME	
Dunning	Mike	Orrington	ME	
Dunroe	Megan	Hampden	ME	
Duplissie	Aubrey	Brewer	ME	
Dupont	Taylor	North Berwick	ME	
Dupuis	Katherine	Lyman	ME	
Duranko	Jessie	Westport	CT	
Durepo	Taylor	Presque Isle	ME	
Durkee	Olivia	Oakland	ME	
Durocher	Carl	North Berwick	ME	
Durrah	Abby	Hampden	ME	
Dustin	Aaron	Bowdoin	ME	
Dustin	Zane	Hebron	ME	
Dwelley	Mikala	Bowdoin	ME	
Dye	Jarod	Hallowell	ME	

Dyer	Rachael	Westbrook	ME	
East	Aly	Calais	ME	
Eaton	Kristy	Lamoine	ME	
Eaton	Madison	Stonington	ME	
Eaton	Miles	Kennebunkport	ME	
Eckert	Olivia	Canton	CT	
Edgar	William	South Portland	ME	
Edge	Brandon	Bangor	ME	
Edgecomb	Drew	Scarborough	ME	
Egan	Spenser	Bowdoinham	ME	
Egbert	Summer	Brick	NJ	
Elliott	Ashleigh	Waterford	ME	
Elliott	Avery	Waterford	ME	
Elliott	Sam	Blue Hill	ME	
Ellis	Kate	Dixfield	ME	
Ellis	Micaela	Brooks	ME	
Ellis	William	Vienna	ME	
Elmiligy	Asmaa	Norwood	MA	
Elsemore	Brian	South Portland	ME	
Elwell	Lydia	Searsport	ME	
Elz Hammond	Emma	Old Town	ME	
Emerich	Rachel	Old Town	ME	
Emerson	Brandon	Augusta	ME	
Emerson	Thomas	Topsham	ME	
Emery	Josh	Newport	ME	
Emery	Lauren	East Poland	ME	
Engelhardt	Josh	Pittsfield	ME	
Engholm	Jack	York	ME	
Enrico	Blake	Freeport	ME	
Eramian	Matthew	Boonton	NJ	
Erickson-Harris	Joshua	Kennebunk	ME	
Erlandson	Tatum	Durham	ME	
Esber	Ethan	Byfield	MA	

Espinosa	Vianca	Portland	ME	
Estey	Ezra	Orono	ME	
Esty	Colby	Skowhegan	ME	
Ettinger	Andrew	Hollis Center	ME	
Evangelista	Danika	Old Orchard Beach	ME	
Evangelista	Jaclyn	Stoughton	MA	
Everett	Emma	Presque Isle	ME	
Fabel	Catherine	Eden Prairie	MN	
Facey	Rushanne	Hulls Cove	ME	
Fahey	Amy	Bangor	ME	
Fahey	Maggie	Hampstead	NH	
Falkner	Noah	Ashland	OR	
Fandel	Olivia	Orono	ME	
Farina	Ashley	Rocky Hill	CT	
Farnham	Matt	Hermon	ME	
Farragher-Gemma	Laura	Millis	MA	
Farrell	Erin	Saco	ME	
Farrin	Abigail	Jefferson	ME	
Farrington	Cierra	West Baldwin	ME	
Farrington	Grace	Orono	ME	
Farrington	Keegan	Lincoln	ME	
Farrington	Koby	Lincoln	ME	
Faucher	Megan	Falmouth	ME	
Faunce	Will	Limington	ME	
Fay	Greg	Winthrop	ME	
Fedotov	Natalie	Bayonne	NJ	
Feeney	Lucy	Brewer	ME	
Feenstra	Rachel	Ellington	CT	
Feeny	Chloe	Cochranville	PA	
Feero	Keegan	Old Town	ME	
Feero	Nick	Old Town	ME	
Feldman	Jamie	Brooklyn	NY	
Ferguson	Chris	Fort Washington	PA	

Ferguson	Tala	Sandy River Plantation	ME	
Fernald	Ian	Phippsburg	ME	
Ferrante	Noah	Portland	ME	
Ferrara	Jack	Stratford	CT	
Ferrarese	Steven	West Caldwell	NJ	
Ferrauolo	Nick	Wallingford	CT	
Ferrazzi	Richard	Framingham	MA	
Ferri	Cassie	Springfield	MA	
Ferris	Amber	Peru	ME	
Fickett	Josh	Orono	ME	
Figuroa	Monica	Orono	ME	
Finley	Kevin	Orono	ME	
Fiore	Anthony	Bangor	ME	
Fiore	Luciano	Medford	MA	
Fischer	Anna	Arlington	VT	
Fishburn	Hannah	Charleston	ME	
Fisher	Zack	Orono	ME	
Fitzpatrick	Joe	North Yarmouth	ME	
Fitzpatrick	Julianne	Wells	ME	
Fitzpatrick	Kevin	Bristol	ME	
Flagg	Chloe	Livermore Falls	ME	
Flaherty	Connor	Cape Elizabeth	ME	
Flaherty	Joseph	Attleboro Falls	MA	
Flaherty	Matthew	Jamaica Plain	MA	
Flanders	Ashley	Belfast	ME	
Flannery	Alex	Hampden	ME	
Flannery	Michael	Concord	MA	
Flannery	Zachary	Hampden	ME	
Fleenor	Mikaela	Orono	ME	
Flessen	Ivy	Oswego	IL	
Flubacher	Liam	Winter Harbor	ME	
Fluet	Zoe	Cumberland Center	ME	
Flynn	James	Lewiston	ME	



Flynn	Jillian	Caribou	ME	
Flynn	Liam	Raymond	ME	
Fogg	Kate	Dedham	ME	
Foley	Tara	Pembroke	MA	
Folger	Claudia	South Berwick	ME	
Follansbee	Kate	Scarborough	ME	
Fong	Tristan	Hope	ME	
Fonger	Sierra	Brooks	ME	
Foran	Molly	Ware	MA	
Ford	Katelyn	Presque Isle	ME	
Ford	MacKenzie	Newcastle	ME	
Ford	Morgan	Appleton	ME	
Forsyth	Felicia	Jericho	VT	
Foss	Jacob	Livermore	ME	
Fossier	Mitchell	Alpharetta	GA	
Foster	Anna	South Portland	ME	
Foster	Mackenzie	Poland	ME	
Fournier	Andrew	Bangor	ME	
Fournier	Jordan	Buxton	ME	
Fournier	Noah	Carrabassett Valley	ME	
Fowler	Dan	Hampden	ME	
Fox	Jette	Glen Allen	VA	
Fox	Matt	Monmouth	ME	
Foye	Eliza	Eliot	ME	
Francis	Josh	Bangor	ME	
Fraser	Caiden	West Bath	ME	
Fraser	Caitlin	Brewer	ME	
Freeman	Emma	Scarborough	ME	
Freeman	Kristen	Old Town	ME	
Freitag	Sydney	Rockport	ME	
French	Chris	Waterville	ME	
French	Rebecca	Topsham	ME	
Freudenberger	Laura	Palmyra	ME	

Frisard	Meghan	Worcester	MA	
Fudge	Cameron	Farmingdale	ME	
Gagne	Emily	Raymond	ME	
Gagne	Hailey	South Berwick	ME	
Gagner	Emily	Hampden	ME	
Gaines	Susannah	Lexington	MA	
Galante	Cori	York	ME	
Gallagher	Colleen	Attleboro	MA	
Gallant	Austin	Gray	ME	
Gallant	Logan	Bangor	ME	
Gallati	Mika	Cumberland Center	ME	
Galletta	Quinn	Manchester	ME	
Galli	Michael	South Hamilton	MA	
Gallop	Emma	Houlton	ME	
Ganzel	Tabetha	Linneus	ME	
Garand	Brad	Sidney	ME	
Garand	Melissa	Manchester	ME	
Garcia	Alyssa	Colchester	VT	
Gardner	Andrew	New Sharon	ME	
Gardner	Faith	Walpole	NH	
Gardner	Ryan	Brewer	ME	
Garfield	Jeffrey	Lowell	ME	
Garland	Roy	Scarborough	ME	
Garner	Emma	Sandown	NH	
Gartley	Jared	South China	ME	
Gavner	Lydia	Colchester	CT	
Gaynor	Joseph	Sandown	NH	
Gayton	Dominic	Calais	ME	
Gayton	Kayla	Sabattus	ME	
Gebhart	Jake	Cranston	RI	
Genenbacher	Lauren	Yorkville	IL	
Genthner	Brianna	Damariscotta	ME	
German	Laurine	South Portland	ME	

Gernhard	Maddy	Spring	TX	
Gerow	Kennedy	Glenburn	ME	
Gervais	Mikki	Sabattus	ME	
Gervais	Ryan	Jewett City	CT	
Getchell	Dylan	Mount Vernon	ME	
Giffault	Paige	Stonington	CT	
Giggey	Thomas	Bowdoin	ME	
Giglio	Mary	Falmouth	ME	
Giguere	Arianna	Westbrook	ME	
Gilbert	Matt	North Waterboro	ME	
Gilboe	Austin	Orono	ME	
Gillert	Nick	Orono	ME	
Gillespie	Ethan	Cape Elizabeth	ME	
Gilmore	Alli	Barrington	RI	
Gilmore	Emily	Holden	ME	
Girgis	Jacob	Madison	ME	
Giroux	Anna	Westbrook	ME	
Gisler	Sarah	Lansing	NY	
Glass	Ryan	Topsham	ME	
Glatter	Ella	Houlton	ME	
Glatter	Sarah	Houlton	ME	
Gleason	Devon	Winslow	ME	
Gleason	Kyle	Sidney	ME	
Glick	Joshua	Longmeadow	MA	
Glidden	Abbie	Lee	ME	
Godbout	Nathan	Hebron	ME	
Godin	Melodie	Orono	ME	
Goldman	Anya	Minnetonka	MN	
Goldsmith	Matt	Phillipsburg	NJ	
Gonyea	Keely	Hermon	ME	
Gonzales	Lorenzo	Fresno	TX	
Goodale	Kyle	Wells	ME	
Goodenough	Bryant	Eliot	ME	

Goodenough	Turner	Eliot	ME	
Goodman	Nathan	Newmarket	NH	
Goodwin	Kiana	Beaver Cove	ME	
Goodwin	Mikaela	Franklin	ME	
Gordon	Jeffrey	Jay	ME	
Gordon	Rochelle	Horseheads	NY	
Goss	Jenna	Waterville	ME	
Gosselin	Brandon	Augusta	ME	
Gosselin	Luke	Saco	ME	
Gotschlich	Colin	Gorham	ME	
Gotsiridze	Luka	Batumi		Georgia
Gottwalt	Catherine	Mound	MN	
Gould	Antyna	Washington	ME	
Goulding	Jennifer	Groton	MA	
Goulette	Spencer	York	ME	
Gower	Rachel	Winterport	ME	
Grady	Faith	Lewiston	ME	
Graham	Grace	Cary Plantation	ME	
Graham	Jason	Charlton	MA	
Graham	Vanessa	Bangor	ME	
Gramse	Matthew	Falmouth	ME	
Gramse	Mike	Falmouth	ME	
Grant	Alli	Berwick	ME	
Grant	Camden	Orono	ME	
Grant	Loren	Moscow	ME	
Grantham-Coogan	Noah	North Providence	RI	
Graves	Brianna	Hermon	ME	
Graves	Katharine	Hermon	ME	
Gray	Anthony	Orono	ME	
Greaves	Fiona	Norfolk	MA	
Greco	Cliff	Greene	ME	
Green	Adam	Bangor	ME	
Green	Adam	Winslow	ME	

Green	Kendra	Old Town	ME	
Green	Sydney	Manchester	ME	
Greenlee	Aidan	Cumberland Center	ME	
Greenlee	Liam	Cumberland Center	ME	
Greenwood	Luke	Livermore	ME	
Gresh	Jack	Windham	ME	
Greystone	Garrett	Andover	MA	
Grice	Samantha	Gardner	MA	
Griffin	Avry	Bethel	ME	
Griffin	Hanna	Windham	ME	
Griffin	Joe	Middleton	MA	
Griffin	Morgan	Berwick	ME	
Griffin	Sara	Parlin	NJ	
Griffith	Matthew	Parkman	ME	
Griffiths	Sarah	Newton	NJ	
Grob	Ashley	Westwood	NJ	
Groening	Patrick	Belfast	ME	
Grondin	Noah	Yarmouth	ME	
Groom	Kaycie	Peabody	MA	
Gross	Aubrie	Mapleton	ME	
Grover	Hayle	Swanville	ME	
Gu	Tony	Shanghai		China
Guarnieri	Lucy	Belgrade	ME	
Gudde	Madeline	Caribou	ME	
Guibord	Luke	Scarborough	ME	
Guimond	Andrew	Orono	ME	
Guimond	Dominic	Portland	ME	
Gundermann	Sara	Palmyra	PA	
Gurney	Hailey	Pittsfield	ME	
Gurney	Random	Rumford	ME	
Gurschick	Karl	Bangor	ME	
Gutheinz	Izzy	Camden	ME	
Guy	Brianna	Orono	ME	

Haas	Derek	Old Town	ME	
Haberstick	Julia	Gorham	ME	
Hadley	Jordan	Madison	ME	
Hagaman	Mykayla	Melbourne	FL	
Hagarman	Sydney	Bangor	ME	
Hakala	Jared	Keene	NH	
Hale	Glenice	Bangor	ME	
Hale	Michelle	Monmouth	ME	
Haley	Alyson	Hudson	MA	
Haley	Casco	Amherst	ME	
Hall	RJ	Cushing	ME	
Hallett	Dylan	Bangor	ME	
Halliday	Jason	Topsham	ME	
Hallowell	Sydney	Cape Elizabeth	ME	
Halvorsen	Johan	Guilford	ME	
Hamilton	Jared	Ellsworth	ME	
Hamilton	Jess	Worcester	MA	
Hamilton	Josh	Alton	ME	
Hamm	Taylor	Orono	ME	
Hammes	Tess	Millersville	PA	
Hammond	Brooke	Frankfort	ME	
Hammond	Sarah	Auburn	ME	
Hanafin	Thomas	Burlington	MA	
Hancock	Ryan	Moyock	NC	
Haney	Megan	Hudson	ME	
Hanks	Lily	Hopkinton	MA	
Hanley-Miller	Annie	Durham	NH	
Hanlon	Madeline	North Smithfield	RI	
Hanscom	Darren	Orrington	ME	
Hansen	Jens	Augusta	ME	
Hanson	Paige	Fairfield	ME	
Harakles	Lila	Lyman	ME	
Hargreaves	Abby	Concord	CA	

Hargrove	Hannah	Sidney	ME	
Harlan	Brendan	Old Orchard Beach	ME	
Harling	Mitchell	Durham	NH	
Harman	Grace	Veazie	ME	
Harmon	Natalie	Fayette	ME	
Harmon	Rachel	Houlton	ME	
Harmon	Sierra	Winslow	ME	
Harper	Josie	Maxfield	ME	
Harriman	Emily	Belfast	ME	
Harriman	Jw	Orrington	ME	
Harrington	Kayla	Pelham	NH	
Harrington	Raegan	Old Town	ME	
Harris	Bethany	Bangor	ME	
Harris	Dorothy	Sinclair	ME	
Harris	Justin	South China	ME	
Harrison	Leah	Freeport	ME	
Hartt	Dale	Veazie	ME	
Hartwell	Abigail	Billerica	MA	
Harvey	Ryan	Cape Elizabeth	ME	
Hase	Niklas	Buxton	ME	
Hashmi	Fazeel	Veazie	ME	
Haskell	Dylan	West Baldwin	ME	
Haskell	Shelby	Hartland	ME	
Haskell	Victoria	Bangor	ME	
Hatch	Pete	Acton	MA	
Haverly-Johndro	Brody	Newport	ME	
Hawksley	Allison	Rockland	ME	
Hayden	Jessica	Milford	ME	
Hayes	Emily	Auburn	ME	
Hayes	Kaylee	North Waterboro	ME	
Haynes	Juliana	Rockport	ME	
Hayward	Tucker	Bethel	ME	
Hazlewood	Jaclyn	Westbrook	ME	

Healy	Maggie	Portland	ME	
Hebert	Evan	Madawaska	ME	
Heffernan	Courtney	Biddeford	ME	
Hegarty	David	Limington	ME	
Heikkinen	Aiden	Paris	ME	
Helinski	Mina	Whitinsville	MA	
Helman	Emma	Wilton	CT	
Henderson	Ashlie	Bangor	ME	
Henderson	Jessup	Old Town	ME	
Henry	Larissa	Glen Gardner	NJ	
Hepler	Irja	Orono	ME	
Herbert	Alex	Westbrook	ME	
Hernandez	Nathaniel	Auburn	ME	
Hersey	Sydney	Scarborough	ME	
Hersey	Tyler	Brewer	ME	
Hess	Katie	Danville	PA	
Hetherington	Kieley	Harpswell	ME	
Hichens	Emma	Eliot	ME	
Hicks	Mary	Hallowell	ME	
Higgins	Alex	Skowhegan	ME	
Higgins	Madi	Glenburn	ME	
Hill	Alexandria	Millis	MA	
Hill	Ethan	Old Town	ME	
Hillery	Caitlin	Glenburn	ME	
Hillis-Jesiolowski	Jessica	Hampden	ME	
Hills	Olivia	Searsmont	ME	
Hilton	Jason	Mercer	ME	
Ho	Dylan	Westbrook	ME	
Hobbs	Rachel	Hampden	ME	
Hodge	Emma	East Hampstead	NH	
Hodous	Dorothy	Round Pond	ME	
Holesinsky	Adrian	Orono	ME	
Holmberg	David	Orono	ME	



Holmes	Angela	Brooks	ME	
Holmes	Kailey	Eddington	ME	
Holmes	Kaya	Westminster	MD	
Holz	Jessica	Orono	ME	
Hope	Jenna	West Enfield	ME	
Hopkins	Cari	Augusta	ME	
Hornblower	Max	Portland	ME	
Hornsby	Jamie	North Attleboro	MA	
Horovitz	Jane	Washington	ME	
Horr	Ellie	Brewer	ME	
Horton	Illia	Frankfort	ME	
Horton	Molly	North Yarmouth	ME	
Horton	Skyler	Lancaster	PA	
Hoskins	Devin	Topsham	ME	
Houdlette	Taylor	Dresden	ME	
House	Scott	Sanford	ME	
Howe	Abigail	Southwick	MA	
Howe	David	Stow	MA	
Howell	Megan	Mount Desert	ME	
Howell	Sydney	Ludlow	ME	
Howes	Andrew	Bangor	ME	
Howes	Lanie	Orono	ME	
Howes	Megan	Hermon	ME	
Hubbard	Arthur	Augusta	ME	
Hubby	Claire	Chanhassen	MN	
Huck	Connor	Yarmouth Port	MA	
Hudock	Alexy	North Berwick	ME	
Huff	Jim	Sullivan	ME	
Hughes	Chelsea	Scarborough	ME	
Hughes	Mariah	Dexter	ME	
Hughes	Rei	Philadelphia	PA	
Hugo-Vidal	Virginia	Buxton	ME	
Hulme	Shalimar	Tewksbury	MA	

Humphrey	Bethany	Deer Isle	ME	
Hunt	Benjamin	Corea	ME	
Hunt	Ella	Gloucester	MA	
Hunt	Kimberly	Corea	ME	
Hunter	Michael	Caribou	ME	
Huo	Emily	Biddeford	ME	
Hurley	Pat	Medford	NJ	
Hussey	Karah	Old Town	ME	
Huston	Ben	Hampden	ME	
Hutchins	Andrew	Alna	ME	
Hutchins	Dakota	Fairfield	ME	
Hutchins	Kaine	Dixfield	ME	
Hutchinson	Courtney	Bangor	ME	
Hutchinson	Emma	Topsham	ME	
Hutchinson	Jessica	Canterbury	NH	
Hutchinson	Jessie	Wilton	ME	
Hyde	Courtney	Veazie	ME	
Iasenytska	Iaryna	Kyiv		Ukraine
Imdicke-King	Jane	Denmark	ME	
Imperato	Noah	Brunswick	ME	
Ingalls	Colin	Bowdoin	ME	
Ingalls	Rachel	Hermon	ME	
Ingle	Joe	Alexandria	VA	
Inglis	Nicole	Medfield	MA	
Ingram	Matt	Winthrop	ME	
Irvine	Abigail	Brewer	ME	
Islam	Seentia	Falls Church	VA	
Ismail	Lauren	Glenburn	ME	
Jack	Simaiya	Taunton	MA	
Jackson	Carly	Amherst	NS	Canada
Jackson	Maddy	Old Town	ME	
Jackson	Randy	Sussex	NJ	
Jacques	Miranda	Manchester	NH	

Jakins	Jordin	Pittsfield	ME	
Jakubowski	Alex	Hydeville	VT	
James	Matthew	South Weymouth	MA	
Jameson	Mitchell	Bangor	ME	
Jamison	Caitlyn	Villas	NJ	
Jammeh	Mandy	Brewer	ME	
Jandreau	Emma	Caribou	ME	
Jarosz	Adam	Brusnwick	ME	
Jasenski	Jessica	Tolland	CT	
Jaszay	Ciarra	Howland	ME	
Jenkins	Jordan	Greenville	RI	
Jenkins	Lily	New Canaan	CT	
Jennings	Leah	Holden	ME	
Jennings	Sam	Wilmington	MA	
Jermyn	Justin	New York	NY	
Jerome	Eva	Orono	ME	
Jewell	Caleb	South Paris	ME	
Jiang	Evan	Orono	ME	
Jiang	Guanyu	Orono	ME	
Jiang	Qikai	Shanghai		China
Jin	Xiang	Lianyungang		China
Jipson	Kaylee	Auburn	ME	
Jobe	Devon	Frederick	MD	
Jodoin	Kaitlyn	Gorham	ME	
Johanson	Chris	Mariaville	ME	
Johnson	Alexandra	Milwaukee	WI	
Johnson	Alissa	Groton	MA	
Johnson	Chris	Veazie	ME	
Johnson	Claudia	Islesboro	ME	
Johnson	Dean	Springvale	ME	
Johnson	Michael	Nashua	NH	
Johnson	Morgan	Bowdoinham	ME	
Johnson	Rachel	South Thomaston	ME	

Johnson	Sam	Mount Desert	ME	
Johnston	Amber	Thomaston	ME	
Johnston	Olivia	Dixfield	ME	
Jolliffe	Emily	Searsmont	ME	
Jonasson	Chloe	Rockland	ME	
Jones	Caleb	Waitsfield	VT	
Jones	Jamie	Bangor	ME	
Jones	Quinn	Cape Elizabeth	ME	
Jordan	Abe	Scarborough	ME	
Jordan	Jacob	Ellsworth	ME	
Jordan	Nate	Scarborough	ME	
Jordan	Nicholas	Waltham	ME	
Jorge	Maddie	Ayer	MA	
Josselyn	Courtney	Mechanicsburg	PA	
Jourdain	Emma	Becket	MA	
Joyce	Reilley	Westbrook	ME	
Judkins	Jordyn	Deer Isle	ME	
Jurson	Courtney	Houlton	ME	
Juster	Sarah	East Blue Hill	ME	
Kaiser	Alexandra	Cinnaminson	NJ	
Kanagy	Victoria	Old Town	ME	
Kane	Josh	Gray	ME	
Kane	Kat	Falmouth	ME	
Kaplan	Stephen	South Berwick	ME	
Karam	Abram	Bangor	ME	
Karam	Gabriel	Bangor	ME	
Karim	Abdullah	Saco	ME	
Karparis	Dan	Plympton	MA	
Karunasiri	Chathu	Caribou	ME	
Kaufman	Mia	Gorham	ME	
Kauppila	Wesley	Newburgh	ME	
Keaton	Joanna	North Reading	MA	
Keegan	Colleen	Kennebunk	ME	

Keene	Paisley	Poland	ME	
Keim	Summer	Dixfield	ME	
Keisman	Lauren	South Paris	ME	
Kelley	Adam	Windham	ME	
Kelley	Brian	Windham	ME	
Kelley	Grace	Winfield	IL	
Kelley	Jordan	Old Town	ME	
Kemble	Peter	Bangor	ME	
Kempkes	Pierce	Gardiner	ME	
Kenison	Matt	Topsham	ME	
Kennedy	Evan	Morrill	ME	
Kennedy	Nicole	Greenbush	ME	
Kenney	Alex	Scituate	MA	
Kern	Ryan	Standish	ME	
Kersey	Michael	Weld	ME	
Kershner	Noah	Newport	ME	
Keur	Nina	Naarden		Netherlands
Keydel	Oscar	South Burlington	VT	
Khan	Omar	Brewer	ME	
Khan	Rukhsar	Bangor	ME	
Khiyara	Ines	Crisnee		Belgium
Kiely	Matt	Mansfield	MA	
Kieu	Khoa	Da Nang		Viet Nam
Kilpatrick	Harrison	Limestone	ME	
Kincaid	Jonathan	Orrington	ME	
King	Andrew	South Hadley	MA	
King	Brittany	Eliot	ME	
King	Courtney	Augusta	ME	
King	Dylan	Uxbridge	MA	
King	Jess	Fairfax	VT	
King	Sam	Fairfield	ME	
Kingman	Bailey	Wilmington	MA	
Kirk	Katherine	Scarborough	ME	

Klebon	Kat	Old Town	ME	
Klein	Eric	Amherst	MA	
Klier	Klarissa	Methuen	MA	
Klimkofski	Kirstin	Sandown	NH	
Klingner	Lukas	Farmington	CT	
Knapp	Andrea	Sullivan	ME	
Knarr	Derek	Old Town	ME	
Knowles	Joseph	Topsham	ME	
Knowlton	Natalie	Deer Isle	ME	
Koehler	Hannah	Alburtis	PA	
Kohler	Katie	York	ME	
Kohtala	Hope	Mechanic Falls	ME	
Kolenovic	Deanna	Montclair	NJ	
Kolesnikova	Elena	Old Town	ME	
Kollman	Reggie	Bangor	ME	
Konitzer	Bridget	Ipswich	MA	
Kontio	Emily	Hermon	ME	
Kosmin	Stephanie	North Chelmsford	MA	
Kotfila	Corey	Orono	ME	
Kowash	Michael	Saco	ME	
Krause	Thomas	Fort Fairfield	ME	
Kreider	Colby	Palmyra	ME	
Kriebisch	Annalena	Hennef		Germany
Krull	Alexis	Bucksport	ME	
Krull	Jacob	Westbrook	ME	
Kucia	Jackie	Rehoboth	MA	
Kuhlka	Birgit	Northfield	MA	
Kuhn	Michaela	Holtsville	NY	
Kukk	Kora	Brookfield	CT	
Kulinski	Anna	Monmouth	ME	
Kurmin	Andrew	Marshfield	MA	
Kutzinski	Kira	Buende		Germany
L'Heureux	Allison	Springvale	ME	

Labelle	Makayla	Bangor	ME	
Labun	Mike	Hampden	ME	
LaCombe	Zach	Standish	ME	
Lacorazza	Auden	Norwell	MA	
Ladd	Mackenzie	Bangor	ME	
Ladstatter	Kate	Saunderstown	RI	
Lafontaine	Sarah	Greene	ME	
LaFrance	Joanna	Alfred	ME	
LaFrance	Sophia	Alfred	ME	
Lagerstrom	Emily	Presque Isle	ME	
Lagerstrom	Lindsey	Presque Isle	ME	
LaGross	Ryan	Palmyra	ME	
Lamb	Jada	Poland	ME	
Lambert	Parker	Orono	ME	
Lambrecht	Mark	Kittery Point	ME	
Lammers Lisnet	Natalie	Bangor	ME	
Lamonica	Bria	Blackwood	NJ	
Lamoureux	Briana	Kittery	ME	
Lamphear	Wes	Inlet	NY	
Lander	Meg	Orrington	ME	
Lane	Anna	York	ME	
Lane	Chantel	Old Town	ME	
Langley	Austin	Freeport	ME	
Langlois	Connor	Scarborough	ME	
LaPanne	Cody	East Weymouth	MA	
Laperle	John	Berlin	VT	
LaPlante	Noah	Milford	ME	
Lapointe	Brandon	Skowhegan	ME	
LaPointe	Dani	Sebago	ME	
Lappin	Olivia	Scarborough	ME	
Larence	Ciara	Northbridge	MA	
Largay	Bryce	Brewer	ME	
Lariviere	Scott	Reading	VT	

LaRochelle	Haley	Brooks	ME	
Larochelle	Katherine	Brewer	ME	
LaRosa	Talie	Longwood	FL	
Laskey	Sarah	Southington	CT	
Laspina	Kai	Islip	NY	
Laszlo	Cheyenne	Woodland	ME	
Latario	Sarah	Groton	MA	
Latendresse	Colette	Winslow	ME	
Later	Katie	Winterport	ME	
Laurita	Henry	Hope	ME	
LaValley	Elizabeth	Greenfield	MA	
Laverdiere	Amanda	Orono	ME	
Laverdiere	Lexi	Old Town	ME	
Lavertu	Sarah	Frenchville	ME	
Lavigueur	Beatrix	Newport	RI	
Lavoie	Brianna	Detroit	ME	
Lavoie	Lydia	Winthrop	ME	
Lavoie	Lyndsey	Van Buren	ME	
Lavoie	Matthew	Wells	ME	
Lavway	Ryan	Mapleton	ME	
Lawrence	Haley	Ellsworth	ME	
Lawrence	Matt	Topsham	ME	
Lawrence	Rusty	South Thomaston	ME	
Lawson	Mitchell	Bethlehem	PA	
Le	Jasmin	Lisbon	ME	
Leary	Benjamin	Saco	ME	
Leasure	Bristyn	Scarborough	ME	
Leavitt	Samuel	Brunswick	ME	
LeBlanc	Tom	Westbrook	ME	
Leclerc	Nick	Camden	ME	
Lee	Andrew	East Waterboro	ME	
Lee	Spencer	Greenville Junction	ME	
Leeman	Jenah	Orono	ME	



Lees	Charles	Saco	ME	
Legere	Jenna	Milford	ME	
Leider	Sydney	Oceanside	NY	
Leighton	Arthur	Stockton Springs	ME	
Leighton	Wendy	Monmouth	ME	
Lemoine	Owen	Saco	ME	
Lenfest	Lucas	Smithfield	ME	
Lengyel	Maddison	South Portland	ME	
Leonard	Jacqueline	Bradley	ME	
Leonard	Sarah	Brewster	MA	
Leonard	Sydney	Madison	WI	
Lesko	Dan	Farmington	ME	
Lessard	Ethan	Gray	ME	
Lessard	Susan	Bucksport	ME	
Leung	Holly	Brooklyn	NY	
Lever	Brooke	Auburn	ME	
Levesque	Christine	Brewer	ME	
Levesque	Savannah	Veazie	ME	
Levy	Ethan	Saco	ME	
Lewia	Michaela	Skowhegan	ME	
Lewis	Lenora	Portland	ME	
Lewis	Lindsey	Washington	ME	
Leydon	Connor	Kingston	MA	
Li	Guang	Bangor	ME	
Libby	Alyssa	Buxton	ME	
Libby	Freddy	Dover Foxcroft	ME	
Libby	Sadie	Skowhegan	ME	
Libby	Tom	Camden	ME	
Libby	Zac	Milford	ME	
Lieber-Bendix	Ailin	Jamesville	NY	
Liedtka	Claire	San Antonio	TX	
Ligon	Stella	Hancock	ME	
Lilley	Tessa	Hampden	ME	

Lima	Kyle	Ellsworth	ME	
Limewood	Alexyss	Bonaire	GA	
Lin	Enoch	Zhangzhou		China
Lin	Hua	Portland	ME	
Lindsley	Tessa	Bath	ME	
Link	Gabby	Bar Harbor	ME	
Linkletter	Zachary	Athens	ME	
Littlefield	Monica	Bangor	ME	
Livingston	Makayla	Danville	NH	
Loc	Tom	South Portland	ME	
Locke	Emma	Hudson	MA	
Logan	Abby	Buxton	ME	
Logston	Caitlin	Moose River	ME	
Long	Jordyn	Limington	ME	
Loper	Kelton	Norway	ME	
Lopes	Katie	Waterville	ME	
Lounder	Olivia	Otis	ME	
Loveless	Noah	Cumberland Center	ME	
Lovering	Alyssa	North Yarmouth	ME	
Lovley	Cassidy	Fort Kent	ME	
Lovley	Jamie	Owls Head	ME	
Lowell	Ethan	Scarborough	ME	
Lowry	Heather	Alstead	NH	
Lucas	Karissa	Readfield	ME	
Luce	Matt	Brewer	ME	
Lueders	Emma	Canton	ME	
Lunt	Chloe	Greenfield	MA	
Luo	Ning	Brewer	ME	
Lust	Thomas	New Providence	NJ	
Lynch	Danielle	Burlington	MA	
Lynch-Greenberg	Kevin	Marblehead	MA	
Lynn	Josh	Wilbraham	MA	
MacAdam	Noah	Orono	ME	

Macaulay	Madeleine	Mount Desert	ME	
MacDonald	Davis	Westbrook	ME	
MacFarlane	Olivia	Plymouth	MA	
MacGregor	Molly	Peabody	MA	
Machesney	Leala	Feeding Hills	MA	
Machia	Evalyn	Brookfield	CT	
Mackay	Finn	Carrabassett Valley	ME	
MacLellan	Lia	Wareham	MA	
MacMillan	Ben	Freeport	ME	
MacNeil	Morgan	Bridgton	ME	
Macolini	Kate	Wells	ME	
MacVane	William	Sykesville	MD	
Madden	Kayla	Greenbush	ME	
Madden	Patrick	Washington	ME	
Maddix	Hannah	Saco	ME	
Magill	Carolyn	North Attleboro	MA	
Magnano	Sal	Southington	CT	
Magnuson	Erica	South Portland	ME	
Magnuson	Erin	Ellington	CT	
Mahaleris	Nina	Orono	ME	
Maheu	Maegan	Waterville	ME	
Mahoney	Ashley	Hampden	ME	
Malone	Meghan	Stoneham	MA	
Malpica	Henry	North Haledon	NJ	
Maltby	Megan	Chatham	NJ	
Malvin	Jenna	Blue Hill	ME	
Manfra	Marco	Scarborough	ME	
Mann	Rick	Bowdoinham	ME	
Mao	Shuhan	Voluntari		Romania
Marchio	Jacob	Opelika	AL	
Marcotte	Sarah	Bangor	ME	
Marcoux	Leah	Bangor	ME	
Margerison	Heather	Durham	ME	

Marshall	Charles	White Hall	MD	
Marshall	Ennis	Little Deer Isle	ME	
Marston	Caleb	South Portland	ME	
Marston	Cassidy	Hollis Center	ME	
Martel	Marissa	Portland	ME	
Martin	Brea	Winslow	ME	
Martin	Jeanne	Salisbury	MA	
Martin	Josh	Farmington	CT	
Martin	Lauren	Bradley	ME	
Martin	McKenna	Midlothian	IL	
Martin	Rebekkah	Hampden	ME	
Martin	Sarah	Sidney	ME	
Martin	Seth	Windham	ME	
Martin	Tenny	Bangor	ME	
Martin-Cooney	Ben	Skowhegan	ME	
Martinson	Owen	Portland	ME	
Mascarenhas	Cassandra	Mississauga	ON	Canada
Mason	Asher	Orono	ME	
Mason	Ashley	New Harbor	ME	
Massaad	Patrick	Machiasport	ME	
Masse	Libbey	Brunswick	ME	
Mathieu	Alissa	Orono	ME	
Mathieu	Ashley	Greene	ME	
Mathieu	Ethan	Sanford	ME	
Mathisen	Sam	Elmore	VT	
Matson	Kate	Englewood	CO	
Matteau	Alyson	Mirabel	QC	Canada
Matteucci	Samantha	East Helena	MT	
Matula	Kensi	Albion	ME	
Maurer	Jon	Old Town	ME	
Maxsimic	Katie	Kingfield	ME	
Maxsimic	Maria	Holden	ME	
Maxwell	Mallory	Lee	ME	

May	Miriam	Dennis	MA	
Mayers	Victoria	Woonsocket	RI	
Mayo	Alex	Cape Neddick	ME	
Mayo	Douglas	Bridgton	ME	
Mazurek	Alexis	Rockland	ME	
Mazzitelli	Mercedes	Salem	MA	
McAlary	Hannah	Saco	ME	
McAllister	Justin	Carmel	ME	
McCallister	Sarah	Stratham	NH	
McCaslin	Hunter	Winslow	ME	
McCluskey	Connor	Orono	ME	
McCluskey	Leah	Seymour	CT	
McConnell	Erin	Ellington	CT	
McCurdy	Anna	Lawrence	KS	
McDaid	Connor	Melrose	MA	
McDermet	Tim	Mount Laurel	NJ	
McDermott	Sydney	Lake Stevens	WA	
McDermott	Wyatt	Wells	VT	
McDevitt	Thomas	Nahant	MA	
McDonough	Bryson	Bangor	ME	
McEwen	Jordie	Blue Hill	ME	
McFadden	Katelynn	Bensalem	PA	
McGillivray	Megan	Regina	SK	Canada
McGilvery	Reilly	North Berwick	ME	
McGlynn	Alyssa	Westwood	NJ	
McGlynn	Erin	Buxton	ME	
McGovern	Robert	South Weymouth	MA	
McGrath	Liz	East Weymouth	MA	
McGrath	Nicole	Old Town	ME	
McGraw	Ryan	Hampden	ME	
McGuire	Caitlin	Shelton	CT	
McInnis	Tim	Portland	ME	
Mcintyre	Duncan	Lincoln	ME	

McKendry	Elise	Long Pond Township	ME	
McKenney	Sydney	Hampden	ME	
McKeon	Daniel	Searsport	ME	
McKim	Miranda	Trenton	ME	
McKinney	Tracey	Belfast	ME	
McLaughlin	Ben	Manchester	ME	
McLaughlin	Dawson	Houlton	ME	
McLaughlin	Emily	Hudson	MA	
McLaughlin	Kacie	Millinocket	ME	
McLaughlin	Kalee	Old Town	ME	
McLaughlin	Mark	Manchester	ME	
McLaughlin	Marshall	Augusta	ME	
McLeod	Kasey	Swanville	ME	
McLeod	Ryann	Rutland	VT	
McMillan	Anna	Brunswick	ME	
McMorrow	Katie	Rockport	ME	
McNally II	Jeff	Gorham	ME	
McNamara	Liam	Wayne	ME	
McNutt	Nate	Norway	ME	
Meade	Julia	Skowhegan	ME	
Meador	Sydney	Boothbay Harbor	ME	
Mehuren	Sadee	Searsmont	ME	
Melanson	Sierra	Lewiston	ME	
Mellors	Evie	Ware		United Kingdom
Menter	Alex	Berwick	ME	
Merchant	Erin	Windham	ME	
Merchant	Hunter	Northport	ME	
Merchant	Taylor	Franklin	ME	
Mercier	Katie	Sidney	ME	
Mercier	Lauren	Sidney	ME	
Meredith-Pickett	Sydney	Cumberland Center	ME	
Merriam	Nick	Brooks	ME	
Merrifield	Hilary	Rockport	ME	

Merrill	Kaelie	Norridgewock	ME	
Merrow	Devin	Rumford	ME	
Merrow	Kevan	South Portland	ME	
Meserve	Arianna	South Paris	ME	
Messer	Charlotte	Rockport	ME	
Messerman	Taylor	Brunswick	ME	
Mette	Laina	Orono	ME	
Meuse	Zach	Atkinson	NH	
Meyer-Waldo	Sarah	West Bath	ME	
Michaud	Robert	Orono	ME	
Michaud	Sahvannah	Hermon	ME	
Michaud	Sawyer	Belgrade	ME	
Michienzi	Haley	New Vineyard	ME	
Mickelson	Sean	Glen Carbon	IL	
Mickiewicz	Jackman	South Portland	ME	
Milan	Olivia	Brewer	ME	
Mild	Owen	Bernard	ME	
Mildrum	Kali	Falmouth	ME	
Miles	Bethany	Old Town	ME	
Millan-Modia	Blanca	A Coruna		Spain
Miller	Abbe	Bar Harbor	ME	
Miller	Cassie	Pittsfield	ME	
Miller	Dylan	Auburn	ME	
Miller	Makayla	Bangor	ME	
Miller	Michelle	Bangor	ME	
Miller	Shane	Orono	ME	
Miner	Jordan	East Baldwin	ME	
Minor	Josh	Westbrook	ME	
Mitchell	Audrey	York	ME	
Mitchell	Sarah	Camden	ME	
Mix	Marlana	Orono	ME	
Mohamed	Abdel	Haledon	NJ	
Molinero	William	Bangor	ME	

Molt	Logan	Orono	ME	
Mondor	Cameron	Saco	ME	
Monroe	Mabel	South Thomaston	ME	
Monteyro	Braden	Pittsfield	ME	
Monto	Noah	Sanford	ME	
Montroy	Paul	Hubbardsville	NY	
Moody	Adam	Lewiston	ME	
Moody	Bri	Mattawamkeag	ME	
Moody	Elizabeth	Chelmsford	MA	
Mooers	Patric	Lincolnville	ME	
Moore	Ben	Westford	MA	
Moran	Andrew	Randolph	ME	
Moran	Brennen	Orono	ME	
Moran	Katie	Glenmont	NY	
Morgan	Cara	Milford	ME	
Morin	Allison	Parkman	ME	
Morin	Austin	Belmont	MA	
Morin	Chad	Turner	ME	
Morin	Charis	Parkman	ME	
Morin	Mikayla	Gray	ME	
Morin	Trevor	Scarborough	ME	
Morneault	Maddy	Winslow	ME	
Morneault	Sarah	Mapleton	ME	
Morrill	Aidan	Kittery	ME	
Morrill	Coulter	Gainesville	VA	
Morrill	Haley	Rangeley	ME	
Morrill	Jason	Saco	ME	
Morrison	Blake	Ebeemee Township	ME	
Morrison	Kara	Blue Hill	ME	
Morrison	Tian	Springvale	ME	
Morrissey	Liam	New Boston	NH	
Morse	Michael	Old Town	ME	
Morse	Sam	Bangor	ME	



Morton	Kaeleigh	Yarmouth	ME	
Moseley	Kody	North Berwick	ME	
Moulton	Emma	Ipswich	MA	
Moutal	Hannah	Topsham	ME	
Muchemore-Allen	Steele	West Newfield	ME	
Muir	Mark	Hudson	ME	
Mulvey	Chris	Wappingers Falls	NY	
Mundinger	Stephen	Smithtown	NY	
Munro-Ludders	Eli	Bath	ME	
Munson	Jennifer	Springfield	ME	
Murchison	Alex	Caribou	ME	
Murchison	Carrie	Orono	ME	
Murdaugh	Kayla	Old Town	ME	
Murdaugh	Shaina	East Machias	ME	
Murphy	Becca	Medway	MA	
Murphy	Cassidy	Willow Grove	PA	
Murphy	Connor	Atkinson	NH	
Murphy	Drew	Bangor	ME	
Murphy	Joey	Norwalk	CT	
Murphy	Olivia	Hudson	NH	
Murphy	Rachael	Old Town	ME	
Murphy	Shannon	South Portland	ME	
Murray	Lydia	Orono	ME	
Murray	Theresa	Burlington	MA	
Muscat	Abigail	Bass Harbor	ME	
Myers	Estella	Orono	ME	
Myers	Kyle	Brighton	MI	
Nadeau	Hannah	Litchfield	ME	
Nadeau	Kaitlyn	Caribou	ME	
Nadeau	Kassie	Vassalboro	ME	
Nagle	Henry	Bangor	ME	
Naglestad	Beate	Son		Norway
Nagy	Jason	Orono	ME	

Naisbitt	Maya	Blue Hill	ME	
Nason	Alex	Cumberland Foreside	ME	
Neal	Garrett	Lincoln	ME	
Neil	Sam	Mattawamkeag	ME	
Nelson	Cooper	Dover Foxcroft	ME	
Neptune	Leigh	Indian Island	ME	
Newton	Doug	Marshfield	MA	
Newton	Kiana	Littleton	NH	
Nguie	Gil	Orono	ME	
Nichols	Sarah	Brentwood	NH	
Nichols	Stephanie	Windham	ME	
Niehoff	Erin	Blue Hill	ME	
Nightingale	Lauren	Bangor	ME	
Nisbet	Leanne	Swampscott	MA	
Nitchman	Bryce	Scarborough	ME	
Nixon	Julia	Wells	ME	
Noble	Uriah	Sanford	ME	
Nolan	Alison	Waldoboro	ME	
Nolan	Andrew	New Rochelle	NY	
Normand	Jamie	Orono	ME	
Norris	Emily	Orrington	ME	
Novak	Sadie	Hampden	ME	
Noyes	Tavia	Gardiner	ME	
Nugent	Hannah	Sloatsburg	NY	
Nuttall	Sabrina	Old Town	ME	
Nygaard	Aubree	Old Town	ME	
O'Brien	Liam	Oxford	CT	
O'Brien	Peter	Eliot	ME	
O'Brien	Terence	Eliot	ME	
O'Dowd	Kelly	Millis	MA	
O'Grady	Shannon	Hopewell	NJ	
O'Malley	Clíodhna	Stockport		United Kingdom
O'Neil	Will	Orono	ME	

O'Rourke	Maddie	Richmond	VA	
Oakes	Niki	Brewer	ME	
Oakley	Sarah	South Berwick	ME	
Oberly	Brody	Stewartsville	NJ	
Oehler	Morgan	Elkridge	MD	
Oliver	Noah	Westbrook	ME	
Olmstead	Emma	Veazie	ME	
Olmsted	Billy	Warren	ME	
Olsen	Amanda	Columbus	OH	
Olski	David	Sherborn	MA	
Olson	Ethan	Austin	TX	
Olver	Thomas	Winterport	ME	
Oosten	Johan	Kennebunk	ME	
Orach	Ethan	Gorham	ME	
Ordway	Seth	New Gloucester	ME	
Ormiston	Cate	Wakefield	RI	
Orne	Katherine	Camden	ME	
Osborne	Annabelle	Hermon	ME	
Oswald	Adelle	Peru	ME	
Ouellette	Chantal	Ellsworth	ME	
Ouellette	Jarid	Bristol	CT	
Outwater	Timothy	Millbrook	NY	
Overturf	Kaj	Corinth	ME	
Overturf	Maija	Corinth	ME	
Overturf	Tuuli	Corinth	ME	
Owens	Dylan	Greenville Junction	ME	
Oxley	Cameron	Holden	ME	
Oyugi	Joshua	Orono	ME	
Pacent	Jack	Cumberland Foreside	ME	
Pacheco	Carissa	Saint Albans	ME	
Paetow	Sabrina	Topsham	ME	
Page	Lauren	Scarborough	ME	
Paliwoda	Ryan	Berkeley Heights	NJ	

Palmer	Kylie	Dixfield	ME	
Palmer	Mikayla	West Gardiner	ME	
Palmeter	Josh	Orono	ME	
Panico	Miranda	Scarborough	ME	
Paradie	Emma	Auburn	ME	
Paradis	Alex	New Canada	ME	
Paradis	Megan	Old Town	ME	
Parent	Isabel	Hamlin	ME	
Parent	Jared	Orono	ME	
Paris	Jonah	Falmouth	ME	
Parker	Ani	Brunswick	ME	
Parkin	Will	Turner	ME	
Parks	Jordan	Orono	ME	
Parrott	Sage	Glastonbury	CT	
Parsons	Taylor	Glastonbury	CT	
Partyka	Sam	Lexington	MA	
Passarelli	Josh	Scarborough	ME	
Patashnik	Ben	Scarborough	ME	
Pate	Maura	Milbridge	ME	
Patel	Nisha	Sanford	ME	
Patton	Joseph	Topsham	ME	
Paul	Ashley	Saco	ME	
Paul	Jenna	Arundel	ME	
Paye	Laura	West Springfield	MA	
Pazdziorko	Andrew	Orono	ME	
Pearson	Courtney	Holden	ME	
Peary	Alexandra	Cumberland Center	ME	
Pease	Isabel	York	ME	
Peaslee	Tatum	Orrington	ME	
Peavey	Cameron	Raymond	ME	
Peirce	Cammie	Hermon	ME	
Pellerin	Jordan	Windham	NH	
Pelletier	Chelsea	Madawaska	ME	

Pelletier	Jordan	Rome	ME	
Pelletier	Miles	Industry	ME	
Pelletier	Nicole	Brunswick	ME	
Pender	Troy	Amesbury	MA	
Pendleton	Alisha	Lincolnville	ME	
Penney	Sarah	South Thomaston	ME	
Peoples	Kyle	Gorham	ME	
Perkins	Chandler	Exeter	ME	
Perkins	Chris	Wiscasset	ME	
Perkins	Drake	Winterport	ME	
Perrault	Maegan	Biddeford	ME	
Perro	Sam	North Anson	ME	
Perron	Grace	Bangor	ME	
Perry	Cole	Hallowell	ME	
Perry	Ember	Orrington	ME	
Perry	Hailey	Hermon	ME	
Perry	Ryan	Scarborough	ME	
Perry	William	Hampden	ME	
Peterson	Amanda	Mansfield	MA	
Peterson	Anna	Chelsea	ME	
Peterson	Emma	Houlton	ME	
Peterson	Josh	Levant	ME	
Petrarca	Greg	Tiverton	RI	
Petty	Jadon	Gray	ME	
Pezanowski	Ashley	Rockland	ME	
Pfister	Peter	Bangor	ME	
Phan	Julia	Bangor	ME	
Philippone	Maura	Camillus	NY	
Phillips	Micaela	Orono	ME	
Pierce	Emily	Barre	VT	
Pierce	Kilian	Clinton	MA	
Pinard	Nate	Fairhaven	MA	
Pine	Alexis	Owls Head	ME	

Pine	Casey	Owls Head	ME	
Pinkham	Jon	Damariscotta	ME	
Pinnette	Anthony	Waterville	ME	
Pinnette	Nicole	Waterville	ME	
Piotrowski	Liz	Hamburg	NY	
Pirruccello-McClellan	Aidan	Foster	RI	
Pitman	Chris	Garland	ME	
Pleau	Sarah	Vassalboro	ME	
Plese	Andrew	Richardson	TX	
Plouff	David	Orono	ME	
Plumlee	Danielle	North Plains	OR	
Poirier	Brianna	Winchester	NH	
Poisson	Owen	Brunswick	ME	
Poisson	Rachel	Bangor	ME	
Poissonnier	Taylor	Sidney	ME	
Poland	Joshua	Orono	ME	
Pontillo	Toby	Montville	ME	
Pontius	Kate	Portland	ME	
Poole	Nate	South Berwick	ME	
Pooler	Emma	Fort Kent	ME	
Porter	Kaylee	Palermo	ME	
Porter	Loryn	North Bay	ON	Canada
Porter	Tate	Cumberland Center	ME	
Potter	Lauren	Glenburn	ME	
Potts	Christian	Freeport	ME	
Poulin	Ciera	Fairfield	ME	
Power	Savanna	Norridgewock	ME	
Powers	Nick	Medway	ME	
Pratt	Dillon	Minot	ME	
Pratt	Jamie	Barrington	NH	
Pratt	Seth	Cornville	ME	
Pratt-Holt	Nate	Farmington	ME	
Prescott	William	Orrington	ME	

Preston	Reese	Windham	ME	
Prevost	Nola	Brewer	ME	
Profenno	Lucas	Portland	ME	
Protheroe	Emily	South Thomaston	ME	
Prown	Graeme	Rose Valley	PA	
Puccetti	Emileigh	Clearwater	FL	
Pushard	Matt	Brewer	ME	
Qualey	Sara	Norridgewock	ME	
Qualls	Brendan	Orono	ME	
Quimby	Ben	Old Town	ME	
Quimby	Jordan	Brooks	ME	
Quirion	Briana	Waterville	ME	
Radford	Brock	Hollis	NH	
Radziszewski	Aaron	Scarborough	ME	
Rafferty	Neil	Mason	NH	
Rahl	Carly	Hillsdale	NJ	
Raimondi	Abby	Groveland	MA	
Rambo	Brianna	Sicklerville	NJ	
Rand	Colby	Orrington	ME	
Rand	Emily	Billerica	MA	
Raplee	Brooke	Manorville	NY	
Rarn	Ryan	Portland	ME	
Raven	Kristen	Thorndike	ME	
Rawat	Pooja	Hebron	ME	
Raymond	Kaylyn	Hermon	ME	
Raymond	Rebecca	Auburn	ME	
Re	Bridget	Pittsburgh	PA	
Reading	Liam	Bangor	ME	
Reardon	Katherine	Westwood	MA	
Reddish	Courtney	Canton	MA	
Reed	Joey	Topsham	ME	
Reese	Abigail	Wells	ME	
Reese	Nate	Veazie	ME	

Reese	Olivia	Pittsford	NY	
Reeves	Mindy	Old Town	ME	
Regan	Aidan	Cumberland Center	ME	
Reichel	Melissa	Hampden	ME	
Reid	Emily	Dighton	MA	
Reid	Maddy	Portland	ME	
Reiley	Michael	Brooklin	ME	
Reilly	Ally	Merrick	NY	
Reilly	Emily	Bangor	ME	
Reilly	Samantha	Bayonne	NJ	
Reynolds	Ashley	Dexter	ME	
Reynolds	Kelli	Mansfield	MA	
Rhoads-Doyle	Collin	Holden	ME	
Rhoads-Doyle	Jamison	Holden	ME	
Richard	Sam	Standish	ME	
Richards	Jordan	Orono	ME	
Richards	Kailey	Eddington	ME	
Richardson	Emma	Blue Hill	ME	
Richardson	Jeremiah	Rumford	ME	
Richardson	Julia	Windham	ME	
Richardson	Taylor	Brewer	ME	
Richmond	Dylan	Mason Township	ME	
Ricker	Ashley	Hampden	ME	
Rideout	Angela	Newburgh	ME	
Rideout	Faith	Oxford	ME	
Rider	Julia	Brunswick	ME	
Rigazio	Jack	Andover	MA	
Riley	Madison	Williamsport	MD	
Riley	Olivia	Brockton	MA	
Rinne	Claire	Walpole	MA	
Ritchey	Nicole	Coralville	IA	
Ritger	Davis	Freeport	ME	
Rivet	Jack	Groton	MA	



Roberts	Laura	Brandon	VT	
Roberts	Paige	Colebrook	CT	
Robertson	Will	South China	ME	
Robidoux	Tyler	Merrimack	NH	
Robinson	Emily	Lincoln	ME	
Robinson	Haley	Hollis Center	ME	
Robinson	Justin	Cushing	ME	
Robinson	Kaitlin	Wilmington	MA	
Robinson	Kaitlyn	Frankfort	ME	
Robinson	Kaleb	Thomaston	ME	
Robinson	Morganne	Palmyra	ME	
Robinson	Zeke	Farmington	ME	
Rocheleau	Danny	Saint Albans	VT	
Rocks	Morgan	Jonesport	ME	
Rodas	Darissa	North Providence	RI	
Roderick	Alexandra	Brunswick	ME	
Rodionov	Alex	Bangor	ME	
Rodriguez	Ben	Toms Brook	VA	
Roehrich	Kacey	Flanders	NJ	
Roerden	Tom	Norton	MA	
Rogers	Harley	Milford	ME	
Rogers	Kirstie	Winslow	ME	
Rogers	Maev	Bar Harbor	ME	
Rogers	Mariah	Hermon	ME	
Rogorzenski	Callie	Marstons Mills	MA	
Rollins	Tyler	South China	ME	
Roman	Michael	Bangor	ME	
Roman	Victoria	Alexandria	NH	
Romanoski	Reilly	Strong	ME	
Romeo	Daniela	Collinsville	CT	
Romick Barrell	Joey	Milford	CT	
Romprey	Allie	Saco	ME	
Ronzo	John	Scarborough	ME	

Rooms	Caitlyn	Woodbridge	VA	
Rooney	Kyle	Amesbury	MA	
Rooney	Will	Darien	CT	
Roos	Taylor	Orono	ME	
Roper	Jake	Bethel	CT	
Rose	Nick	Raymond	ME	
Rosenbaum	Ben	Topsfield	MA	
Rosenthal-Baxter	Andrew	West Hartford	CT	
Ross	J.C.	Plymouth	MA	
Ross	Katy	Kennebunk	ME	
Rotter-Weller	Nick	Rolling Hills Estates	CA	
Rowe	Emma	Bangor	ME	
Rowe	Grace	Eddington	ME	
Rowell	Amelia	Eliot	ME	
Rowell	Olivia	Eliot	ME	
Roy	Charles	Bangor	ME	
Roy	David	Fort Kent	ME	
Roy	Samuel	Mechanic Falls	ME	
Roy	Tanya	Vernon Rockville	CT	
Roy	Taylor	Holden	ME	
Rubin	Emily	Wakefield	MA	
Rubocki	Skylar	Auburn	ME	
Rudis	Jarrold	Berwick	ME	
Ruel	Zach	Sidney	ME	
Ruggiero	Lindsey	Orrington	ME	
Rush	Kiera	Hudson	ME	
Russell	Lynsie	Orono	ME	
Russell	Rich	Jefferson	MA	
Russell	Sophie	York	ME	
Russo	Vincent	Poland	ME	
Ryan	Alex	Pearl River	NY	
Ryan	Ally	Leeds	ME	
Ryan	Lauren	Babylon	NY	

Ryan	Molly	Westford	MA	
Ryan	Tim	Holliston	MA	
Ryckman	Matt	Orono	ME	
Saar	Dor	Maanit		Israel
Sabatino	Lauren	Scarborough	ME	
Sabourin	Mary	Stow	MA	
Sadler	Sean	Orono	ME	
Sager	Tarek	Orono	ME	
Sainsbury	Chelsea	Watertown	CT	
Salafia	Anthony	Portland	ME	
Salisbury	Corey	Orono	ME	
Sandberg	Amanda Linnea	Skurup		Sweden
Sandoval	Andreas	South Portland	ME	
Sands	Gabby	Plymouth	ME	
Sands	Rebekah	Hampden	ME	
Sanor	Jamie	Beloit	OH	
Sansoucie	Mikaella	South Berwick	ME	
Santerre	Sarah	Bangor	ME	
Sargent	Jamie	South Portland	ME	
Sauls	Jake	North Andover	MA	
Saulter	Sammi	Waterville	ME	
Sauvageau	Hayden	Sterling	CT	
Savage	Jacob	Union	ME	
Savage	Owen	Holliston	MA	
Savage	Spencer	Caribou	ME	
Savoie	Nick	Hampden	MA	
Sawicki	Mary	Aurora	CO	
Sawyer	Morgan	Windham	ME	
Scanlon	Ian	Topsham	ME	
Schaff	Joshua	Oakland	ME	
Schaffer	Claire	Berlin	MA	
Schanck	Aaron	Pittsfield	ME	
Schatzabel	Brennan	Kennebunk	ME	

Schell	Vinny	Oceanside	NY	
Schena	Chris	Middleton	MA	
Scherer	Devin	Damariscotta	ME	
Schlichting	Dylan	Orono	ME	
Schmidt-Svejstrup	Jacob	Charlottenlund		Denmark
Schnee	Julia	Milford	ME	
Schneider	Julia	Durham	ME	
Schneider	Lydia	Bowdoinham	ME	
Schneiderat	Alexis	Brunswick	ME	
Schnoor	Ceejai	Atlantic Highlands	NJ	
Schumann	Anna	Moers		Germany
Schwehm	Maya	Boothbay	ME	
Scillia	Aaron	Ellsworth	ME	
Scott	Caden	Portland	ME	
Scott	Carlton	Catonsville	MD	
Scott	Dakota	Milford	ME	
Scott	Elliot	Somers	CT	
Scott	Madeleine	Coventry		United Kingdom
Scott	Rachel	Presque Isle	ME	
Scruton	Emily	Framingham	MA	
Searing	Llewellyn	Altamont	NY	
Searle-Belanger	Brogan	Saco	ME	
See	Isabelle	Yarmouth	ME	
Seekins	Jordan	Glenburn	ME	
Segal	Sydney	Windham	ME	
Segovia	Remy	Wiscasset	ME	
Seitz	Sarah	Nashua	NH	
Sellinger	Sydney	Baltimore	MD	
Seneres	Kenneth	Saco	ME	
Senesac	Cal	Colchester	CT	
Sereyko	Kasha	Lowell	ME	
Sernyk	Isabella	Windham	ME	
Servetas	Jordan	Bucksport	ME	

Seuch	James	Trumbull	CT	
Severs	Quinn	Sanford	ME	
Sewall	Erin	Cape Elizabeth	ME	
Sewell	Marissa	Eliot	ME	
Seymour	Emily	Arlington	MA	
Shaffer	Mikayla	Fort Belvoir	VA	
Shane	Andrea	Vinalhaven	ME	
Shannon	Logan	Orono	ME	
Sharp	Alainna	Glen Gardner	NJ	
Sharples	Caitlyn	Buxton	ME	
Shaw	Alia	Cutler	ME	
Shaw	Mari	Mapleton	ME	
Shaw	Nathanael	South Paris	ME	
Shea	Jaymie	Ipswich	MA	
Shea	Maeve	Brunswick	ME	
Shean	Juliette	Shelburne Falls	MA	
Shen	Zhecheng	Orono	ME	
Shepley	Chris	Winchester	VA	
Sherman	Nicholas	Hodgdon	ME	
Shevlin-Fernandes	Jennifer	Falmouth	MA	
Sibles	Tate	Indian Island	ME	
Shinde	Omkar	Newton	MA	
Shipman	Josh	Paoli	IN	
Shipsey	Olivia	Arrowsic	ME	
Shokal	James	Alexandria	NH	
Shortt	Cullen	Bangor	ME	
Shrestha	Sanskar	Kowloon		Hong Kong
Sibley	Ethan	Lincoln	ME	
Siciliano	Gabbie	Simi Valley	CA	
Siciliano	Katrina	Middleboro	MA	
Sigler	Thomas	Northport	ME	
Sikora	Cowan	Sandyston	NJ	
Siladi	Skye	Montville	ME	

Silliboy	Erica	Bangor	ME	
Sillsby	Belle	Kittery Point	ME	
Silva	Camilla	Framingham	MA	
Silva	Michele	Teaneck	NJ	
Silverbrand	Sam	Buzzards Bay	MA	
Simbari	Izzy	Falmouth	ME	
Simmons-Brown	Bailey	Chicago	IL	
Simonds	Alyssa	Belfast	ME	
Simpson	Clara	Winterport	ME	
Sinclair	Owen	Rangeley	ME	
Sirota	Jakub	Kromeriz		Czech Republic
Sizeler-Fletcher	Asher	Montville	ME	
Skidgel	Chrissy	Caribou	ME	
Skvorak	Katie	Windham	ME	
Slade	Carrie	Watervliet	NY	
Slattery	Bobby	Old Orchard Beach	ME	
Slocum	Caitlin	Old Town	ME	
Small	Matt	Sanford	ME	
Smestad	Anna	Corinna	ME	
Smith	Baylee	Glenburn	ME	
Smith	Brett	York	ME	
Smith	Dylan	Saco	ME	
Smith	Emma	Old Town	ME	
Smith	Evan	Hollis Center	ME	
Smith	Grace	Holden	ME	
Smith	Hunter	Cornville	ME	
Smith	Jackson	Westborough	MA	
Smith	Jerod	Newport	ME	
Smith	Mari	Farmingdale	ME	
Smith	Melanie	Cranford	NJ	
Smith	Peyton	Hampden	ME	
Smith	Sarai	Amesbury	MA	
Smith	Shannon	Orono	ME	

Smoloski	Rob	Wye Mills	MD	
Snieckus	Emily	Barkhamsted	CT	
Snow	Anna	Stetson	ME	
Snow	Sierra	Hermon	ME	
Snyder	Miranda	Brimfield	MA	
Sobiech	Megan	Eagan	MN	
Soler	Shania	Elizabethtown	PA	
Somes	William	Ellsworth	ME	
Sommer	Jasper	Portland	ME	
Soper	Nick	Trenton	ME	
Soucy	Allison	Van Buren	ME	
Soucy	Collin	Bangor	ME	
Soucy	Nick	Harrison	ME	
Souza Cunha	Ana Eliza	Orono	ME	
Spagnolo	Katie	Old Orchard Beach	ME	
Spalla	Arielle	Yorktown	VA	
Sparks-Willey	Isaac	Scarborough	ME	
Spear	Betsy	Holden	ME	
Spear	Preston	Rockland	ME	
Sperber	Jacob	Yarmouth	ME	
Spicer	Cam	Erie	CO	
Spiller	Elizabeth	Orono	ME	
Sprecher	Emily	Dover Foxcroft	ME	
Springer	Brooke	Glenburn	ME	
St Jarre	Matt	Randolph	ME	
St Jean	Drew	Stillwater	ME	
St Jean	Nate	Stillwater	ME	
St John	Amelia	Scarborough	ME	
St Peter	Mitch	Caribou	ME	
Stahle	Madison	Wiscasset	ME	
Stanislaski	Kate	Somerville	MA	
Stanley	Lexi	Plattsmouth	NE	
Stanley	Will	Bangor	ME	

Stanton	Jack	Davidsonville	MD	
Stark	Sam	Falmouth	ME	
Stasiak	Lena	Milwaukee	WI	
Stasinos	Evan	Peabody	MA	
Steele	Cassie	Windham	ME	
Steeves	Rylea	Machiasport	ME	
Stefanic	Zoe	Hampden	ME	
Steinbrecher	Jared	Bellingham	MA	
Stenger	Matthew	Sebago	ME	
Stevens	Emily	Old Town	ME	
Stevens	Isabelle	Smithfield	RI	
Stevens	James	Oakland	ME	
Stevens	Jane	Upper Tantallon	NS	Canada
Stevens	Molly	Bremen	ME	
Stewart	Sarah	Groveland	MA	
Stickney	Max	Cumberland Center	ME	
Stillman	Ezra	Saco	ME	
Stockley	Leela	Chester	ME	
Stoddard	Kimberly	Danforth	ME	
Stone	Paige	Gardiner	ME	
Stone	Samuel	Mechanic Falls	ME	
Storey	Nathan	North Stonington	CT	
Storgaard	Sarah	Orono	ME	
Strahan	Wil	Slidell	LA	
Strasko	Paige	Easton	PA	
Strauch	Cassandra	Marysville	OH	
Strickler	James	Tewksbury	MA	
Strolie	Caroline	Phoenix	AZ	
Stromvall	Kayla	Winterport	ME	
Stryker	Cait	Tyngsboro	MA	
Stupak	Lauren	Oakton	VA	
Suchovic	Jessie	Port Murray	NJ	
Sudbeck	Casey	Bangor	ME	



Sudol	Sabrina	Ramsey	NJ	
Sulinski	Brooke	Old Town	ME	
Sullivan	Amanda	Orono	ME	
Sullivan	Amelia	Kittery	ME	
Sullivan	Anthony	Sutton	MA	
Sullivan	Cameron	Old Town	ME	
Sullivan	Colleen	Morrill	ME	
Sullivan	Eric	Augusta	ME	
Sullivan	Natalie	Malden	MA	
Sulloway	Lucien	Bridgton	ME	
Suniga	Madison	West Boylston	MA	
Surette	Haley	Skowhegan	ME	
Sutton	Kaitlyn	North Kingstown	RI	
Swain	Sophie	Farmington	ME	
Swayman	Jeremy	Anchorage	AK	
Swazey	Jessica	Bucksport	ME	
Sweeney	Jessie	Hampden	ME	
Swett	Sara	Glen Ridge	NJ	
Swett	Zoe	Old Town	ME	
Swope	Samuel	Eagle Lake	ME	
Swuste	Leanne	Huizen		Netherlands
Syphers	Lauren	Windham	ME	
Szewczyk	Thomas	Bangor	ME	
Szumilas	Kendall	Bucksport	ME	
Szymanski	Edison	Bristol	CT	
Talon	Ashley	Bangor	ME	
Tanner	Chris	Brunswick	ME	
Tanner	Tiffany	Brunswick	ME	
Tanner	Tiffany	Carmel	ME	
Tanous	Haid	South Paris	ME	
Tapley	Chase	Lewiston	ME	
Tapley	Sierra	Bar Harbor	ME	
Taplin	Dylan	Ellsworth	ME	

Tatten	Madison	Northborough	MA	
Tauke	Jake	Old Town	ME	
Taylor	Alec	South Berwick	ME	
Taylor	Avery	Kingfield	ME	
Taylor	Sara	Anson	ME	
Teisl	Deven	Holden	ME	
Temple	Kylie	Richmond	ME	
Tereshkina	Dasha	Chelyabinsk		Russian Federation
Tero	Ben	Portland	ME	
Terry	Jacob	Scarborough	ME	
Testa	Madeline	Gray	ME	
Thayer	Amanda	New Gloucester	ME	
Thein	Yin	Bangor	ME	
Theriault	Liz	Saint David	ME	
Thibeau	Austin	Presque Isle	ME	
Thibodeau	Arend	Harmony	ME	
Thibodeau	Kathleen	Westbrook	ME	
Thieme	Rachel	Topsham	ME	
Thistle	Hannah	Auburn	ME	
Thoman-Thurber	Eryk	Foster	RI	
Thomas	Osiris	Kennebunk	ME	
Thomas	Seth	Kingfield	ME	
Thomas	Spencer	Fryeburg	ME	
Thomas	Walker	Sidney	ME	
Thomas	Zach	Kingston	NH	
Thompson	Abby	Easton	ME	
Thompson	Benjamin	Contoocook	NH	
Thompson	Garrison	Durham	ME	
Thompson	Kaitlyn	Kingston	MA	
Thompson	Makao	Industry	ME	
Thornton	Kelcey	Readfield	ME	
Throckmorton-Hansford	Phoenix	Orono	ME	
Tibbetts	Cassidy	Litchfield	ME	

Tibbits	Lauren	Old Town	ME	
Tidd	Sullivan	Casco	ME	
Tilton-Flood	Lilla	Clinton	ME	
Tims	Katie	Cornish	ME	
Tiuraniemi	Veli	Oulu		Finland
Tobey	Ali	Orono	ME	
Todd	Sara	Bar Harbor	ME	
Tolmasoff	Arlena	Bucksport	ME	
Tome	Erin	Topsham	ME	
Tong	Lilin	Ottawa	ON	Canada
Toolan	Brian	Newburyport	MA	
Toothaker	Evan	Ellsworth	ME	
Toothaker	Mallory	Kingfield	ME	
Topper	Izzy	Hudson Falls	NY	
Toppin	Kayla	Columbia Falls	ME	
Torchia	Brittany	Jewett City	CT	
Torres	Ruben	Santa Cruz	CA	
Toussaint	Ral	Madawaska	ME	
Tovey	Travis	Sanford	ME	
Towle	Tanner	Smithfield	ME	
Towne	Julia	Kennebunk	ME	
Tozier	Nickolas	Orono	ME	
Tracy	Cole	Standish	ME	
Traphagen	Elizabeth	Franklin	MA	
Trask	Jacob	Winslow	ME	
Trebilcock	Katie	Topsham	ME	
Trevisani	Elizabeth	Wellesley Hills	MA	
Treworgy	Annie	Levant	ME	
Triana	Jen	Prospect	CT	
Troiano	Samantha	Marshfield	MA	
Trombley	Alyssa	Mapleton	ME	
Trott	Ethan	South Berwick	ME	
Trusty	Yuri	Bangor	ME	

Tumal	Dana	Florence	MA	
Turgeon	Kasidy	Chelsea	ME	
Turner	Emily	Charleston	ME	
Turner	Jennifer	Hollis Center	ME	
Turner	McCall	Washburn	ME	
Turner	Nick	Scarborough	ME	
Turner	Olivia	West Gardiner	ME	
Tuttle	Savannah	Waterville	ME	
Tuttle	Souix	Bethel	ME	
Tyler	Caleb	Palermo	ME	
Tymm	Sarah	Watertown	MA	
Tyrina	Anna	Whitefield	NH	
Urli	Stephen	Massapequa	NY	
Usilton	Haley	South Royalton	VT	
Vaccaro	Isaac	Kennebunk	ME	
Vadala	Owen	Rowley	MA	
Vaidya	Nikhil	Orono	ME	
Valcourt	Tony	Fort Kent	ME	
Valente	Maria	New Gloucester	ME	
Vallee	Jacob	Auburn	ME	
van der Schaaf	Jane	Union	ME	
Van Duijn	Claudio	Blue Hill	ME	
Van Gorden	Rachel	Stillwater	NJ	
Van Newkirk	Sean	Natick	MA	
Van Steenberghe	Julia	Old Town	ME	
Van Tassell	Joel	Lyman	ME	
Vanaria	Tatiana	Lunenburg	MA	
VandenBosch	Emelissa	Bangor	ME	
Vanisova	Tereza	Steken		Czech Republic
Varga	Samuel	Union	ME	
Vargas	Desiree	Orono	ME	
Varney	Abigail	Turner	ME	
Varney	Devon	Pittsfield	ME	

Varney	Dylan	Windham	ME	
Varney	Hannah	Turner	ME	
Veenhof	Anthony	Orono	ME	
Veilleux	Carson	Moose River	ME	
Venema	Taylor	Spring Lake	MI	
Ventola	Haley	Troy	MO	
Verrill	Caroline	New Gloucester	ME	
Verrill	Tj	Carmel	ME	
Vibert	Olivia	Unionville	CT	
Vidaurri	Jose	Old Town	ME	
Vickman	Joshua	Dixmont	ME	
Vickman	Sarah	Dixmont	ME	
Vise	Zach	Boothbay Harbor	ME	
Viselli	Anthony	Bangor	ME	
Viselli	Danielle	Peabody	MA	
Vittum	Zoe	Brewer	ME	
Vo	Gina	Bangor	ME	
Vogel	Chris	Orono	ME	
Vose-Gimbel	Jack	South Portland	ME	
Wadling	Fanny	Saltsjo-Boo		Sweden
Wadsworth	Anna	Washington	ME	
Wagg	Sam	Narre Warren South		Australia
Wagner	Sarah	Westbrook	ME	
Walker	Courtney	Laconia	NH	
Walker	Danica	Caribou	ME	
Wallace	Abby	Wilton	ME	
Wallace	Ivy	Lamoine	ME	
Wallace	Liv	Bangor	ME	
Walsh	Liz	Benton	ME	
Walz	Anna	Veazie	ME	
Wang	Angela	Presque Isle	ME	
Wang	Lu-Hsiang	Taipei City		Taiwan, Province of China
Ward	Emmy	Ellington	CT	

Ward	Hannah	Bangor	ME	
Warmuth	Greg	Brewer	ME	
Warren	Emmy	Oakland	ME	
Washburn	Brooklyn	Durham	ME	
Watras	Emma	Seal Cove	ME	
Watson	Allison	Denmark	ME	
Watson	Jana	Corinth	ME	
Watson	Julie	Mendon	MA	
Watson	Robbie	Scarborough	ME	
Watt	Aaron	Hampden	ME	
Weaver	Jacqui	North Haven	CT	
Webb	Heather	Bangor	ME	
Webb	Jarod	Old Town	ME	
Webber	Josh	Springvale	ME	
Webber	Matthew	Springvale	ME	
Weber	Chris	Centerville	MA	
Weeks	Rebecca	Lynnfield	MA	
Weigang	Abby	Shawmut	ME	
Welborn	Hannah	Wiscasset	ME	
Welch	Colin	Saint Cloud	FL	
Welch	Olivia	Farmingdale	ME	
Welch	Sarah	Pittsfield	ME	
West	Bailey	Stockton Springs	ME	
West	Bronwyn	Liberty	ME	
West	Ian	Jackman	ME	
West	Julyan	Norway	ME	
Westfield	Austin	Whitehouse Station	NJ	
Westhaver	Kate	Nobleboro	ME	
Wheeler	Gideon	Bowdoin	ME	
Wheeler	Justin	Old Town	ME	
Wheeler	Mickala	Orono	ME	
White	Casey	Old Town	ME	
White	Hadley	Brewer	ME	

White	Kaitlyn	Hampden	ME	
White	Patrick	Waldoboro	ME	
White	Tanner	Baileyville	ME	
White	Zach	Exeter	ME	
Whitehouse	Andrew	Gardiner	ME	
Whitemyer	Evan	Rockland	MA	
Whitney	Priscilla	Old Town	ME	
Whittemore	Emily	Poland	ME	
Whynot	Megan	South Portland	ME	
Wibby	Jessica	South Portland	ME	
Wicks	Natalie	Readfield	ME	
Wiggins	Breanna	Brunswick	ME	
Wiggins	Justin	Orono	ME	
Wilcox	Adam	Warren	ME	
Wilcox	Sophia	Brunswick	MD	
Wilkins	Alex	Raymond	ME	
Wilkins	Brad	Old Town	ME	
Willey	Emma	Monmouth	ME	
Williams	Ben	Cumberland Center	ME	
Williams	Emma	Wilton	ME	
Williams	Juliet	Limestone	ME	
Williams	Kat	New Bern	NC	
Williams	Mookie	Cape Elizabeth	ME	
Williams	Sonja	Old Town	ME	
Williams	Taylor	Presque Isle	ME	
Willis	Mark	West Paris	ME	
Wilson	Bruce	Milford	ME	
Wilson	Hannah	Berwick	ME	
Wilson	Sam	Fairfield	ME	
Wilson	Sidney	North Monmouth	ME	
Wingard	Abby	Orono	ME	
Winn	Cait	Windham	ME	
Winslow	Byron	Veazie	ME	

Winslow	Stephanie	Mapleton	ME	
Wiseman	Lilli	Bangor	ME	
Wojciak	Andrew	Merrimack	NH	
Wojdakowski	Kelsey	Orono	ME	
Wolfenden	Jack	North Andover	MA	
Wolff	Saige	Plaistow	NH	
Wolffington	Johnny	Milford	ME	
Wone	Jamie	Pittsfield	ME	
Wood	Dylan	Orrington	ME	
Wood	Kyle	Lincolnville	ME	
Wood	Trey	Eddington	ME	
Woodhouse	Daniel	South Portland	ME	
Woods	Addie	Hodgdon	ME	
Woods	Brittany	New Sharon	ME	
Woods	Stephanie	Wells	ME	
Woodworth	Fran	Rockport	ME	
Woolfolk	Beth	Mount Desert	ME	
Worgull	Max	Bangor	ME	
Wotton	Taylor	Lincoln	ME	
Wright	Declan	Owls Head	ME	
Wright	Haleigh	Ticonderoga	NY	
Wright	Janay	South Berwick	ME	
Wyman	Alison	Hanover	ME	
Xiao	Kelly	Orono	ME	
Yagodin	Misha	Odessa		Ukraine
Yamaguchi	Takuto	Chigasaki		Japan
Yarbrough	Brynn	Wrentham	MA	
Yoder	Jordan	Old Town	ME	
Yoder	Tate	Penobscot	ME	
Yoon	Jane	Hwaseong-Si		Korea, Republic of
York	Karrah	Camden	ME	
York	Mitchell	Portland	ME	
Yorkey	Lucas	Poland	ME	



Yost	Thilee	Damariscotta	ME	
Young	Caryl	Cherryfield	ME	
Yutuc	Nikki	Saipan		Northern Mariana Islands
Zablotny	Melanie	Steuben	ME	
Zachariason	Sarah	Minnetonka	MN	
Zaher	Nicholas	Chelmsford	MA	
Zakhirova	Guzaloy	Andijan		Uzbekistan
Zanin	Matt	Lexington	MA	
Zavalza	Julia	Bucksport	ME	
Zenga	Anthony	Easton	PA	
Zenga	Jacob	Berwick	ME	
Zepeda	Sebastian	Dover Foxcroft	ME	
Zikova	Anna	Cesky Tesin		Czech Republic
Zinke	Sierra	Zephyrhills	FL	
Zmistowski	Anna	Veazie	ME	
Zucca	Kelvy	New Milford	CT	
Zuo	Zoey	Orono	ME	
Zuras	Everett	Presque Isle	ME	

## Spring 2019 Dean's List by Maine counties

[Androscoggin County](#)  
[Aroostook County](#)  
[Cumberland County](#)  
[Franklin County](#)
[Hancock County](#)  
[Kennebec County](#)  
[Knox County](#)
[Lincoln County](#)  
[Oxford County](#)
[Penobscot County](#)  
[Piscataquis County](#)  
[Sagadahoc County](#)  
[Somerset County](#)
[Waldo County](#)  
[Washington County](#)  
[York County](#)

### Androscoggin County

**Auburn:** Alexis Bellefleur, Sarah Hammond, Emily Hayes, Nathaniel Hernandez, Kaylee Jipson, Brooke Lever, Dylan Miller, Emma Paradie, Rebecca Raymond, Skylar Rubocki, Hannah Thistle, Jacob Vallee **Durham:** Krista Bertrand, Tatum Erlandson, Heather Margerison, Julia Schneider, Garrison Thompson, Brooklyn Washburn **East Poland:** Lauren Emery **Greene:** David Buckley, Averie Cloutier, Cliff Greco, Sarah Lafontaine, Ashley Mathieu **Leeds:** Tanner Binette, Lily Comeau-Waite, Ally Ryan **Lewiston:** Ciera Belanger, Dalton Bouchles, Olivia Dam, James Flynn, Faith Grady, Sierra Melanson, Adam Moody, Chase Tapley **Lisbon:** Brody Campbell, Jasmin Le **Livermore:** Amber Delaney, Jacob Foss, Luke Greenwood **Livermore Falls:** Denton Bilodeau, Chloe Flagg **Mechanic Falls:** Hope Kohtala, Samuel Roy, Samuel Stone **Minot:** Dillon Pratt **Poland:** Lizzy Champagne, Mackenzie Foster, Paisley Keene, Jada Lamb, Vincent Russo, Emily Whittemore, Lucas Yorkey **Sabattus:** Kayla Gayton, Mikki Gervais **Turner:** Anthony DeGone, Julia Dillingham, Chad Morin, Will Parkin, Abigail Varney, Hannah Varney

### Aroostook County

**Ashland:** Peng Cheng, Lucas Craig **Bridgewater:** Clark Bradbury **Caribou:** Molly Adams, Alec Cyr, Meagan Dube, Jillian Flynn, Madeline Gudde, Michael Hunter, Emma Jandreau, Chathu Karunasiri, Alex Murchison, Kaitlyn Nadeau, Spencer Savage, Chrissy Skidgel, Mitch St Peter, Danica Walker **Cary Plantation:** Grace Graham **Eagle Lake:** Samuel Swope **Easton:** Abby Thompson **Fort Fairfield:** Thomas Krause **Fort Kent:** Emma Brickman, Lily Brickman, Eric Deschene, Cassidy Lovley, Emma Pooler, David Roy, Tony Valcourt **Frenchville:** Sarah Lavertu **Hamlin:** Isabel Parent **Hodgdon:** Nicholas Sherman, Addie Woods **Houlton:** Sarah Delano, Emma Gallop, Ella Glatter, Sarah Glatter, Rachel Harmon, Courtney Jurson, Dawson McLaughlin, Emma Peterson **Limestone:** Harrison Kilpatrick, Juliet Williams **Linneus:** Tabetha Ganzel **Ludlow:** Sydney Howell **Madawaska:** Evan Hebert, Chelsea Pelletier, Ral Toussaint **Mapleton:** Aubrie Gross, Ryan Lavway, Sarah Morneault, Mari Shaw, Alyssa Trombley, Stephanie Winslow **New Canada:** Jonny Blanchette, Jacob Daigle, Alex Paradis **Presque Isle:** Meg Boone, Nick Dominique, Taylor Durepo, Emma Everett, Katelyn Ford, Emily Lagerstrom, Lindsey Lagerstrom, Rachel Scott, Austin Thibeau, Angela Wang, Taylor Williams, Everett Zuras **Saint Agatha:** Gabriela Cyr **Saint David:** Liz Theriault **Sinclair:** Dorothy Harris **Stockholm:** Evan Desmond **Van Buren:** Gabbi Dore, Lyndsey Lavoie, Allison Soucy **Washburn:** McCall Turner **Woodland:** Cheyenne Laszlo

### Cumberland County

**Bridgton:** Morgan MacNeil, Douglas Mayo, Lucien Sulloway **Brunswick:** Quinn Alexander, Sydney Anderson, Forrest Blankenship, Tobyn Blatt, Mikayla Bouchard, Erin Bradstreet, Max Burtis, Erin Butts, Rae Buzzell, Julia Casey, Jameson Cyr, Zoe Donovan, Noah Imperato, Adam Jarosz, Samuel Leavitt, Libbey Masse, Anna McMillan, Taylor Messerman, Ani Parker, Nicole Pelletier, Owen Poisson, Julia Rider, Alexandra Roderick, Alexis Schneiderat, Maeve Shea, Chris Tanner, Tiffany Tanner, Breanna Wiggins **Cape Elizabeth:** Michaela Arseneault, Connor Flaherty, Ethan Gillespie, Sydney Hallowell, Ryan Harvey, Quinn Jones, Erin Sewall, Mookie Williams **Casco:** Sullivan Tidd **Cumberland Center:** Sam Bonnevie, Ryan Bray, Zoe Fluet, Mika Gallati, Aidan Greenlee, Liam Greenlee, Noah Loveless, Sydney Meredith-Pickett, Alexandra Peary, Tate Porter, Aidan Regan, Max Stickney, Ben Williams **Cumberland Foreside:** Alex Nason, Jack Pacent **East Baldwin:** Jordan Miner **Falmouth:** Tom Adams, Jake Baumann, Molly Bennett, Alex Britton, Sara Chamard, Erin Cianchette, Evie Clement, Megan Faucher, Mary Giglio, Matthew Gramse, Mike Gramse, Kat Kane, Kali Mildrum, Jonah Paris, Izzy Simbari, Sam Stark **Freeport:** Lauren Briggs, Kiley Davan, Blake Enrico, Leah Harrison, Austin Langley, Ben MacMillan, Christian Potts, Davis Ritger **Gorham:** Mary Adams, Caitlyn Beaulieu, Ryan Bertin, Abby Biegel, Delaney Burns, Kate Curley, Megan Demers, Colin Gotschlich, Julia Haberstick, Kaitlyn Jodoin, Mia Kaufman, Jeff McNally II, Ethan Orach, Kyle Peoples **Gray:** Rebecca Archer, Dawson Blanchard, Elizabeth Davis, Adam Dumas, Austin Gallant, Josh Kane, Ethan Lessard, Mikayla Morin, Jadon Petty, Madeline Testa **Harpswell:** Kielely Hetherington **Harrison:** Nick Soucy **Naples:** Meghan Boos, Lily Charpentier, Catherine Christiansen, Marcus Devoe **New Gloucester:** Zac Brady, Emma Cadrán, Haley Cadrán, Seth Ordway, Amanda Thayer, Maria Valente, Caroline Verrill **North Yarmouth:** Emily Coyne, Joe Fitzpatrick, Molly Horton, Alyssa Lovering **Portland:** Marshall Abbott, Cleo Barker, Dylan Bolduc, Courtney Brett, George Budri, Mariza Budri, Natalia Budri, Silas Corman, Siobhan Densmore, Eedy Doyon, Vianca Espinosa, Noah Ferrante, Dominic Guimond, Maggie Healy, Max Hornblower, Lenora Lewis, Hua Lin, Marissa Martel, Owen Martinson, Tim McInnis, Kate Pontius, Lucas Profenno, Ryan Rarn, Maddy Reid, Anthony Salafia, Caden Scott, Jasper Sommer, Ben Tero, Mitchell York **Raymond:** Liam Flynn, Emily Gagne, Cameron Peavey, Nick Rose, Alex Wilkins **Scarborough:** Carigan Allie, Jacob Bloom, Emma Budway, Toni Caruso, Drew Edgcomb, Kate Follansbee, Emma Freeman, Roy Garland, Luke Guibord, Sydney Hersey, Chelsea Hughes, Abe Jordan, Nate Jordan, Katherine Kirk, Connor Langlois, Olivia Lappin, Bristyn Leasure, Ethan Lowell, Marco Manfra, Trevor Morin, Bryce Nitchman, Lauren Page, Miranda Panico, Josh Passarelli, Ben Patashnik, Ryan Perry, Aaron Radziszewski, John Ronzo, Lauren Sabatino, Isaac Sparks-Wiley, Amelia St John, Jacob Terry, Nick Turner, Robbie Watson **Sebago:** Dani LaPointe, Matthew Stenger **South Portland:** Nick Alvarez, Eduardo Anzures Uroza, Parker Bracken, Zoe Brown, Madison Damon, Taylor Davis, William Edgar, Brian Elsemore, Anna Foster, Laurine German, Maddison Lengyel, Tom Loc, Erica Magnuson, Caleb Marston, Kevan Merrow, Jackman Mickiewicz, Shannon Murphy, Andreas Sandoval, Jamie Sargent, Jack Vose-Gimbel, Megan Whynot, Jessica Wibby, Daniel Woodhouse **Standish:** Ben Autry, James Conley, Melody Croypley, Sadie Denico, Ryan Kern, Zach LaCombe, Sam Richard, Cole Tracy **West Baldwin:** Cierra Farrington, Dylan Haskell **Westbrook:** Tyler Bernier, Elise Bourassa, Sophia Cartonio, Bryan Crouse, Paula Crucianelli, Kallie Cyr, Chris Decker, Rachael Dyer, Arianna Giguere, Anna Giroux, Jaclyn Hazlewood, Alex Herbert, Dylan Ho, Reilley Joyce, Jacob Krull, Tom LeBlanc, Davis MacDonald, Josh Minor, Noah Oliver, Kathleen Thibodeau, Sarah Wagner **Windham:** Dominic Agneta, Melissa Agneta, Matthew Aldrich, Lyndsey Arseneault, Jack Burnell, John Clark, Ian Donnelly, Josh Dugas, Jack Gresh, Hanna Griffin, Adam Kelley, Brian Kelley, Seth Martin, Erin Merchant, Stephanie Nichols, Reese Preston, Julia Richardson, Morgan Sawyer, Sydney Segal, Isabella Sernyk, Katie Skvorak, Cassie Steele, Lauren Syphers, Dylan Varney, Cait Winn **Yarmouth:** John Barbera, Chris Bock, Noah Boisvert, Anna Bouton, Sean Cahill, Noah Grondin, Kaeleigh Morton, Isabelle See, Jacob Sperber

**Franklin County**

**Carra bassett Valley:** Noah Fournier, Finn Mackay **Farmington:** Ashley Burnham, Dan Lesko, Nate Pratt-Holt, Zeke Robinson, Sophie Swain **Industry:** Miles Pelletier, Makao Thompson **Jay:** Jasmine Bussiere, Jeffrey Gordon **Kingfield:** Katie Maxsimic, Avery Taylor, Seth Thomas, Mallory Toothaker **New Sharon:** Andrew Gardner, Brittany Woods **New Vineyard:** Haley Michienzi **Rangley:** Haley Morrill, Owen Sinclair **Sandy River Plantation:** Tala Ferguson **Strong:** Reilly Romanoski **Weld:** Michael Kersey **Wilton:** Jessie Hutchinson, Abby Wallace, Emma Williams

**Hancock County**

**Amherst:** Casco Haley **Bar Harbor:** Chris Butler, Jen Clemens, Matthew Cox, Gabby Link, Abbe Miller, Maev Rogers, Sierra Tapley, Sara Todd **Bass Harbor:** Abigail Muscat **Bernard:** Christina Closson, Owen Mild **Blue Hill:** Sam Elliott, Jenna Malvin, Jordie McEwen, Kara Morrison, Maya Naisbitt, Erin Niechoff, Emma Richardson, Claudio Van Duijn **Brooklin:** Michael Reiley **Brooksville:** Silas Bates **Bucksport:** Danny Bunker, Amanda Carter, Cody Davis, Alexis Krull, Susan Lessard, Jordan Servetas, Jessica Swazey, Kendall Szumilas, Arlena Tolmasoff, Julia Zavalza **Corea:** Benjamin Hunt, Kimberly Hunt **Dedham:** Daniel Davis, Kate Fogg **Deer Isle:** Bethany Humphrey, Jordyn Judkins, Natalie Knowlton **East Blue Hill:** Sarah Juster **Ellsworth:** Justin Brown, Calli Carter, Samantha Davis, Mitchell Domagala, Delaney Dow, Jared Hamilton, Jacob Jordan, Haley Lawrence, Kyle Lima, Chantal Ouellette, Aaron Scillia, William Somes, Dylan Taplin, Evan Toothaker **Franklin:** Pamela Burhoe, Mikaela Goodwin, Taylor Merchant **Hancock:** Brian Awalt, Julie Clements, Stella Ligon **Hulls Cove:** Rushanne Facey **Lamoine:** Nicole Brown, Kristy Eaton, Ivy Wallace **Little Deer Isle:** SooZin Cha, Ennis Marshall **Mariaville:** Chris Johanson **Mount Desert:** Megan Howell, Sam Johnson, Madeleine Macauley, Beth Woolfolk **Otis:** Olivia Lounder **Penobscot:** Tate Yoder **Seal Cove:** Emma Watras **Seal Harbor:** Ally Bender **Sorrento:** Madeline Bierman **Stonington:** Madison Eaton **Sullivan:** Maria Cormier, Jim Huff, Andrea Knapp **Trenton:** Miranda McKim, Nick Soper **Waltham:** Nicholas Jordan **Winter Harbor:** Liam Flubacher

**Kennebec County**

**Albion:** Elliot Dixon, Kensi Matula **Augusta:** Jaimi Clifford, Brandon Emerson, Brandon Gosselin, Jens Hansen, Cari Hopkins, Arthur Hubbard, Courtney King, Marshall McLaughlin, Eric Sullivan **Belgrade:** Lucy Guarnieri, Sawyer Michaud **Benton:** Kaylee Brann, Paige Castonguay, Liz Walsh **Chelsea:** Jared Alexander, Annie Brannigan, Mac Creamer, Chris Daggett, Anna Peterson, Kasidy Turgeon **Clinton:** Lilla Tilton-Flood **Fairfield:** Paige Belanger, Katie Cobb, Paige Hanson, Sam King **Farmingdale:** Cameron Fudge, Mari Smith, Olivia Welch **Fayette:** Abigail Despres, Natalie Harmon **Gardiner:** Pierce Kempkes, Tavia Noyes, Paige Stone, Andrew Whitehouse **Hallowell:** Jarod Dye, Mary Hicks, Cole Perry **Litchfield:** Hannah Nadeau, Cassidy Tibbetts **Manchester:** Quinn Galletta, Melissa Garand, Sydney Green, Ben McLaughlin, Mark McLaughlin **Monmouth:** Shannon Buzzell, Matt Fox, Michelle Hale, Anna Kulinski, Wendy Leighton, Emma Willey **Mount Vernon:** Dylan Getchell **North Monmouth:** Emily Barnett, Sidney Wilson **Oakland:** Katie Crumrine, Olivia Durkee, Joshua Schaff, James Stevens, Emmy Warren **Randolph:** Brad Bailey, Andrew Moran, Matt St Jarre **Readfield:** Taylor Cray, Karissa Lucas, Kecey Thornton, Natalie Wicks **Rome:** Lilly DeLisle, Jordan Pelletier **Sidney:** Brad Garand, Kyle Gleason, Hannah Hargrove, Sarah Martin, Katie Mercier, Lauren Mercier, Taylor Poissonnier, Zach Ruel, Walker Thomas **South China:** Kiley Drummond, Jared Gartley, Justin Harris, Will Robertson, Tyler Rollins **Vassalboro:** Brianna Benedict, Ally Clark Bonsant, Joe Connelly, Kassie Nadeau, Sarah Pleau **Vienna:** William Ellis **Waterville:** Alan Baez, Al Bernier, Alex Danner, Hayley Davis, Chris French, Jenna Goss, Katie Lopes, Maegan Maheu, Anthony Pinnette, Nicole Pinnette, Briana Quirion, Sammi Sautler, Savannah Tuttle **Wayne:** Rachel Castonguay, Liam McNamara **West Gardiner:** Katelyn Bilodeau, Mikayla Palmer, Olivia Turner **Windsor:** Jordan Bowie **Winslow:** Andrew Bolduc, Haley Campbell, Hannah Comfort, Devon Gleason, Adam Green, Sierra Harmon, Colette Latendresse, Brea Martin, Hunter McCaslin, Maddy Morneault, Kirstie Rogers, Jacob Trask **Winthrop:** Alison Berube, Greg Fay, Matt Ingram, Lydia Lavoie

**Knox County**

**Appleton:** Morgan Ford **Camden:** Sarah Berez, Izzy Gutheinz, Nick Leclerc, Tom Libby, Sarah Mitchell, Katherine Orne, Karrah York **Cushing:** R.J. Hall, Justin Robinson **Hope:** Tristan Fong, Henry Laurita **Owls Head:** Jamie Lovley, Alexis Pine, Casey Pine, Declan Wright **Rockland:** Julia Barbour, Lili Bonarigo, Jenna Conant, Allison Hawksley, Chloe Jonasson, Alexis Mazurek, Ashley Pezanowski, Preston Spear **Rockport:** Matt Ackley, Marco D’Amato, Molly Davee, Sydnie Freitag, Juliana Haynes, Katie McMorrow, Hilary Merrifield, Charlotte Messer, Fran Woodworth **South Thomaston:** Rachel Johnson, Rusty Lawrence, Mabel Monroe, Sarah Penney, Emily Protheroe **Tenants Harbor:** Sierra Beal **Thomaston:** Amber Johnston, Kaleb Robinson **Union:** Jacob Savage, Jane van der Schaaf, Samuel Varga **Vinalhaven:** Andrea Shane **Warren:** Kyle Blum, Sophie Cohen, Billy Olmsted, Adam Wilcox **Washington:** Antyna Gould, Jane Horovitz

**Lincoln County**

**Alna:** Andrew Hutchins **Boothbay:** Maya Schwehm **Boothbay Harbor:** Sydney Meader, Zach Vise **Bremen:** Molly Stevens **Bristol:** Kevin Fitzpatrick **Damariscotta:** Noah Begin, Brianna Genthner, Jon Pinkham, Devin Scherer, Thilee Yost **Dresden:** Taylor Houdlette **Jefferson:** Abigail Farrin **New Harbor:** Ashley Mason **Newcastle:** MacKenzie Ford **Nobleboro:** Maggie Bradbury, Kate Westhaver **Round Pond:** Dorothy Hodous **Waldoboro:** Alison Nolan, Patrick White **Whitefield:** Hannah Burns **Wiscasset:** Aidan Carlson, Maeve Carlson, Chris Perkins, Remy Segovia, Madison Stahle, Hannah Welborn

**Oxford County**

**Bethel:** George Connors, Avry Griffin, Tucker Hayward, Souix Tuttle **Bryant Pond:** Russ Cushman **Canton:** Emma Lueders **Denmark:** Jane Imdieke-King, Allison Watson **Dixfield:** Kate Ellis, Kaine Hutchins, Olivia Johnston, Summer Keim, Kylie Palmer **Fryeburg:** Spencer Thomas **Gilead:** Hunter Cline **Hanover:** Alison Wyman **Hebron:** Zane Dustin, Nathan Godbout, Pooja Rawat **Mason Township:** Dylan Richmond **Mexico:** Logan Benedix **Norway:** John Bowen, Kelton Loper, Nate McNutt, Julian West **Oxford:** Faith Rideout **Paris:** Aiden Heikkinen **Peru:** Amber Ferris, Adelle Oswald **Roxbury:** Peter Cogley **Rumford:** Andrew Arseneault, Random Gurney, Devin Merrow, Jeremiah Richardson **South Paris:** Caleb Jewell, Lauren Keisman, Arianna Meserve, Nathanael Shaw, Haid Tanous **Waterford:** Ashleigh Elliott, Avery Elliott **West Paris:** Mark Willis

**Penobscot County**

**Alton:** Taylor Braley, Josh Hamilton **Bangor:** Beth Allen, Nishchay Arya, Scott Audet, Ellen Babbidge, Logan Bard, Jake Breen, Danny Bridges, Erin Brown, Rick Cali, Devin Christianson, Sydni Cosgrove, James Cramer, Tommy Daly, Emily Davis, Leif Devine, Beth Dickson, Ariana DiNitto, Kathleen Dunn, Brandon Edge, Amy Fahey, Anthony Fiore, Andrew Fournier, Josh Francis, Logan Gallant, Vanessa Graham, Adam Green, Karl Gurschick, Sydney Hagarman, Glenice Hale, Dylan Hallett, Bethany Harris, Victoria

Haskell, Ashlie Henderson, Andrew Howes, Courtney Hutchinson, Mitchell Jameson, Jamie Jones, Abram Karam, Gabriel Karam, Peter Kemble, Rukhsar Khan, Reggie Kollman, Makayla Labelle, Mackenzie Ladd, Natalie Lammers Lisnet, Guang Li, Monica Littlefield, Sarah Marcotte, Leah Marcoux, Tenny Martin, Bryson McDonough, Makayla Miller, Michelle Miller, William Molinero, Sam Morse, Drew Murphy, Henry Nagle, Lauren Nightingale, Grace Perron, Peter Pfister, Julia Phan, Rachel Poisson, Liam Reading, Emily Reilly, Alex Rodionov, Michael Roman, Emma Rowe, Charles Roy, Sarah Santerre, Cullen Shortt, Erica Silliboy, Collin Soucy, Will Stanley, Casey Sudbeck, Thomas Szewczyk, Ashley Talon, Yin Thein, Yuri Trusty, Emelissa VandenBosch, Anthony Viselli, Gina Vo, Liv Wallace, Hannah Ward, Heather Webb, Lilli Wiseman, Max Worgull **Bradley**: Sam Dauphinee, Jacqueline Leonard, Lauren Martin **Brewer**: Jared Austin, Collin Averill, Abigail Bennett, Drew Bennett, Oisín Biswas, Jacob Cote, Courtney Cotoir, Robert Cousins, Jovon Craig, Caid Cummings, Julia Cummings, Allie Dean, Jon Donnelly, Aubrey Duplissie, Lucy Feeney, Caitlin Fraser, Ryan Gardner, Tyler Hersey, Ellie Horr, Abigail Irvine, Mandy Jammeh, Omar Khan, Bryce Largay, Katherine Larochelle, Christine Levesque, Matt Luce, Ning Luo, Olivia Milan, Niki Oakes, Nola Prevost, Matt Pushard, Taylor Richardson, Zoe Vittum, Greg Warmuth, Hadley White **Carmel**: Abby DeHaas, Justin McAllister, Tiffany Tanner, Tj Verrill **Charleston**: Angelina Buzzelli, Hannah Fishburn, Emily Turner **Chester**: Leela Stockley **Clifton**: Brad Bell **Corinna**: Anna Smestad **Corinth**: Kaj Overturf, Maija Overturf, Tuuli Overturf, Jana Watson **Dexter**: Mariah Hughes, Ashley Reynolds **Dixmont**: Joshua Vieckman, Sarah Vieckman **East Millinocket**: Nicole Chasse **Eddington**: Matthew Boucher, Emma Bragdon, Wyatt Butler, Elana Castiglia, Kailey Holmes, Kailey Richards, Grace Rowe, Trey Wood **Etna**: Allie Donaldson **Exeter**: Katie Batron, Rebecca Batron, Chandler Perkins, Zach White **Garland**: Chris Pitman **Glenburn**: Sarah Baker, Christian Boone, Ben Cotton, Katie Cotton, Shaylyn Cyr, Ryan Dufour, Kennedy Gerow, Madi Higgins, Caitlin Hillery, Lauren Ismail, Lauren Potter, Jordan Seekins, Baylee Smith, Brooke Springer **Greenbush**: Brawley Benson, Nicole Kennedy, Kayla Madden **Hampden**: Jacob Bailey, Kyle Barry, Madison Bennett, Maxwell Blais, Benjamin Chasse, Emily Colter, Ann Marie Dalton, Elyse Daub, Megan Dunroe, Abby Durrah, Alex Flannery, Zachary Flannery, Dan Fowler, Emily Gagner, Jessica Hillis-Jesiolowski, Rachel Hobbs, Ben Huston, Mike Labun, Tessa Lilley, Ashley Mahoney, Rebekkah Martin, Ryan McGraw, Sydney McKenney, Sadie Novak, William Perry, Melissa Reichel, Ashley Ricker, Rebekah Sands, Peyton Smith, Zoe Stefanic, Jessie Sweeney, Aaron Watt, Kaitlyn White **Hermon**: Ryan Byers, Rooster Cardin, Rylee Cushman, Matt Farnham, Keely Gonyea, Brianna Graves, Katharine Graves, Megan Howes, Rachel Ingalls, Emily Kontio, Savannah Michaud, Annabelle Osborne, Cammie Peirce, Hailey Perry, Kaylyn Raymond, Mariah Rogers, Sierra Snow **Holden**: Michael Bailey, Caroline Bush, Emily Gilmore, Leah Jennings, Maria Maxsimic, Cameron Oxley, Courtney Pearson, Collin Rhoads-Doyle, Jamison Rhoads-Doyle, Taylor Roy, Grace Smith, Betsy Spear, Deven Teisl **Howland**: Ciarra Jaszay **Hudson**: Katrina Bowden, Kendra Caruso, Sally Clark, Megan Haney, Mark Muir, Kiera Rush **Indian Island**: Claudia Cummings, Leigh Neptune, Tate Shibles **Lee**: Amelia Crise, Abbie Glidden, Mallory Maxwell **Levant**: Bryan Bouchard, Josh Peterson, Annie Treworgy **Lincoln**: Chris Anderson, Corbett Arnold, Keegan Farrington, Koby Farrington, Duncan McIntyre, Garrett Neal, Emily Robinson, Ethan Sibley, Taylor Wotton **Lowell**: Jeffrey Garfield, Kasha Sereyko **Mattawamkeag**: Bri Moody, Sam Neil **Maxfield**: Josie Harper **Medway**: Nick Powers **Milford**: Cedar Bagley, Brittany Cousins, Zoey Diba, Jessica Hayden, Noah LaPlante, Jenna Legere, Zac Libby, Cara Morgan, Harley Rogers, Julia Schnee, Dakota Scott, Bruce Wilson, Johnny Wolfington **Millinocket**: Caryn Boutaugh, Kacie McLaughlin **Newburgh**: Tyler Arbo, Mikayla Burridge, Macie Cote, Wesley Kauppila, Angela Rideout **Newport**: Katie Bell, Josh Emery, Brody Haverly-Johndro, Noah Kershner, Jerod Smith **Old Town**: Nolan Altvater, Devan Arnold, Ava Broderick, Chris Brunton, Johanna Burgason, Jacob Clark, Sarah Costello, Alyssa Coyne, Ben Crowley, Oliviah Damboise, Daniela Delpino, Charlie Duffield, Emma Elz Hammond, Rachel Emerich, Keegan Feero, Nick Feero, Kristen Freeman, Kendra Green, Derek Haas, Raegan Harrington, Jessup Henderson, Ethan Hill, Karah Hussey, Maddy Jackson, Victoria Kanagy, Jordan Kelley, Kat Klebon, Derek Knarr, Elena Kolesnikova, Chantel Lane, Lexi Laverdiere, Jon Maurer, Nicole McGrath, Kalee McLaughlin, Bethany Miles, Michael Morse, Kayla Murdaugh, Rachael Murphy, Sabrina Nuttall, Aubree Nygaard, Megan Paradis, Ben Quimby, Mindy Reeves, Caitlin Slocum, Emma Smith, Emily Stevens, Brooke Sulinski, Cameron Sullivan, Zoe Swett, Jake Tauke, Lauren Tibbits, Julia Van Steenberghe, Jose Vidaurri, Jarod Webb, Justin Wheeler, Casey White, Priscilla Whitney, Brad Wilkins, Sonja Williams, Jordan Yoder **Orono**: Jasmine Abou-Elias, Emilie Andersen, Sachristy Arakelian, Dawson Armistead, Logan Aromando, Alex Barnett, Jackson Baumann, Ben Blood, Cagney Bowen, Tom Bowie, Jack Brown, Brandon Burris, Cole Butler, Kirsten Caswell, Chelsea Chapman, Caleigh Charlebois, Christina Claudel, Aviana Coco, Jack Conant, Sarah Conner, Ally Cooper, Gabriella Cox, Tom Cox, Loreli Crawford, Jamie Crowley, Kim Crowley, Camille DeSilva, Lauren Dodge, Lindsey Dodge, Morgan Dodge, Susannah Drown, Cam Dubai, Ezra Estey, Olivia Fandel, Grace Farrington, Josh Fickett, Monica Figueroa, Kevin Finley, Zack Fisher, Mikaela Fleenor, Austin Gilboe, Nick Gilbert, Melodie Godin, Anthony Gray, Andrew Guimond, Brianna Goss, Taylor Hamm, Irja Hepler, Adrian Holesinsky, David Holmberg, Jessica Holz, Lanie Howes, Eva Jerome, Evan Jiang, Guanyu Jiang, Corey Kotfila, Parker Lambert, Amanda Laverdiere, Jenah Leeman, Noah MacAdam, Nina Mahaleris, Asher Mason, Alissa Mathieu, Connor McCluskey, Laina Mette, Robert Michaud, Shane Miller, Marlana Mix, Logan Molt, Brennen Moran, Carrie Murchison, Lydia Murray, Estella Myers, Jason Nagy, Gil Ngue, Jamie Normand, Will O'Neil, Joshua Oyugi, Josh Palmeter, Jared Parent, Jordan Parks, Andrew Pazzdziorko, Micaela Phillips, David Plouff, Joshua Poland, Brendan Qualls, Jordan Richards, Taylor Roos, Lysnie Russell, Matt Ryckman, Sean Sadler, Tarek Sager, Corey Salisbury, Dylan Schlichting, Logan Shannon, Zhecheng Shen, Shannon Smith, Ana Eliza Souza Cunha, Elizabeth Spiller, Sarah Storgaard, Amanda Sullivan, Phoenix Throckmorton-Hansford, Ali Tobey, Nickolas Tozier, Nikhil Vaidya, Desiree Vargas, Anthony Veenhof, Chris Vogel, Mickala Wheeler, Justin Wiggins, Abby Wingard, Kelsey Wojdakowski, Kelly Xiao, Zoey Zuo **Orrington**: Nicholas Bower, Alex Casburn, Mike Dunning, Darren Hanscom, Jw Harriman, Jonathan Kincaid, Meg Lander, Emily Norris, Tatum Peaslee, Ember Perry, William Prescott, Colby Reed, Lindsey Ruggiero, Dylan Wood **Plymouth**: Gabby Sands **Springfield**: Jennifer Munson **Stetson**: Anna Snow **Stillwater**: Nate St Jean, Drew St Jean **Veazie**: Brianna Ballard, Anna Dagher, Joseph Dagher, Liam Daniels, Grace Harman, Dale Hartt, Fazeel Hashmi, Courtney Hyde, Chris Johnson, Savannah Levesque, Emma Olmstead, Nate Reese, Anna Walz, Byron Winslow, Anna Zmistowski **West Enfield**: Jenna Hope

### Piscataquis County

**Beaver Cove**: Kiana Goodwin **Dover Foxcroft**: Racquel Bozzelli, Liam Cassen, Freddy Libby, Cooper Nelson, Emily Sprechter, Sebastian Zepeda **Ebeemee Township**: Blake Morrison **Greenville**: Audrey Arding **Greenville Junction**: Dylan Owens, Spencer Lee **Guilford**: Johan Halvorsen **Parkman**: Matthew Griffith, Allison Morin, Charis Morin **Sangerville**: Jacob Campbell

### Sagadahoc County

**Arrowsic**: Sean Detwiler, Olivia Shipsey **Bath**: Madison Burch, Andrew Dean, Keegan Denery, Dominique DePippo, Tessa Lindsley, Eli Munro-Ludders **Bowdoin**: Connor Bolduc, Aaron Dustin, Mikala Dwelley, Thomas Giggey, Colin Ingalls, Gideon Wheeler **Bowdoinham**: Matthew Donovan, Spenser Egan, Morgan Johnson, Rick Mann, Lydia Schneider **Phippsburg**: Gus Anderson, Ian Fernald **Richmond**: Hunter Curtis, Kylie Temple **Topsham**: Carly Cornish, Mike Crawford, Thomas Emerson, Rebecca French, Ryan Glass, Jason Halliday, Devin Hoskins, Emma Hutchinson, Matt Kenison, Joseph Knowles, Matt Lawrence, Hannah Moutal, Sabrina Paetow, Joseph Patton, Joey Reed, Ian Scanlon, Rachel Thieme, Erin Tome, Katie Trebilcock **West Bath**: Connor Bennoch, Baylie Cram, Caiden Fraser, Sarah Meyer-Waldo

### Somerset County

**Anson**: Sara Taylor **Athens**: Zachary Linkletter **Cornville**: Ryan Conway, Seth Pratt, Hunter Smith **Detroit**: Brianna Lavoie **Embden**: Carroll Chapman **Fairfield**: Dakota Hutchins, Ciera Poulin, Sam Wilson **Harmony**: Arend Thibodeau **Hartland**: Shelby Haskell **Jackman**: Ian West **Long Pond Township**: Elise McKendry **Madison**: Peter Boardman, Evan Brewer, Cassidy Clement, Seth Dillon, Nate Dimock, Jacob Girgis, Jordan Hadley **Mercer**: Jaycee Cushman, Jason Hilton **Moose River**: Caitlin Logston, Carson Veilleux **Moscow**: Loren Grant **New Portland**: Grace Cowan **Norridgewock**: Kaelie Merrill, Savanna Power, Sara Qualey **North Anson**: Sam Perro **Palmyra**: Laura Freudenberger, Colby Kreider, Ryan LaGross, Morganne Robinson **Pittsfield**: Hunter Benttinen, Josh Engelhardt, Hailey Gurney, Jordin Jakins, Cassie Miller, Braden Monteyro, Aaron Schanck, Devon Vamey, Sarah Welch, Jamie Wone **Saint Albans**: Carissa Pacheco **Shawmut**: Abby Weigang **Skowhegan**: Kaleb Austin, Kirstie Belanger, Rebecca Bell, Brooke Curtis, Colby Esty, Alex Higgins, Brandon Lapointe, Michaela Lewia, Sadie Libby, Ben Martin-Cooney, Julia Meade, Haley Surette **Smithfield**: Lucas Lenfest, Tanner Towle **Solon**: Brandon Dixon

### Waldo County

**Belfast**: Grace Bagley, Lucie Bonneville, Bingying Dong, Ashley Flanders, Patrick Groening, Emily Harriman, Tracey McKinney, Alyssa Simonds **Brooks**: Micaela Ellis, Sierra Fonger, Angela Holmes, Haley LaRochele, Nick Merriam, Jordan Quimby **Frankfort**: Brooke Hammond, Illia Horton, Kaitlyn Robinson **Islesboro**: Claudia Johnson **Liberty**: Bronwyn West **Lincolnville**: Patric Mooers, Alisha Pendleton, Kyle Wood **Montville**: Toby Pontillo, Skye Siladi, Asher Sizeler-Fletcher **Morrill**: Evan Kennedy, Colleen Sullivan **Northport**: Sharon Audibert, Hunter Merchant, Thomas Sigler **Palermo**: Olivia Bradstreet, Cheyanne Cersoli, Kaylee Porter, Caleb Tyler **Searsmont**: Mikayla Artkop, Anna Baiungo, Declan Brinn, Olivia Hills, Emily Jolliffe, Sadee Mehuren **Searsport**: Jay Burkard, Lydia Elwell, Daniel McKeon **Stockton Springs**: Lauren Burkard, Arthur Leighton, Bailey West **Swanville**: Hayle Grover, Kasey McLeod **Thorndike**: Kristen Raven **Troy**: Edward Angelo **Winterport**: Sarah Burby, Nancy DesJardin, Rachel Gower, Katie Later, Thomas Olver, Drake Perkins, Clara Simpson, Kayla Stromvall

### Washington County

**Baileysville**: Tanner White **Baring Plantation**: Tyler Bridges **Calais**: Katie Cavanaugh, Aly East, Dominic Gayton **Cherryfield**: Caryl Young **Columbia Falls**: Kayla Toppin **Cutler**: Alia Shaw **Danforth**: Kimberly Stoddard **East Machias**: Shaina Murdaugh **Harrington**: Shay Barbee Bamford **Jonesport**: Morgan Rocks **Machiasport**: Patrick Massaad, Rylea Steeves **Milbridge**: Maura Pate **Perry**: Madalyn Dana **Steuben**: Melanie Zablotny

### York County

**Acton**: Samuel Beaudoin, Emily Clarke **Alfred**: Joanna LaFrance, Sophia LaFrance **Arundel**: Erin Acheson, Katie Dube, Jenna Paul **Berwick**: Jacob Bradshaw, Abby Couture, Alli Grant, Morgan Griffin, Alex Menter, Jarrod Rudis, Hannah Wilson, Jacob Zenga **Biddeford**: Connor Bouffard, Marty Bushey, Courtney Heffernan, Emily Huo, Maegan Perrault **Buxton**: Bethany Ashley, Jordan Fournier, Niklas Hase, Virginia Hugo-Vidal, Alyssa Libby, Abby Logan, Erin McGlynn, Caitlyn Sharples **Cape Neddick**: Alex Mayo **Cornish**: Katie Tims **East Waterboro**: Jake Cyr, Andrew Lee **Eliot**: Simone Chagnon, Cad Dolan, Eliza Foye, Bryant Goodenough, Turner Goodenough, Emma Hichens, Brittany King, Peter O'Brien, Terence O'Brien, Amelia Rowell, Olivia Rowell, Marissa Sewell **Hollis Center**: Connor Baldwin, Andrew Ettinger, Cassidy Marston, Haley Robinson, Evan Smith, Jennifer Turner **Kennebunk**: Joseph Beaudoin, Joshua Erickson-Harris, Colleen Keegan, Johan Oosten, Katy Ross, Brennan Schatzball, Osiris Thomas, Julia Towne, Isaac Vaccaro **Kennebunkport**: Michael Conrad, Skye Crump, Stewart Doe, Miles Eaton **Kittery**: Ryan Campion, Amanda Cusack, Briana Lamoureux, Aidan Morrill, Amelia Sullivan **Kittery Point**: Mark Lambrecht, Belle Silbly **Limington**: Will Faunce, David Hegarty, Jordyn Long **Lyman**: Drew Brooks, Tyler Davis, Katherine Dupuis, Lila Harakles, Joel Van Tassel **North Berwick**: Jacob Burgess, Taylor Dupont, Carl Durocher, Alexy Hudock, Reilly McGilvery, Kody Moseley **North Waterboro**: Matt Gilbert, Kaylee Hayes **Old Orchard Beach**: Hunter Boutot, Danika Evangelista, Brendan Harlan, Bobby Slattery, Katie Spagnolo **Saco**: Stephanie Ayotte, Caleb Bailey, Spencer Campbell, Sophia Crockett-Current, Connor Donahue, Kate Dowling, Erin Farrell, Luke Gosselin, Abdullah Karim, Michael Kowash, Benjamin Leary, Charles Lees, Owen Lemoine, Ethan Levy, Hannah Maddix, Hannah McAlary, Cameron Mondor, Jason Morrill, Ashley Paul, Allie Romprey, Brogan Searle-Belanger, Kenneth Seneres, Dylan Smith, Ezra Stillman **Sanford**: Ethan Belanger, Becca Campbell, Vanessa Caron, Megan Charrier, Elaine Clark, Cam Cote, Isaac Desrochers, Scott House, Ethan Mathieu, Noah Monto, Uriah Noble, Nisha Patel, Quinn Severs, Matt Small, Travis Tovey **South Berwick**:

Renee Clavette, Brian Couture, Abby Doyle, Claudia Folger, Hailey Gagne, Stephen Kaplan, Sarah Oakley, Nate Poole, Mikaela Sansoucie, Alec Taylor, Ethan Trott, Janay Wright **Springvale:** Summer Bourque, Dean Johnson, Allison L’Heureux, Tian Morrison, Josh Webber, Matthew Webber **Waterboro:** Hannah Duffy **Wells:** Tim Bullard, Julianne Fitzpatrick, Kyle Goodale, Matthew Lavoie, Kate Macolini, Julia Nixon, Abigail Reese, Stephanie Woods **West Newfield:** Steele Muchemore-Allen **York:** Steven Blaine, Stephanie Brenna, Garrett Cronin, Ben Duffy, Jack Engholm, Cori Galante, Spencer Goulette, Katie Kohler, Anna Lane, Audrey Mitchell, Isabel Pease, Sophie Russell, Brett Smith [Back to full list](#)

## **Olivier to compete for Team USA at Pan American Games**

**25 Jun 2019**

James Olivier won the 800-meter at the USA Track & Field U20 Outdoor Championships on Sunday in Florida to earn a spot on Team USA that will compete in the 2019 Pan American U20 Championships in Costa Rica. The graduate of Cony High School won the final in 1:50.67. In March, Olivier set a UMaine indoor record (1:50.16) in the 800 as a first-year student at the IC4A Indoor Track & Field Championships. For more information, visit [goblackbears.com](#).

## **Republican Journal, Free Press preview Gandhi book signing, discussion with Allen**

**25 Jun 2019**

[Republican Journal](#) and [The Free Press](#) previewed a discussion and signing of “Gandhi After 9/11, Creative Nonviolence and Sustainability” by Doug Allen, the book’s author and a professor of philosophy at the University of Maine, and one of the world’s leading Gandhi scholars. The event, which is free and open to the public, will be at 3 p.m. July 6 at Old Professor’s Bookshop in Belfast. The book was published this year for the 150th anniversary of the birth of M.K. Gandhi, and explains how Gandhi’s life shows how to counter the violence, lack of morality and unsustainable living of our post-9/11 world, the articles state. For more information, call 338.2006.

## **UMaine Extension bulletin cited in Press Herald column on beneficial bugs**

**25 Jun 2019**

A University of Maine Cooperative extension bulletin was cited in a [Portland Press Herald](#) column titled “Pests in your garden? Encourage the good insects to get on the job.” “Over 97 percent of (insects, spiders and related species) usually seen in the home landscape are either beneficial or ‘innocent bystanders,’ according to the bulletin, “Beneficial Insects and Spiders in Your Maine Backyard.” Many of these beneficial insects kill the ones that are harmful or damaging to a garden. These good insects include lacewings, lady beetles, hover flies, and a variety of wasps and spiders, according to UMaine Extension. The bulletin recommended planting umbrels — a category that includes Queen Anne’s lace, yarrow, Angelica and fennel — to attract beneficial insects, as well as composites like sunflowers, coneflowers and daisies; and spikes, such as goldenrod, lavender and hyssop. The column cited several other ways to help plants resist insect damage listed in the bulletin, including, “Give them enough to drink. Don’t overfertilize, especially with nitrogen, which promotes the growth of aphids. Keep mulch away from the stems of plants.”

## **Bousfield quoted in MaineBiz article on Maine eco-entrepreneurs**

**25 Jun 2019**

Douglas Bousfield, Calder Professor in the Chemical and Biomedical Engineering department at the University of Maine, was quoted in a [MaineBiz](#) article about three Maine innovators in the green economy. Paramount Planet Product, a company that makes disposable consumer goods out of paper rather than plastic, was founded in 2017 by UMaine alumna Ariadne Dimoulas. The company is working with UMaine researchers and has pioneered a material called plaaper that is still in the prototype stage, according to MaineBiz. Dimoulas said the material seems like plastic but is really paper, and has huge potential for Maine’s paper industry. While the company seeks research funding and commercial partners, it is selling disposable coffee cup lids and partyware made in China from non-plastic material, the article states. “These lids could be produced in the state of Maine, increase demand for some woods, generate good jobs and attract investment to the region,” said Bousfield.

## **Bosma: Smartphone data could answer how people regulate emotions, lead to targeted treatment**

**25 Jun 2019**

What did you use your smartphone for today? To FaceTime with friends, order a Lyft, pay bills, Google whether it’s OK to feed peanut butter to dogs? For University of Maine clinical psychology doctoral student Colin Bosma, smartphones also are a research tool. This fall, 110 volunteer participants in his study will fill out a series of questionnaire assessments and watch a video clip from a sad movie scene while hooked up to an electrocardiograph. Then they’ll download an app developed in the Onnela Lab at the Harvard T.H. Chan School of Public Health to their smartphones that will collect data in real time for a week. Bosma will analyze participants’ digital footprints to assess whether people who struggle to regulate sadness in response to an event — as determined by the questionnaires and electrocardiograph — are less social and less mobile. Emotion regulation is the ability to intentionally reduce the intensity of an emotion. For example, a person saddened about the death of a friend might purposefully recall funny memories of the friend to feel better. People who have difficulty regulating sadness are more vulnerable to mental health problems, including depression. To completely understand emotion regulation, Bosma says an unobtrusive assessment of the construct — the person’s responses to sadness, anger or fear — as it occurs in the environment is needed. Digital sensors in smartphones can provide that. Every few seconds for seven days, the app will collect 12 types of data — including location from the Global Positioning System and acceleration. The app also will track how often the user is connected to Wi-Fi and Bluetooth as well as the frequency (not content) of texts and phone calls. Bosma says the data-driven psychological assessments have the potential to be more accurate than information collected from psychology studies in controlled lab settings. And they’ll lead to a better understanding of individual mental health issues, including depression, and therefore accelerate personalized treatment. “The ability to effectively regulate negative emotions is fundamental to well-being and mental health issues,” says Bosma. “Using data collected from the sensors in smartphones will create new knowledge about how individuals regulate their emotions in their day-to-day lives, as well as increase our ability to identify and target deficits in emotion regulation, improving outcomes for treatment.” The U.S. Department of Health and Human Services Centers for Disease Control and Prevention defines depression as a sad mood that lasts for a long time and interferes with normal, everyday functioning. In 2017 in the U.S., an estimated 17.3 million adults — 7.1 percent — and an estimated 3.2 million adolescents 12–17 years of age — 13.3 percent — had at least one major depressive episode, according to the National Survey on Drug Use and Health. The Association for Behavioral and Cognitive Therapies Research Facilitation Committee awarded Bosma \$1,000 for his study titled, “Do Digital Behaviors Describe Individual Differences in Emotion Regulation? Using Smartphone Data to Characterize Physiological and Subjective Responses to Sadness.” Emily Haigh, UMaine assistant professor of psychology and director of the Maine Mood Lab, is his adviser. Bosma, a Colorado native, is exploring doing post-doctoral work in a digital phenotyping lab. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## **Leslie, Wilson to share coastal community resiliency project**

**26 Jun 2019**

Heather Leslie and Carl Wilson will discuss “Building Coastal Community Resilience in Maine” at 10:30 a.m. June 28 in Brooke Hall at the University of Maine Darling Marine Center in Walpole. Leslie is the director of the DMC and a Libra Associate Professor of Marine Sciences. Her research on the ecology, policy and management of coastal marine ecosystem examines the link between humans and the coastal environment and evaluates marine management strategies. Wilson, who directs the Bureau of Marine Science at the Maine Department of Marine Resources, is pursuing a Ph.D. focused on the lobster fishery in the Gulf of Maine. Scientists at UMaine and the Maine DMR work together to provide decision-makers with information to make scientifically based decisions about marine resources vital to Maine communities and economies. Leslie and Wilson will discuss one such project that supports coastal community resilience. The collaboration includes scientists from UMaine, Maine DMR, Maine Sea Grant and Maine Center for Coastal Fisheries. This discussion is the first of seven in the DMC science seminar series. “Connecting people to the ocean” is the theme of the free, public talks scheduled for Fridays — except for July 5 — through Aug. 16. Faculty, students and alumni of UMaine’s School of Marine Sciences will lead discussions. For a list of topics and featured speakers, visit the Darling Marine Center [website](#). For more information or to request a reasonable accommodation, call 207.563.8135.

## **Penobscot Bay Pilot reports UMaine Hutchinson Center to offer group work program**

**26 Jun 2019**

[Penobscot Bay Pilot](#) reported the University of Maine Hutchinson Center in Belfast will offer a professional development program on the power of group work 8:30 a.m.–3:30 p.m. June 28. The program is designed for professionals interested in maximizing group work skills, including educators, health care workers, clergy, social workers and mental health professionals, the article states. The course fee is \$95 per person, \$50 for UMaine students; need-based scholarships are available. For more information, to register or to request a scholarship application or reasonable accommodation, contact Michelle Patten, 338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu). More information also is [online](#).

## **The County quotes Dwyer in article on potato planting, processing**

**26 Jun 2019**

[The County](#) quoted Jim Dwyer, a crops specialist with University of Maine Cooperative Extension, in an article about this season’s potato planting and processing in Aroostook County. Planting potatoes was a challenge throughout May because the state saw a relatively cool, wet spring, but now pretty much every potato field has been planted, according to Dwyer. “The crop really is made in July and August. The stands that are coming up look good. I think we’ll be in good shape,” he said. Growers of seed potatoes will be the only farms finishing up planting later, since they often plant later in warmer soil conditions, said Dwyer.

#### **The Guardian speaks with Jones in article about online advertising**

**26 Jun 2019**

[The Guardian](#) spoke with Nory Jones, a professor of management information systems at the University of Maine, in an article about online advertising and small businesses. Only a third of small businesses and microbusinesses have introduced online advertising in the past three years, according to the article, possibly as a result of lack of confidence regarding online advertising tools and lack of time to experiment with digital technologies. Jones, who has studied how a digital presence boosts consumers’ awareness of small companies, had a group of MBA students create e-commerce sites for small local businesses. One business, Till Farm Soaps, saw such an increase in demand that the website had to be scaled back because demand couldn’t be met between local stores, farmers markets, craft fairs and direct online orders combined. Jones’ project found that improving reach is not always the answer for small businesses that could be unable to scale up to meet increased demand. Additionally, she recommends businesses only engage with social media if their customer care is adequate and they can respond accordingly to comments. And online reviews should be monitored as well. “Today, the vast majority of consumers trust the opinions of strangers on the internet as much as their own friends,” said Jones. “While an online review coming from an anonymous user, or one that doesn’t seem genuine, won’t fall into this category, online reviews that are articulate, thorough and personal, much like an exchange between friends, carry a lot of weight.”

#### **Maine Edge publishes UMaine release on small mammal personality, forest structure**

**26 Jun 2019**

[The Maine Edge](#) published a University of Maine news release on a recent study led by UMaine researchers Allison Brehm, a Ph.D. student in wildlife ecology, and Alessio Mortelliti, an assistant professor of wildlife habitat ecology. The study’s focus was understanding how variation among individual seed-dispersing animals affects the seed dispersal process, and whether land-use change interferes with this process. The researchers found that preserving a range of different personality types within small mammal populations is critical for maintaining the key ecosystem function of seed dispersal, the release states. “Essentially our study demonstrates that the mind of a mouse could potentially affect the whole structure of a forest,” said Mortelliti.

#### **LA Times quotes Socolow in article on Apollo 11 moonwalk**

**26 Jun 2019**

The [Los Angeles Times](#) quoted Michael Socolow, an associate professor of communication and journalism at the University of Maine, in the article “50 years later, TV is still enamored of the Apollo 11 moonwalk.” Many television channels will air special programs featuring original footage of the voyage, and coverage of celebrations in honor of the 50th anniversary of the event. One constant in the commemorations is vintage video and audio of CBS News anchor Walter Cronkite, the top-rated network anchor at the time of the Apollo 11 launch, the article states. “The moonshot was the one place where Walter Cronkite’s patriotism could not be questioned,” Socolow said. “It was finally good news in the context of the Cold War and American innovation and ingenuity. It was kind of a restoration and looking ahead at the ’70s instead of the bad news of the ’60s.” [Chicago Tribune](#) carried the LA Times article.

#### **Jones featured in WalletHub piece about best, worst places for Fourth of July celebrations**

**26 Jun 2019**

Nory Jones, a professor of management information systems at the University of Maine, was featured in the “Ask the Experts” section of the [WalletHub](#) study “2019’s Best & Worst Places for 4th of July Celebrations.” “There are several unique and affordable July 4th celebrations in Maine. What makes each of these unique is the old-fashioned, small-town feel to them,” Jones said. She recommended the “very traditional and patriotic” parade in Bangor, followed by celebrations around town and fireworks over the Penobscot River in the evening. And Jones noted Eastport’s July Fourth celebration offers a great value since hotels, Airbnb’s and restaurants there are less expensive than in major cities. She said people can “make a nice vacation getaway of it” by visiting Bar Harbor and Acadia National Park while they stay in Maine, and stopping in towns like Camden, Boothbay Harbor, Kennebunkport and others on their way home after the holiday.

#### **Brewer quoted in Vox article on Sen. Susan Collins**

**26 Jun 2019**

Mark Brewer, a professor of political science at the University of Maine, was quoted in the [Vox](#) article, “Why Democrats think 2020 is the year they can defeat Susan Collins.” Some potential challengers to Collins already have emerged, but she still has a strong presence and image in the state, according to Vox. “I think there’s a bunch of different people whose names are floating around out there; I don’t think any of them are causing Susan Collins to stay up at night,” said Brewer.

#### **WVH speaks with Dill about mosquitoes**

**26 Jun 2019**

[WVH](#) (Channel 7) spoke with Griffin Dill, integrated pest management professional for University of Maine Cooperative Extension, for a report on large numbers of mosquitoes in Maine as a result of recent rainy weather. “The mosquitoes tended to stay inactive in the early spring and then all emerged in early June. So for the month of June, we’ve seen high mosquito activity, a lot of mosquitoes out. So certainly something that we’re seeing on a statewide basis,” said Dill. “In Maine, West Nile Virus and Eastern Equine Encephalitis are both serious illnesses that have been found. Fortunately, they are relatively rare but they are something to think about. It’s a little bit moving beyond just the simple annoyance that’s posed by mosquitoes and moving into that threat of disease.” To discourage mosquitoes, Dill recommends people wear long-sleeve clothing, use bug spray and get rid of standing water — birdbaths, clogged gutters, and any other area that can accumulate standing water, since even a tablespoon of water is enough for mosquitoes to breed. “If the rainy weather continues throughout the summer then certainly we could see elevated mosquito activity for the entire summer,” Dill said. “We’re hoping that it will kind of warm up, dry out, we’ll have our normal sunny summer. But if we don’t see that, then certainly the mosquito activity could be an issue all year long.”

#### **Poet laureate to read Alpert’s ‘Walden Pond’ on Maine Public**

**27 Jun 2019**

Stuart Kestenbaum, Maine poet laureate, will read Michael Alpert’s poem, “Walden Pond,” on Maine Public on June 28, at 1:55 p.m. and 7:55 p.m. and on Maine Public Classical at 11:55 a.m. and 4:55 p.m. Alpert is the director of the University of Maine Press, a division of Fogler Library. The reading is part of Maine Public’s “Poems from Here” series co-sponsored by the Maine Writers & Publishers Alliance. Maine Public and Maine Classical are accessed through Maine Public’s [website](#). To access both radio channels, click the play button. The broadcast will be archived on the site with other poems in the series.

#### **Press Herald interviews McNerney, Dill about consequences of cold, wet spring**

**27 Jun 2019**

Kathleen McNerney and Griffin Dill talked with the [Portland Press Herald](#) about repercussions of Maine’s cool, wet spring. McNerney, home horticulture coordinator for University of Maine Cooperative Extension in Falmouth, said she doesn’t anticipate this will be a good season for tomatoes. Worried gardeners have been calling and emailing her and sending samples of fungi, beetles and ticks. She recommends mesh floating row covers to keep pests off plants and to reduce the amount of water splashing on them. McNerney forwards ticks to Dill, an integrated pest specialist at UMaine who manages the Tick Lab at the Diagnostic and Research Laboratory. Since April 1, Dill says the lab has gotten about 1,100 ticks inside envelopes in plastic bags. Tick identification — which is helpful because some tick species carry Lyme or related diseases — is free. The lab charges \$15 for testing to determine if a tick carried a disease. Dill said that of the tested ticks, about half have tested positive for a disease.

#### **Brewer shares insights about legislative bans with Portland Press Herald**

**27 Jun 2019**

University of Maine political scientist Mark Brewer told the [Portland Press Herald](#) and Morning Sentinel/Kennebec Journal that having Democratic control of the House, Senate and Blaine House was likely the biggest driver the “year of the ban.” This session, lawmakers outlawed so-called conversion therapy to change sexual orientation, as well as schools from using Native American mascots, single-use plastic grocery bags, motorists from using handheld cellphones, schoolchildren from vaping and minors from using tanning beds. “I don’t know if that’s the whole story, though,” said Brewer. “If you look at a variety of issues, policymaking can be slow. It sometimes takes multiple times for things to get through.” Brewer said thoughts about so-called conversion therapy likely have shifted to where legislative support matches public support. But, he said, from a Republican perspective the bans might give the impression that the government is telling people how to live their lives. “I think for some people these are going to seem like perfect examples of government overreach,” he said.

## **NCAA nominates Rossignol for Woman of the Year award**

**27 Jun 2019**

The NCAA has nominated Parise Rossignol, former standout player and now assistant coach for the University of Maine women’s basketball team, for its Woman of the Year award. The award recognizes academic achievement, athletic excellence, community service and leadership. Rossignol is pursuing a master’s degree in secondary education. As an undergraduate secondary education major, she made the Dean’s List seven times. The Van Buren native also was a UMaine Presidential Scholar and made the 2019 America East All-Academic Team. On the court, the America East Woman of the Year finalist tallied 567 points, 201 rebounds and 74 assists. Rossignol owns the Black Bear record for 3-point field goals (8) in a game. The NCAA Woman of the Year will be announced Oct. 20 in Indianapolis. For more information, visit [goblackbears.com](#).

## **Dunning named UMaine’s first ABET Fellow**

**28 Jun 2019**

Scott Dunning, director of the University of Maine School of Engineering Technology and professor of electrical engineering technology, has been named a 2019 Fellow of the Accreditation Board for Engineering and Technology (ABET). The Fellow of ABET Award recognizes individuals who have given sustained, quality service to their fields and to the board’s accredited disciplines. The awards will be presented Nov. 1 in Baltimore, Maryland. [ABET](#) is the lead organization that accredits college and university programs in applied and natural sciences, computing, engineering and engineering technology at the associate, bachelor’s and master’s degree levels. All seven of UMaine’s engineering programs and its four engineering technology programs are ABET accredited. For more than two decades, Dunning has served on national and international ABET accreditation teams. He has spent the last six years in the executive leadership of ABET’s Engineering Technology Accreditation Commission, most recently as past chair. “It has been incredibly helpful to serve as a volunteer with ABET,” Dunning says. “I have been able to see how many other programs around the world train future engineers, which has allowed me to share what I have learned for the continuous improvement of our engineering technology programs.”

## **UMaine to offer ‘cost of attendance’ funds for scholarship hoop players, BDN reports**

**28 Jun 2019**

The [Bangor Daily News](#) reported that in addition to athletic scholarships that cover tuition, room and board, and textbooks, the University of Maine will begin providing men’s and women’s basketball players money for other costs related to attending school. In 2015, the NCAA established a policy so student-athletes receiving a full scholarship also were eligible for funds to meet the full cost of attendance. America East will require member schools to offer these funds to men’s basketball players by the start of the 2020–21 season to elevate the league’s profile, the BDN reported. “[America East is] saying you just have to do it for men’s basketball, but honestly when you’re thinking about Title IX and gender equity-related concerns, you better be providing it for women’s basketball as well,” UMaine athletic director Ken Ralph told the BDN.

## **Mainebiz details University of Maine System plans to increase nursing enrollment**

**28 Jun 2019**

[Mainebiz](#) reported the University of Maine System is striving to make good on its pledge to double nursing enrollment over the next five years to address a statewide shortage of nurses. Chancellor James Page said the system launched the [Maine University Nursing Workforce Plan](#) last fall in response to a projection of 2,700 nursing vacancies by 2025. “Our universities are therefore expanding programs into underserved regions, offering new online nursing education and leadership learning opportunities for existing nurses, creating early college certificates to help high school students prepare for Maine health careers, and expanding partnerships with community health care providers,” said Page in the article.

## **The County covers retiring potato expert Jim Dwyer**

**28 Jun 2019**

[The County](#), the hub for the Aroostook Republican, Houlton Pioneer Times and The Star-Herald, featured longtime potato expert Jim Dwyer, who is retiring this summer from the University of Maine Cooperative Extension and becoming a professor — the Robert Vinton Akeley Chair of Agricultural Science and Agribusiness — at the University of Maine in Presque Isle. “To help build a new program will be exciting,” says Dwyer, who will teach classes in farm safety, integrated pest management and entomology. The Houlton native says he’s looking forward to teaching the next generation of agricultural professionals. “I think there will be young scientists who are interested and willing and able to work in this. A field office is unique. You are on the front lines working with growers,” he says. “It’s been very rewarding to see students who’ve worked for me in the summertime become active in the industry.”

## **San Antonio Express-News announces Curry to guest coach for Spurs**

**28 Jun 2019**

The [San Antonio Express-News](#) reported that University of Maine men’s assistant basketball coach Edniesha Curry is one of two women who will be a guest coach on Blake Ahearn’s staff next week in the 2019 Salt Lake City Summer League. Curry is the lone female assistant coach in Division I men’s basketball. The Spurs made history in 2014 by hiring Becky Hammon as the NBA’s first full-time, paid female assistant. [WABI](#) (channel 5) and the [Bangor Daily News](#) also reported on Curry guest coaching the San Antonio Spurs. In addition to her college playing and college coaching resume, Curry played professionally with the WNBA’s Phoenix Mercury and Los Angeles Sparks and played professionally in Greece, Poland, Israel and Hungary. Four women are currently NBA assistants — Becky Hammon with the Spurs, Jenny Boucek with the Dallas Mavericks, Lindsay Gottlieb with the Cleveland Cavaliers, and Kara Lawson with the Boston Celtics.

## **Courier-Gazette advances 4-H Summer of Science in Rockland**

**01 Jul 2019**

[The Courier-Gazette](#) advanced the free 4-H Summer of Science Program for youth in grades 3–7 from July 12 to Aug. 16 at the Rockland Public Library. Participants will learn about catapults and the science of ocean water and will confront real-world challenges to navigate their pirate ship. Sign up at the library or call 207.594.0310.

## **WABI covers ribbon-cutting of Lafayette and Rawcliffe 4-H Science and Engineering Learning Center**

**01 Jul 2019**

[WABI](#) (channel 5) covered the ribbon-cutting at the Lafayette and Rawcliffe 4-H Science and Engineering Learning Center, established by University of Maine Cooperative Extension and the Maine 4-H Foundation. “We’re fully connected via technology... if we need the ability to bring youth here in this area and connect them with other folks around the state and around the world,” says Hannah Carter, dean of Cooperative Extension. Youth can participate in workshops and connect with UMaine faculty and student researchers. The building also will house 4-H STEM Ambassadors, the 4-H STEM Toolkit Lab and Lending Library, Follow a Researcher™, 4-H Science Saturdays, and 4-H@UMaine.

## **WVH, News Center run with story of Olivier competing at Pan American Games**



**01 Jul 2019**

[WVH](#) (channel 7) and [News Center Maine](#) reported that University of Maine rising sophomore James Olivier earned the right to compete in the 800m for Team USA at the 2019 Pan American U20 Championships by winning the race at the USA Track & Field U20 Outdoor Championships. “Hopefully I make it through the prelim, right now it’s looking like I might have to do something special again to make the final but I’m gearing up to race fast and have fun again,” Olivier told WVH.

#### **Maine Public, WABI talk with Handley about late strawberry season**

**01 Jul 2019**

David Handley, vegetable and small fruit specialist with University of Maine Cooperative Extension, told [Maine Public](#) that this year’s rainy, cool weather has delayed the strawberry season in most of the state by 10 to 14 days. In the southern portion, Handley said the season was likely to begin last weekend. Moving north, “you’re going to see people starting to open next week, kind of maybe in the middle of the week,” he says. If temperatures warm, Handley says the season could last as long as three weeks for many varieties, and longer in northern Maine. The [Bangor Daily News](#) ran the Maine Public article. Handley told [WABI](#) (channel 5) that due to the wet and cool weather, strawberries are just now ripening at the University of Maine Cooperative Extension Highmoor Farm in Monmouth. “Our biggest worry right now is that if the rain keeps up, we have rainy weekends, the families don’t show up to pick the berries,” said Handley.

#### **Bangor Daily News highlights Hirundo Wildlife Refuge**

**01 Jul 2019**

The [Bangor Daily News](#) featured the University of Maine-owned 2,460-acre Hirundo Wildlife Refuge in Old Town. The nonprofit organization Hirundo maintains the refuge and conducts its public programming, including full moon paddles. The refuge is the site of a former Red Paint Indian fishing village, according to the article. The refuge is open, free of charge, from dusk to dawn seven days a week.

#### **AP shares Wahle’s data indicating fewer baby lobsters in Gulf of Maine**

**01 Jul 2019**

The [Associated Press](#) reported that Rick Wahle’s lobster settlement index shows that baby lobsters are still appearing in high numbers off some parts of Canada but are tailing off in New England. The University of Maine scientist’s just released 2018 data from 23 areas from Rhode Island to Prince Edward Island, Canada indicate high totals in St. Mary’s Bay, Nova Scotia, and the southern Gulf of St. Lawrence, but low numbers in Maine’s Midcoast region and Casco Bay, according to the article. “It’s as if this wave that has crested in Maine is now increasing in Atlantic Canada,” says Wahle, who adds the decline in settlement in the Gulf of Maine has “raised concerns over the future of this region’s fishery.” Maine’s haul of lobsters peaked at 132.6 million in 2016 and fell to 111.9 million in 2017, according to the article. [Maine Public](#), [WABI](#) (channel 5), [News Center Maine](#) and the [Bangor Daily News](#) carried the AP story. [The Ellsworth American](#) also published an article on the topic and the [BDN](#) cited the information in another report on climate change causing a significant shift in coral reef populations. [Pattaya Mail](#) carried the AP story.

#### **DMC invites harvesters to take part in shellfish project**

**02 Jul 2019**

Scientists at the University of Maine Darling Marine Center invite current and past shellfish license-holders to participate in shellfish surveys in July on Damariscotta tidal flats. The surveys will inform stewardship of shellfish resources managed jointly by the towns of Damariscotta and Newcastle. DMC researcher Kara Pellowe will lead the survey team as it gathers data at low tide to assess the abundance, composition and size of soft-shell clams and other shellfish harvested in the area. “Our flats support a variety of shellfish, including soft-shell clams, quahogs, razor clams, blue mussels, American oysters and European oysters,” says Pellowe. Survey participants will be paid \$100 per day, for hands-on assistance July 5–12, July 18-19 and July 23–26. The research — “An assessment of shellfish resources for coastal resilience and management: Documenting historical and current trends in the Damariscotta and Sheepscot River tidewater flats” — is a part of a project led by the town of Damariscotta. Damariscotta town manager Matt Lutkus submitted a proposal to the Broad Reach Fund in January 2019 on behalf of the Damariscotta/Newcastle Joint Shellfish Committee. The town was awarded \$13,173 to conduct the work, which is being matched with in-kind contributions from shellfish committee members and other volunteers, as well as the town of Damariscotta and the University of Maine. The project is one of 15 statewide, thanks to a collaborative initiative involving the Broad Reach Fund of the Maine Community Foundation, the Maine Shellfish Advisory Council, and the University of Maine Department of Communication and Journalism and the Senator George J. Mitchell Center for Sustainability Solutions. More information on the initiative is on the Maine Shellfish Restoration and Resilience Project [website](#). Area harvesters have noted interannual fluctuations in shellfish resources and the shellfish committee and towns of Damariscotta and Newcastle have lacked scientific data when updating shellfish management. These surveys are a step toward filling the data gap and developing strategies that enhance productivity of the wild shellfish resource and coastal community resilience more broadly. “This collaborative project is gathering some of the first data on the health of these populations and will hopefully contribute to more proactive management in the future,” says Lutkus. “I’m looking forward to learning of the team’s results.” DMC researchers also invite current and past shellfish harvesters to take part in 30-minute interviews about their experiences, knowledge and concerns related to the area’s shellfish resources. Information will be integrated with the biological survey data and presented in the fall to the towns’ joint shellfish committee. For more information or to volunteer, contact Pellowe at 303.895.7674.

#### **Darling Marine Center called a sentinel site of change in Times Record article**

**02 Jul 2019**

The University of Maine Darling Marine Center was mentioned in a [Times Record](#) article about Bowdoin College’s Schiller Coastal Studies Center, which is undergoing a multi-million dollar expansion. Center director David Carlon said research centers like the Schiller Center and the DMC are “invaluable now as sentinel sites of change.”

#### **Poet laureate reads Alpert’s ‘Walden Pond’ poem on Maine Public**

**02 Jul 2019**

Stuart Kestenbaum, Maine poet laureate, read Michael Alpert’s “Walden Pond” poem on [Maine Public](#). Alpert, director of the University of Maine Press, wrote the poem’s first draft in September 2018 after visiting the site of Thoreau’s cabin. On his walk around the pond, he spotted a loon swimming peacefully and fantasized it was a descendant of a loon that Thoreau wrote about playfully chasing in his boat in the *Brute Neighbors* chapter in “Walden.” The last line of Alpert’s poem: “Without guile, she bobs and bobs, certain of her place on the pond’s ripples.”

#### **New York Review of Books publishes letter signed by Knowles urging retraction of condemnation of Holocaust analogies**

**02 Jul 2019**

University of Maine historian Anne Knowles was one of more than 140 Holocaust scholars, historians and genocide experts who signed an open letter urging the United States Holocaust Memorial Museum to retract its “[Statement Regarding the Museum’s Position on Holocaust Analogies](#)” that condemned the use of Holocaust analogies. The letter ran in The [New York Review of Books](#) section online. “Scholars in the humanities and social sciences rely on careful and responsible analysis, contextualization, comparison, and argumentation to answer questions about the past and the present...The Museum’s decision to completely reject drawing any possible analogies to the Holocaust, or to the events leading up to it, is fundamentally ahistorical,” they wrote. “The very core of Holocaust education is to alert the public to dangerous developments that facilitate human rights violations and pain and suffering; pointing to similarities across time and space is essential for this task. We hope the Museum continues to help scholars establish the Holocaust’s significance as an event from which the world must continue to learn.” [Newsweek](#) and [The Hill](#) wrote articles about the letter.

#### **Black Bear football tickets go on sale July 8**

**02 Jul 2019**

While University of Maine students receive free tickets to home football contests, other Black Bear fans can score single-game tickets starting at 10 a.m. Monday, July 8. Season memberships to watch the defending Colonial Athletic Association champions also are available and start at \$65. Season memberships entitle holders to a free tailgate parking pass. The Black Bear home schedule: Sacred Heart on Aug. 30; Towson University on Sept. 14, University of Richmond on Oct. 12, William & Mary on Oct. 26 (Homecoming); and University of Rhode Island on Nov. 16. For more information, including how to secure tickets, visit [goblackbears.com](#).

## CCA's 2019–20 season offers variety of music, dance and more

02 Jul 2019

Concerts, dance and magic shows, Broadway musicals and more all take the stage as part of the Collins Center for the Arts' 2019–20 season at the University of Maine. "The season represents weeks, months, and sometimes years of work," says Daniel Williams, executive director of the Collins Center. "Our team has once again put together fabulous offerings with something for everyone. New this season is something we're calling Music in Minsky. This will include our long-standing chamber music series along with two jazz concerts featuring top jazz artists. We're also excited to be expanding our broadcast options to include Broadway musicals." The season kicks off with a performance by Chubby Checker and The Wildcats on Sept. 13. When he appeared on American Bandstand in 1960 and performed "The Twist," he revolutionized popular culture and changed the music business forever. Every time Chubby steps onto a stage, he demonstrates charisma and a unique quality that can never be equalled, and he only gets better with time. Other September shows will include a performance by violinist Bomsori Kim and pianist Philip Chiu on Sept. 15; and a CCA Gala performance by Bobby McFerrin, the 10-time Grammy winner and music industry rebel who single-handedly redefined the role of the human voice with his a cappella hit "Don't Worry, Be Happy," on Sept. 28. October offers a varied lineup, beginning with a concert by jazz pianist and composer Bruce Barth and clarinetist-saxophonist Anat Cohen on Oct. 4. Next is a tribute show celebrating the 50th anniversary of "The White Album" by The Beatles on Oct. 7. Cirque Mechanics presents "42FT: A Menagerie of Mechanical Marvels" on Oct. 10 — a show inspired by modern circus, with roots in the mechanical and its heart in the stories of American industrial ingenuity. Lyn Dillies will perform a magic show full of spectacular, eye-defying illusions on Oct. 18; comedian Bob Marley returns to the CCA stage on Oct. 19; and singer-songwriter Rosanne Cash will perform on Oct. 26. In November, come see "The Office! A Musical Parody" on Nov. 3; favorite moments from all nine seasons of the hit TV show are mashed up into one "typical" day for a musical that lovingly pokes fun at everyone's favorite coworkers. The Jupiter String Quartet will perform on Nov. 8; Kuné — Canada's Global Orchestra, created to explore and celebrate Canada's diversity and pluralism and communicate through music as a common language, will give a concert on Nov. 15; and an event with Rainforest Reptile Shows featuring live animals from around the world will take place on Nov. 17. December is marked by a Broadway-style production of "A Christmas Carol" with Nebraska Theatre Caravan on Dec. 12, and a Christmas concert by London-based a cappella band The Swingles on Dec. 17. In January, the CCA will host a performance of "The Simon & Garfunkel Story" on Jan. 21. Starting from their humble beginnings as '50s rock 'n' roll duo Tom & Jerry, the show journeys through all the songs and stories that shaped them, telling the fascinating tale of how two young boys from Queens in New York City went on to become the world's most successful music duo of all time. February offers shows ranging from a Broadway revival of "The Color Purple," the story of a young woman's journey to love and triumph in the American South, on Feb. 3; to music and dance groups including Viva MOMIX, a performance combining illusion, beauty, magic, fun and inventiveness by the group of dancer-illusionists on Feb. 5; Septura, a brass septet, on Feb. 16; Drum TAO 2020, by the internationally acclaimed Japanese percussion group, on Feb. 21; and a stop on the final world tour of The Irish Rovers on Feb. 25. The March lineup includes FLEX AVE. by Jamaican street dance-inspired group Flexn on March 1; "Finding Neverland," the story of playwright J. M. Barrie's creation of Peter Pan, on March 2; and the Surrealism-inspired Miró Quartet on March 29. April is packed with entertainment, with shows to include a concert with vocalist, guitarist and composer Camila Meza and jazz pianist Aaron Goldberg on April 4; "The Choir of Man," a high-energy musical set in a working pub, on April 8; children's musical "Llama Llama – Live!" based on Anna Dewdney's bestselling books on April 9; and vocal ensemble Stile Antico on April 19. The mainstage season wraps up with "An American in Paris" on April 19. The CCA also offers screenings of theatre and opera broadcasts throughout the year as part of the National Theatre Live and The Met: Live in HD series. This season's theatre titles include "Small Island" on Sept. 6 and "Present Laughter" on Jan. 17; opera titles include "Madama Butterfly" on Nov. 16 and "Porgy & Bess" on Feb. 1. There also will be a special broadcast of the Broadway classic "42nd Street" on Oct. 20. The Bangor Symphony Orchestra performs shows at the CCA throughout the year as well, including the Masterworks series and annual performances of "The Nutcracker" in collaboration with Robinson Ballet and the Bangor Area Children's Choir. Williams says, "It is our pleasure to provide a beautiful venue where you can see performers up close and personal at a reasonable price. Parking is a breeze, and you can take treats straight to your comfortable seats." Subscriptions for the 2019–20 season are now on sale. Single ticket sales begin July 10. For more information, to view the full season schedule or to purchase tickets, visit [collinscenterforthearts.com/events](http://collinscenterforthearts.com/events). Contact: Cleo Barker, 207.581.3729

## Ana Breit: Ph.D. student researches small mammals in Borneo

02 Jul 2019

Ana Breit, of Wisconsin Rapids, Wisconsin is in Borneo this summer studying small mammals in the field. The ecology and environmental sciences Ph.D. student is studying body temperature regulation in small tropical mammals, which are likely to be affected by climate change in the near future. "Most animals have a range of temperatures where they don't have to use energy to maintain a steady body temperature, and we call this the thermal neutral zone," says Breit, who works in the lab of Danielle Levesque, assistant professor in the School of Biology and Ecology. "In the tropics, we only know the thermal neutral zone of a few animals, but having that information will help us better predict how animals will be affected by changes in their climate and whether or not they will be able to adapt to those changes." In Borneo, Breit is measuring the metabolic rates of squirrels, treeshrews and rats at different temperatures to determine how temperature affects their physiology. "I am passionate about this field because I feel like I'm actually making a difference and doing something novel," she says. "My research will be used to inform people about the physiology of these animals and what their limits are in regards to ambient temperatures at which they can survive. Other scientists will then be able to use this new information to make models of how we expect climate change to affect animals in different parts of the world." Outside the classroom, Breit enjoys running and playing soccer, and since coming to Maine is trying to learn how to cross-country ski. "I love how UMaine is in a quiet town and close to so many outdoor activities," says Breit. "I think that access to so many beautiful natural places has affected the culture of the school and brought a lot of adventurous, outdoor-loving people together to make an awesome community." She values travel, too, especially because it has helped her learn about different cultures, opinions and ideas, and allowed her to push her own limits. "It can really affect your worldview and change the way you see and think about so many different aspects of your life," she says. Contact: Cleo Barker, 207.581.3729

## Want to be a marine scientist? Visit the Darling Marine Center

03 Jul 2019

Prospective students interested in marine sciences are encouraged to meet faculty and undergraduates and tour the University of Maine Darling Marine Center at one of two July open house events. Faculty and undergraduate students will be at the Walpole waterfront campus to talk about the School of Marine Sciences (SMS) academic program as well as educational and research opportunities at the DMC on July 9 and July 23, 1–3:30 p.m. Based in Orono, the SMS is UMaine's center of excellence for all aspects of marine-related research, education and public service. With more than 30 faculty members, the SMS represents one of the strongest programs in the United States. The more than 275 undergraduates enrolled in bachelor's degree marine science programs can specialize in aquaculture, marine biology or oceanography. A variety of opportunities are available for SMS students at the DMC, including internships, Semester By the Sea (SBS) and scientific diving certification. Summer internships involve research in aquaculture, marine fisheries, biogeochemistry and marine management. SBS participants live in the waterfront dormitory during the fall semester and study a wide range of disciplines that prepare them for a career or advanced degree in marine science. Classes meet once a week and include lectures, labs and field trips. UMaine's scientific diving program is based at the DMC. Students interested in becoming scientific divers are trained to American Academy of Underwater Sciences standards and use scuba techniques to explore the underwater environment. To register for an open house, visit the [website](http://website) of the University of Maine Office of Admissions.

## TRJ advances free oceanography course at UMaine Hutchinson Center

03 Jul 2019

[The Republican Journal](#) advanced the free Concepts of Oceanography summer course for high school students at the University of Maine Hutchinson Center. The course meets 3–8:15 p.m. Mondays and Wednesdays from July 15 to Aug. 26. Through a partnership between the Maine Department of Education and the University of Maine System, tuition for this and other courses is waived for qualified high school students. For more information, contact Allison Small, Early College Programs coordinator, 207.581.8004, [allison.small@maine.edu](mailto:allison.small@maine.edu) or [um.earlycollege@maine.edu](mailto:um.earlycollege@maine.edu).

## Maine Edge reprints release about Bosma's smartphone emotion regulation study

03 Jul 2019

[The Maine Edge](#) reprinted a University of Maine media release about clinical psychology doctoral student Colin Bosma's emotion regulation study. He'll analyze study participants' digital footprints to assess whether people who struggle to regulate sadness in response to an event — as determined by the questionnaires and electrocardiograph — are less social and less mobile. The Association for Behavioral and Cognitive Therapies Research Facilitation Committee awarded Bosma \$1,000 for his study titled, "Do Digital Behaviors Describe Individual Differences in Emotion Regulation? Using Smartphone Data to Characterize Physiological and Subjective Responses to Sadness."

## Ryder Scott included in Hechinger Report story about Telstar Freshman Academy

03 Jul 2019

Ryder Scott, statewide director of the University of Maine 4-H Camps and Learning Centers, was mentioned in The Hechinger Report's [story](#) about Telstar Freshman Academy (TFA). The academy is for first-year students in MSAD 44 in western Maine, where half qualify for free or reduced-price lunch, and many are in families experiencing unemployment, domestic violence or substance abuse. All district ninth graders attend TFA weekday mornings at the University of Maine 4-H Camp & Learning Center at Bryant Pond to participate in hands-on learning activities that encompass several disciplines. Scott helped create the innovative program that merges outdoor and farm-based education with academic instruction. Five faculty members — a humanities teacher, a science teacher, an outdoor education teacher and two 4-H professionals — lead personalized learning projects, including caring for goats, planting a self-sustaining garden, rock climbing and running a restaurant, according to the article. "This style of learning, this family atmosphere that we have here, it's a real positive in kids' lives," said science teacher Kelly Dole. [KQED](#) in California reprinted the story.



## Ranco talks with News Center Maine about Penobscot signage on campus

03 Jul 2019

Darren Ranco, associate professor of anthropology and coordinator of Native American research, talked with [News Center Maine](#) about Penobscot language being added to signage on campus. The University of Maine is on Marsh Island, which Ranco says was the most important residential island, especially before the 19th century, for Penobscot people. “That sense of recognition, I think, is a real important step forward in being like, yes, finally someone is recognizing this is our territory,” Ranco told News Center. “It would be great to see the rest of the university community respond to that deep cultural history and feel connected to it in a way that Penobscot people do.” [WABI](#) (Channel 5) and the [Bangor Daily News](#) also reported on the new signage. Ranco told the BDN that the Penobscot words aren’t exact translations of the English words. “It’s something else. It’s interpretation. It’s an act of creation. It was a very thoughtful process. We really had to think about what each place means within the context of the landscape.” [The Penobscot Times](#) published a UMaine news release about the new signage.

## Archeological research at UMM gets a boost from anonymous donor

08 Jul 2019

The University of Maine at Machias has received a gift of \$12,500 from an anonymous donor that will help fund continuing efforts to research, record and archive petroglyph sites on Machias Bay, head of campus Andy Egan has announced.

Machias Bay is home to one of the largest concentrations of petroglyphs on the Atlantic coast of North America, according to archeologists. The ancient images were pecked into tidal rocks by the Passamaquoddy people as many as 3,000 years ago and depict animals, humans and shamanic rituals. Bernie Vinzani, a professor of interdisciplinary fine arts at UMM, and Jamie Moreira, associate professor of community studies, lead a summer class on field trips to study the petroglyphs. On a recent trip, Vinzani says, students uncovered what he believes may be a previously unrecorded carving. The anonymous donor was inspired by news of the possible discovery, which has been shared with tribal historian Donald Soctomah for further review. UMM has supported various projects related to the sites, working closely with members of the Passamaquoddy tribe. A series of surface rubbings of the petroglyphs created in the 1970s by now-retired archeologist Mark Hedden is housed at the university and has previously been exhibited at the UMM Art Gallery. The prints provide an essential historical record of the carvings in stone, which are susceptible to damage and may one day be lost to rising sea levels. Another past UMM project involved creating a digitized map of a key petroglyph site in Machiasport. Students in UMM’s Geographic Information Systems lab drew from existing surveys and their own work in the field to complete the project, which was led by Hedden, Soctomah and professor Tora Johnson, director of the GIS Service Center. Vinzani says he will consult with tribal members on the best use of the donated funds. “My goal,” says Vinzani, “with the help of my Passamaquoddy friends, is to help our students understand the place where they live and study, the people who lived here before the European settlements, and the rich culture of the people of Sipayik and Motahkomikuk (Pleasant Point and Peter Dana Point, Indian Township).” Contact: Cara Cushing, [cara.cushing@maine.edu](mailto:cara.cushing@maine.edu), 707.613.0315

## DMC invites friends, neighbors to July 11 social

08 Jul 2019

Want to learn more about local marine science research? Friends and neighbors are invited to a free social at the University of Maine Darling Marine Center 4–5:30 p.m. July 11, to meet DMC scientists and students and learn about new and ongoing summer projects. “We want to share some of the exciting new research initiatives underway at the DMC with our neighbors on Clarks Cove Road and throughout the peninsula,” says Heather Leslie, director of the marine laboratory. UMaine marine science students, faculty and staff will be on hand to talk about their work. This summer, there are 30 undergraduate and graduate students, representing 15 states and one foreign country, living on campus participating in research and internships. Mix and mingle and hear about advances in oyster and scallop aquaculture, microbiology, marine fisheries and conservation biology, and lobster distribution research. “Everyone is eager to share their work with the community,” Leslie says. “Talking with community members is one of the best parts of my job. I always learn something new — such as what interests others about the work we do and other people’s connections to the campus.” This event is one of many opportunities for residents and visitors of the midcoast to learn more about research, education and outreach programs at this waterfront UMaine campus. Summer events are posted on the DMC website and Facebook page. The center is located at 193 Clarks Cove Road, Walpole. The social will be in Brooke Hall on the lower waterfront campus. More information is [online](#). To request a reasonable accommodation, call 207.563.8135.

## Media advance Darling Marine Center open house events

08 Jul 2019

[Boothbay Register](#) and [Wiscasset Newspaper](#) published a University of Maine news release announcing two July open house events at the Darling Marine Center in Walpole. Prospective students interested in marine sciences are encouraged to meet faculty and undergraduates and tour the center 1–3:30 p.m. July 9 or 23. Faculty and current students will be at the waterfront campus to talk about the School of Marine Sciences (SMS) academic program as well as educational and research opportunities. The more than 275 undergraduates enrolled in bachelor’s degree marine sciences programs at UMaine can specialize in aquaculture, marine biology or oceanography. A variety of opportunities are available for SMS students at the DMC, including internships, Semester By the Sea and scientific diving certification.

## Island Ad-Vantages, Weekly Packet cover lobster bait talk by Stoll

08 Jul 2019

[Island Ad-Vantages](#) and [The Weekly Packet](#) reported on a June 28 presentation at the Maine Center for Coastal Fisheries in Stonington. Joshua Stoll, a University of Maine assistant research professor who holds a joint research position at MCCF, spoke about the care and feeding of lobsters in the face of a bait crisis. With a shortage in herring, most lobstermen’s first choice to bait lobster traps, the industry is looking for solutions, according to the article. “No bait is a big problem for a state that depends so much on lobster,” Stoll said. Compounding the issue is that while lobstermen are just now starting to fish after a cold spring, already 40 percent of the total herring allocation has been reached, the article states. “Fishing industries have a long history of being entrepreneurial,” Stoll said, with fishermen, scientists, bait suppliers and lobster dealers all working to find solutions. [Penobscot Bay Press](#) also carried the report.

## News Center Maine reports on research by grad students tracking tick migration

08 Jul 2019

[News Center Maine](#) reported graduate students from the University of Maine are tracking the migration of ticks and studying what diseases they carry. Their previous research discovered that ticks can live under snow banks near Millinocket and even farther north in Maine, and now grad students including Michelle Volk and Brianna Guy are combing those sites to see if ticks are emerging, the report states. Volk is collecting data from five different sites across the state to help create a tick tracking map to let the public know where deer ticks are located in Maine. “We are trying to find out where ticks end in Maine — the line, as you will,” Volk said. In July, researchers will be collecting ticks from field mice to see what tick-borne illnesses they carry. Volk also hopes to use the data and post information about tick activity and diseases they carry on signs at all state parks throughout Maine by late next year, News Center Maine reported. The station also published a [second report](#) on Volk’s tick migration research. “We really have no definite idea where they are surviving in northern and western Maine. This data is key to give us new insight as to how they are able to migrate and where they are heading,” Volk said.

## Hargest offers tips on growing microgreens in BDN article

08 Jul 2019

Pamela Hargest, a horticulture professional with University of Maine Cooperative Extension, was quoted in the [Bangor Daily News](#) article, “How to grow microgreens.” Microgreens take up little space, are often grown indoors, are ready to be harvested in a matter of days and can be cultivated year-round, according to the article. Grown from seed, microgreens are vegetables, herbs and other edible plants, such as sunflowers, that are harvested early in life. Some popular plants to grow and harvest as microgreens are broccoli, peas, beans, radishes, mint and mustard greens, the article states. “A lot of farmers will take advantage of shoulder seasons and grow [microgreens] when it’s not too hot in the greenhouse,” said Hargest, who offered advice on topics including seed placement, watering and harvesting. Harvest time can also depend on the plant type, the BDN reported. “For certain microgreens, there’s actually a very short window when the flavor is really good,” Hargest said.

## New York Times quotes Fried in report on Sen. Susan Collins

08 Jul 2019

Amy Fried, a political science professor at the University of Maine, was cited in a [New York Times](#) article about whether Republican U.S. Sen. Susan Collins will run and win again in 2020. Collins said she would decide in the fall if she would seek re-election, but

for now, she is behaving like a candidate, the article states. Politics in Maine are complicated, according to the article. Independent voters account for the largest percentage of the electorate and Democratic registration is growing, while the Trump Republicans don't care much for their senior senator, the New York Times reported. Fried noted the changing landscape. "I'm looking at CNN exit polls from 2014 — 37 percent of liberals voted for Collins and it has 39 percent of Democrats voting for Collins," she said. "It's hard to imagine that that's going to happen again."

#### **Gill quoted in Bloomberg Environment article on Alaska budget cuts**

**08 Jul 2019**

[Bloomberg Environment](#) quoted Jacquelyn Gill, a paleoecologist and climate scientist at the University of Maine, in the article, "Alaska budget cuts could hurt Arctic, environmental research." The University of Alaska's Arctic research faces an uncertain future as it waits for the final word on a possible \$135 million cut to state funding for this fiscal year, according to the article. The research institutions within the University of Alaska are important for understanding how climate change plays out, according to Gill, who has collaborated with University of Alaska researchers on several projects. "They're basically on the front lines of the impacts of climate change, seeing things like communities having to move because of sea-level rise and permafrost thawing," Gill said. "The research institutions within the University of Alaska systems are really crucial for us understanding just how some of these things are playing out."

#### **Harvesters sought to help with shellfish survey, AP reports**

**08 Jul 2019**

The Associated Press reported the scientists at the University of Maine's Darling Marine Center are looking for volunteers to help conduct a shellfish survey that aims to improve the management and conservation of clam flats and mussel beds. Current and previous shellfish license holders are sought to help with the July survey on the tidal flats of Damariscotta and Newcastle, according to the article. The goal of the survey, led by researcher Kara Pellowe, is to gather data about soft-shell clams and other shellfish that are harvested on the flats. Soft-shell clams are among the most popular seafood items in Maine, but the state's harvest has dipped significantly in recent decades, the AP reported. UMaine says better data about the shellfish will lead to more effective management. The [Portland Press Herald](#), [WABI](#) (Channel 5), [Morning Ag Clips](#), [The Times Record](#), [WGAN](#), [San Francisco Chronicle](#) and [New Haven Register](#) carried the AP report.

#### **UMaine School of Nursing part of reestablished residency program to improve rural health care in Maine**

**09 Jul 2019**

A nurse practitioner (NP) residency program will be reestablished next year with the help of a \$1.7 million grant to Penobscot Community Health Care (PCHC), in partnership with the University of Maine School of Nursing, Harrington Family Health Center and Hometown Health Center in Newport. The program, made possible by a U.S. Health Resources & Services Administration grant, has the potential to impact patients in at least five Maine counties — Penobscot, Somerset, Washington, Waldo and Piscataquis counties. PCHC last had a nurse practitioner residency program in 2014. "NPs are experienced registered nurses who receive intensive graduate didactic education and clinical training in preparation to provide safe, high-quality, patient-centered, evidence-based care across the lifespan," says UMaine assistant professor of nursing Kelley Strout. "Patients who require care from NPs in Maine are more likely to be on Medicaid, uninsured or underinsured, live in poverty, experience multiple chronic conditions, and/or substance use disorders compared to those in other geographic areas of the country. Currently, NPs are expected to assume the care of a full-panel of 700–1,200 complex patients with little to no on-the-job orientation or training." The nurse practitioner residency program will provide an intensive clinical residency focused in primary care with robust, specialized didactic and clinical experiences aligned to meet the complex needs of Maine's patient population, says Strout. "Long term, our residency program will aim to improve the first-year experience for new NP providers to reduce burnout and turnover, and ensure that patients in the state and region continue to receive the highest quality health care they deserve." The 12-month nurse practitioner residency program will begin accepting applicants in December, providing additional opportunities for UMaine graduate students in the School of Nursing's Family Nurse Practitioner Program. Historically, UMaine has graduated between three and five NPs per year. Since 2017, in an effort to meet the state's health needs, the School of Nursing increased enrollment with a goal to graduate 10 NPs annually. In 2018, 90 percent of NPs who graduated from UMaine lived and practiced in Maine. The residency program is designed to build a pathway between UMaine School of Nursing NP program and PCHC. Students in the final year of the UMaine graduate program will be invited to apply to complete their final year of required clinical rotations at PCHC and enter the residency upon graduation. UMaine students accepted into the residency will receive stipends to offset tuition and education expenses. In year one, UMaine NP students will be recruited to have an opportunity to participate in the development of the residency program. Two of the four nurse practitioner residents per year will be graduates from UMaine School of Nursing NP program. They will receive training in PCHC's federally qualified health centers, as well as Hometown Health Center, serving Canaan, Dover-Foxcroft, Newport and Pittsfield, and Harrington Family Health Center, serving Washington County communities. PCHC will hire a residency director, who also will teach a graduate course in the UMaine School of Nursing NP program to further strengthen the academic-practice partnership, which will provide current and relevant training opportunities for students. A news release about the award is [online](#). In addition, a news release about nursing education initiatives statewide to address Maine's nursing shortage is [online](#). Contact: Margaret Nagle, 207.581.3745

#### **UMaine Extension offers online hay directory for buyers, growers**

**09 Jul 2019**

University of Maine Cooperative Extension manages a statewide [online](#) hay directory for buyers and sellers of hay, straw and silage. Sellers can list their products with details including location and type. Buyers can search for sources by county and the specific product needed. The website also offers information about sampling, testing and harvesting quality hay products. Also available for free download is a newly updated UMaine Extension [publication](#), "Farmer Skill and Knowledge Checklist for Hay and Haylage Makers in Maine." For more information about the online hay directory or other forage questions, contact Rick Kersbergen, 207.342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

#### **Sea Grant director to discuss 'Marine Science for Maine People' at DMC**

**09 Jul 2019**



[caption id="attachment\_70512" align="alignright" width="223"] Gayle Zydlewski[caption] Gayle Zydlewski will talk about "Marine Science for Maine People: With a Surprise or Two" at 10:30 a.m. July 12 in Brooke Hall at the University of Maine Darling Marine Center in Walpole. Zydlewski directs the Maine Sea Grant College Program, a state-federal partnership with the National Oceanic and Atmospheric Administration (NOAA). Maine Sea Grant is one of 33 NOAA Sea Grant programs in the coastal and Great Lakes states. As part of the national network, Maine Sea Grant focuses on the state's coastal communities and sponsors scientific research and development of the marine workforce. Zydlewski also is a faculty member in the UMaine School of Marine Sciences. Her research involves human influence on fish behavior and population dynamics related to renewable power development. She works closely with industry and natural regulatory agencies to inform policy and management of water resources. The talk will highlight how Maine Sea Grant engages community members to inform research, specifically marine renewable energy, aquaculture and fisheries. Zydlewski's discussion will touch on workforce development and educational opportunities, including the Maine Ocean School in Searsport, as well as a mystery segment involving Gulf of Maine megafauna. The event is part of the DMC's science seminar series. The free public talks are held Fridays through Aug. 16. They feature faculty, students and alumni. Presentations provide opportunities to discuss current marine research that advances understanding of marine ecosystems and the human communities that are part of them. Visit the DMC [website](#) for a list of featured speakers and topics. For more information or to request a reasonable accommodation, call 563.8135.

## Media advance STEM research, career symposium at Hutchinson Center

09 Jul 2019

[Penobscot Bay Pilot](#) and [Republican Journal](#) reported the public is invited to attend a free research and career symposium 5–7 p.m. July 12 at the University of Maine Hutchinson Center in Belfast. The event will feature a keynote address by Kristina Cammen, an assistant professor of marine mammal science in UMaine's School of Marine Sciences. The 11 students from seven area high schools who are enrolled in the UMaine course, Introduction to Integrated Science and Career Exploration, will share the results of their research, career-planning and job-shadowing experiences at the symposium with poster presentations and talks, according to the reports. The UMaine course is an early college STEM research course designed to introduce high school students to higher education and careers in science, technology, engineering and mathematics. In the 38 hours of course and lab work, students undertake a guided research project with peers. They also participate in eight hours of job shadowing and career planning with local STEM-related businesses, the reports state.

## Socolow cited in media reports on the end of Mad Magazine

09 Jul 2019

Several news organizations around the world including [Smithsonian](#) magazine and [Radio-Canada](#) cited Michael Socolow, an associate professor of communication and journalism at the University of Maine, in reports about Mad Magazine no longer publishing new content. After a 67-year run, the satirical publication will disappear from newsstands after the release of its August issue, Smithsonian reported. The magazine will reprint old material with new covers, which will be available in comic stores and via subscription, and won't be creating any new content aside from end-of-year specials and other one-off features, the article states. Though silly, the magazine had a serious mission: to encourage readers to think carefully and skeptically, which was a radical, subversive notion in the magazine's early years according to the Smithsonian, which cited a piece written by Socolow for the [Conversation](#). "[T]he profusion of advertising and Cold War propaganda infected everything in American culture," Socolow wrote. "At a time when American television only relayed three networks and consolidation limited alternative media options, Mad's message stood out." [SWI](#) in Switzerland, [MTV Uutiset](#) in Finland, [Salzburger Nachrichten](#) in Austria, [Die Presse](#) and [DW Akademie](#) in Germany, and [To Bhma](#) and [To Manifesto](#) in Greece also cited Socolow in reports on the magazine.

## Terrell House, Blais featured in BDN article on permaculture

09 Jul 2019

The University of Maine was mentioned in a [Bangor Daily News](#) article on how to get started with permaculture, a design system that works with patterns in nature to build a garden that is self-sustaining and less dependent on external additives like chemical fertilizers or outside water supplies. Anyone can learn the system and how to get started in permaculture, according to Joline Blais, associate professor of new media and adviser for UMaine's Terrell House Permaculture and Living Center. "Apply the principles of observation," Blais said. "Look at what is growing where you want to put your [permaculture] garden and use that to plan it." For the first year of permaculture gardening, Blais recommends not planting anything, and instead keeping a written diary with photographs. "Observe [the garden space] and track wind direction, insects, birdlife, wildlife, amount of sun and shade [and] eventually you will end up with an understanding of the natural system you are working in," she advised. Because permaculture gardening is working within, not against, the natural world, there is always the option of adapting and changing any part of a plan that is not working out, the article states. "Permaculture gardening is not a passive activity of tossing in seeds," Blais said. "You are interacting with the land in a very activist gardening sort of way."

## Johnson speaks with WAGM about this year's potato crop

09 Jul 2019

[WAGM](#) (Channel 8 in Presque Isle) spoke with Steve Johnson, a professor and crops specialist with University of Maine Cooperative Extension, for a report about this year's predicted potato crop. This planting season has started slowly for many farmers, with temperatures remaining below average, deep into June, according to the report. Johnson said crops could catch up, but it depends on the weather. "We could be right where we need to be quite soon, but the next 30 days could be quite important to get good growing conditions and warm weather," Johnson said. This year's delay may have some positive effects, the report states. "Some of the best results as far as the seed growers and virus levels have been when they delayed planting for a couple weeks and missed the first flush of aphids that come through. So that may be a blessing for this year as well, too," Johnson said. Fresh Plaza and [Potato Grower](#) also quoted Johnson, citing the WAGM story.

## WVII interviews doctoral student about smartphone emotion regulation research

09 Jul 2019

[WVII](#) (Channel 7) spoke with Colin Bosma, a clinical psychology doctoral student at the University of Maine, about his emotion regulation study that uses smartphones as a research tool. "You're carrying your phone with you anyway, and even that type of data like GPS or how often you're lifting your phone up, how mobile you are, can really give us a lot of information," Bosma said. This fall, 110 volunteers will fill out questionnaires and assessments and watch a sad scene from a movie. Then they will create a behavioral profile by using an app on their phones, WVII reported. Bosma will look at digital footprints to see if people who struggle to regulate sadness are less social and less mobile. He said the digital sensors in smartphones can provide that information. "People that are really circumscribed to staying at home, or maybe they're not socializing as much, not texting as many people, or maybe just one person a lot, that may be indicative of somebody having depressed feelings and they're having difficulties regulating their emotions," said Bosma, who added he hopes to someday find specific treatments for people using targeted interventions through the use of an app.

## Belgrade parking lot closed for paving July 11

10 Jul 2019

Belgrade parking lot will be closed for paving July 11. Drivers are asked to park their vehicles in the adjacent Collins Center for the Arts lot.

## Kelley provides input for ICOMOS climate change, cultural heritage report

10 Jul 2019

Alice Kelley, an instructor in the University of Maine School of Earth and Climate Sciences and research associate professor in the Climate Change Institute, contributed to a report by the International Council on Monuments and Sites, or ICOMOS. "The Future of Our Pasts: Engaging Cultural Heritage in Climate Action," was released by ICOMOS on July 3 in Baku, Republic of Azerbaijan at an event held during the 43rd session of the World Heritage Committee. Putting forward a multidisciplinary approach to cultural heritage, the report is intended for site managers, scientists, researchers, climate activists and policymakers, according to an ICOMOS [news release](#). Better addressing the ways in which cultural heritage is affected by climate change and a source of resilience for communities would increase the ambition for, and effectiveness of, transformative change, the ICOMOS report concluded. Twenty-eight ICOMOS members representing 19 countries served as lead and contributing authors for the report. Eleven ICOMOS International Scientific Committees and 21 ICOMOS National Committees provided feedback. In addition, almost 50 invited experts, including Kelley, provided peer review, the news release states. The full report is [online](#).

## Seaweed bread research project seeks taste testers in Portland

10 Jul 2019

University of Maine School of Food and Agriculture graduate student Laurel Simone and professor Mary Ellen Camire are leading a research study of consumer taste tests of bread made with Maine seaweed. A taste testing will be held 11 a.m.–4 p.m. July 14 in room Rines A of the Westin Portland Harborview hotel in downtown Portland. Participants must be at least 18 years old and not be allergic to or dislike wheat, gluten, yeast or seaweed. Those who take part will be asked to taste three samples of bread and answer questions about themselves and how much they like the food. The test will take no more than 30 minutes. Participants will receive \$10 for completing the questionnaire; there will be no compensation unless all the questions about the samples are answered. Appointments to participate in the study can be made [online](#). More information is available by contacting 207.581.1733; [sensory.evaluation@maine.edu](mailto:sensory.evaluation@maine.edu).

## UMaine Extension offers online hay directory, Morning Ag Clips reports

10 Jul 2019

[Morning Ag Clips](#) published a University of Maine news release about a statewide [online](#) hay directory for buyers and sellers of hay, straw and silage that is managed by the University of Maine Cooperative Extension. Sellers can list their products with details including location and type. Buyers can search for sources by county and the specific product needed. The website also offers information about sampling, testing and harvesting quality hay products. Also available for free download is a newly updated UMaine Extension [publication](#), “Farmer Skill and Knowledge Checklist for Hay and Haylage Makers in Maine.”

#### **Turner Publishing previews invasive forest pest workshop**

**10 Jul 2019**

[Turner Publishing](#) reported the Androscoggin Valley Soil and Water Conservation District and the University of Maine Cooperative Extension will present a workshop July 29 in Lisbon Falls as part of the Invasive Forest Pest Outreach Program. The event is for those interested in learning about the history of invasive pests in Maine, how to identify them, and how to report an infestation, the article states. Participants in the free workshop, which will be held from 9 a.m. to noon, will receive an information packet with fact sheets, species lists and other relevant information, according to the article.

#### **Archeological research at UMM gets anonymous gift, Machias Valley News Observer reports**

**10 Jul 2019**

[Machias Valley News Observer](#) reported the University of Maine at Machias has received a gift of \$12,500 from an anonymous donor that will help fund continuing efforts to research, record and archive petroglyph sites on Machias Bay. The bay is home to one of the largest concentrations of petroglyphs on the Atlantic coast of North America, according to archeologists. The ancient images were pecked into tidal rocks by the Passamaquoddy people as many as 3,000 years ago and depict animals, humans and shamanic rituals, the report states. UMM has supported various projects related to the sites, working closely with members of the Passamaquoddy tribe.

#### **CityLab includes data compiled by Gabe in report on creative class growth**

**10 Jul 2019**

Todd Gabe, an economics professor at the University of Maine, was mentioned in the [CityLab](#) article, “Maps reveal where the creative class is growing,” by Richard Florida, co-founder and editor at large of CityLab and a senior editor at The Atlantic. One of the most troubling trends of the past decade is the deepening geographic inequality across the U.S., especially through the clustering of particular types of talent in coastal cities like San Francisco and New York, Florida wrote. But some economists and urbanists suggest we may be seeing the “rise of the rest” as a result of increasingly unaffordable housing in established hubs and the improvement of the economies in less-established hubs, the article states. Using data from the U.S. Census American Community Survey, Florida and Gabe tracked the growth of the creative class overall and across U.S. metros from 2005 to 2017. They found several Rustbelt and Sunbelt metros which have previously lagged now show robust growth in the creative class. The results also showed that the creative class — which often garners the highest paying jobs — appears to be growing as a percentage of total workforce employment across the board, the article states.

#### **Citizen scientists sought for monarch butterfly study, Z107.3 reports**

**10 Jul 2019**

[Z107.3](#) reported researchers at the University of Maine are seeking the help of citizen scientists to study the monarch butterfly. Using the Monarch Model Validator app, volunteers can help collect information about the butterflies that travel to Maine, the report states. More about the app and project is [online](#).

#### **Calderwood, Handley discuss blueberries on Maine Public’s ‘Maine Calling’**

**10 Jul 2019**

Lily Calderwood, a University of Maine Cooperative Extension wild blueberry specialist and assistant professor of horticulture, and David Handley, a vegetable and small fruit specialist with UMaine Extension and cooperating professor of horticulture, were recent guests on [Maine Public](#)’s “Maine Calling” radio show. The show focused on blueberries, and what the iconic Maine product means for the state’s culture and economy.

#### **News Center Maine advances seaweed bread taste test**

**10 Jul 2019**

[News Center Maine](#) reported on a consumer taste test of bread made with Maine seaweed that will take place 11 a.m.–4 p.m. July 14 at the Westin Portland Harborview hotel in downtown Portland. University of Maine School of Food and Agriculture graduate student Laurel Simone and professor Mary Ellen Camire are leading the test as part of a larger research project. Camire said Simone’s thesis idea came from her “passion for seafood” and desire to find different ways for others to enjoy it. The pair also will be collecting results for their sponsors, VitaminSea Seaweed and Atlantic Corp., two Maine companies specializing in local seaweed products, such as supplements, vegetables and fertilizers, News Center Maine reported. Camire said there are lots of health benefits to seaweed, including iodine and fiber. “There’s a lot of interest in using these products, but it’s all about finding out what kinds people really want,” she said. “Maybe they like the texture or taste, but they don’t like the smell.” Participants must be at least 18 years old and not be allergic to or dislike wheat, gluten, yeast or seaweed. Those who take part will be asked to taste three samples of bread and answer questions about themselves and how much they like the food. Participants will receive \$10 for completing the questionnaire. Appointments to participate can be made [online](#).

#### **WVII reports on nurse practitioner residency program at PCHC**

**10 Jul 2019**

[WVII](#) (Channel 7) reported Penobscot Community Health Care (PCHC) is partnering with the University of Maine School of Nursing, Harrington Family Health Care and Hometown Health Care in Newport to help fill the shortage of nurse practitioners in Maine. The reestablished nurse practitioner residency program, made possible by a \$1.7 million U.S. Health Resources & Services Administration grant, has the potential to affect patients in at least five Maine counties. PCHC last had a nurse practitioner residency program in 2014. Students in their final year of the UMaine graduate program can apply to complete their clinical rotations at PCHC and enter the residency program when they graduate, WVII reported. “This program will ensure [UMaine nursing students] have a better transition from academia to practice, and they will also receive robust specialized training in key areas that affect the health needs of Mainers,” said Kelley Strout, an assistant professor of nursing at UMaine. [WABI](#) (Channel 5) also reported on the program.

#### **Independent Record cites UMaine Extension in article on landscaping small yards**

**11 Jul 2019**

Helena, Montana’s [Independent Record](#) mentioned a University of Maine Cooperative Extension bulletin in the article, “Plans and plants that maximize charm of small yards.” UMaine Extension’s “[Designing Your Landscape for Maine](#),” has good tips on designing a yard that can be altered for Montana, the article states.

#### **Morning Ag Clips previews backyard poultry workshop in South Paris**

**11 Jul 2019**

[Morning Ag Clips](#) reported the University of Maine Cooperative Extension in Oxford County will hold a workshop on raising backyard poultry 1–3 p.m. Aug. 7 at the UMaine Extension office in South Paris. UMaine Extension livestock specialist Colt Knight will discuss poultry breeds, housing, health and nutrition. Prospective and beginning small-scale egg producers will gain a general understanding of what it takes to raise poultry in people’s backyards. The \$10 per person fee includes a smoked chicken lunch; limited financial assistance is available. Registration is [online](#).

## Daily Mail article on 41,000-year-old worms includes Gill's tweets

11 Jul 2019

Tweets by Jacquelyn Gill, a paleoecologist and climate scientist at the University of Maine, were included in the [Daily Mail](#) article, "Scientists awaken 41,000-year-old worms from Siberian permafrost (or did they?): Debate rages over 'unheard of' findings described in recent study." A team of microbiologists announced last year that they had resurrected nematodes that had been locked in Siberian permafrost for, in one case, roughly 41,000 years, according to the article. Scientists not involved with the research say the nematode findings come as a "huge surprise," and some warn they should be taken with a grain of salt, the article states. One of the most important things to consider, according to Gill, is just how common nematodes are. "Nematodes are roundworms — unlike flatworms, they have a tubular digestive system," she explained on Twitter. "They're a diverse group of tiny animals that are found in just about every ecosystem, including salt water, fresh water and soils. Many species are parasites (including to plants and people). The ubiquity of nematodes is one of the reasons why we should be super skeptical of this study from the start." According to Gill, it's possible the living worms observed in the 2018 study weren't actually as old as they seemed, and were simply more recent creatures that got swept up in a batch of older soil. [Futurism](#) also cited Gill's tweets in the article, "That story about the ancient frozen worms might be bologna."

## Kathmandu Post cites UMaine Extension bulletin in report on washing produce

11 Jul 2019

[The Kathmandu Post](#) included information from the University of Maine Cooperative Extension in the article, "Worried about pesticides? Scrub them away." When washing leafy greens, UMaine Extension recommends a vinegar and water mixture, according to the [bulletin](#), "Best Ways to Wash Fruits and Vegetables." The publication also advises consumers stay away from soap or commercial food washes, finding that the store bought vegetables washes were equally effective, the article states.

## Mayewski to speak at Blue Hill climate change conference, Ellsworth American reports

11 Jul 2019

[The Ellsworth American](#) reported on an upcoming conference at George Stevens Academy in Blue Hill. The Reversing Falls Sanctuary Climate Action Group in Brooksville and Robert Shetterly's "Americans Who Tell the Truth" project will host the 2019 Climate Convergence Conference 8:30 a.m.–4:30 p.m. July 20. A central theme of the conference is to advocate for science-based climate policy, according to the article. Paul Mayewski, Distinguished Maine Professor in the School of Earth and Climate Sciences and director of the Climate Change Institute at UMaine, is scheduled to speak about what's happening to the Earth's climate, the article states.

## Lakes Region Weekly reports on proposed Magic Lantern creative hub

11 Jul 2019

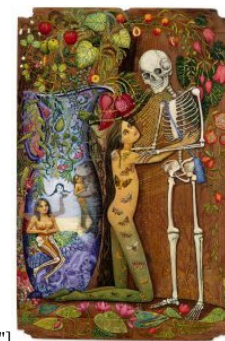
[Lakes Region Weekly](#) reported the Maine 4-H Foundation is \$2 million away from buying the Magic Lantern theater and pub in Bridgton, where it plans to create an innovation lab and learning center for local children. The foundation, which supports the University of Maine's Cooperative Extension programs, has raised about half of the \$4 million it needs for the purchase through a combination of donations and grants, according to the article. The Magic Lantern will become a hub of creative activity for youth in the Lakes Region, according to Susan Jennings, executive director of the Maine 4-H Foundation. The theater and pub will continue to operate as usual, the article states. "In rural areas of Maine, the kids are underserved," Jennings said. "This project is going to enable young people to learn, but through some amazing opportunities that are wrapped around theater and the arts and creative arts. We're trying to offer more opportunities for research-based university education to come into the community."

## Lord Hall Gallery hosts two summer exhibitions

12 Jul 2019



touch my human/[caption] [caption id="attachment\_70994" align="alignright" width="200"]



The Painter and her skeleton/[caption] Two

exhibitions that speak, in different ways, to the nature of life and the importance of transformation or change will be on display July 19 through Sept. 20 in Lord Hall Gallery at the University of Maine. Works by Giles Timms, a UMaine assistant professor of art, will be featured in "touch my human." Timms describes his work as commenting on life and story as irreversible change. Working in mixed media, Timms' imagery explores "the vagaries of our human condition," using what he refers to as carnivalesque elements to examine cultural norms as subtext and the uncertainty and wonder of childhood. The exhibition includes digital and video work. "The Painter and her skeleton" is an exhibition of paintings and mixed media by Irene Hardwicke Olivieri, an artist living in Seal Cove, Maine. Her images respond to and tell stories of what she describes as aspects of life that are often subterranean or more specifically, focus on love, relationships and obsessions. With this as a basis, Hardwicke Olivieri's work also reflects a process of "rewilding the heart" in an effort to find deeper "connections to wild animals and wild lands." An artists' reception and gallery talk 5:30–7 p.m. Friday, Sept. 20 will close the exhibition. Timms and Hardwicke Olivieri will speak about specific pieces in the exhibitions, and the foundational concepts and processes of their creative practices. The exhibits and reception are free and open to the public. Lord Hall Gallery is open 9 a.m.–4 p.m. Monday through Friday, and is wheelchair accessible.

## Whitehead named chief of staff to UMaine President Ferrini-Mundy

12 Jul 2019

Kimberly Whitehead, who has served in faculty and administrative roles at public and private universities for nearly 20 years, has been named chief of staff to University of Maine President Joan Ferrini-Mundy, effective July 15. For the past five years, Whitehead has been at the University of Maryland Eastern Shore, where she has served as interim associate vice president for academic affairs, vice provost for academic affairs, interim provost and vice president, and, most recently, program coordinator in the International Development Programs Office. She also has held positions at West Virginia State University, Rowan University, Bowie State University and Shaw University. In 2008, Whitehead founded Monarch Consulting Group, based in Salisbury, Maryland, and serves as the chief higher education consultant. She holds a Ph.D. in genetics from North Carolina State University and a bachelor's degree in biology from Norfolk State University. "Kimberly has diverse experience in higher education, and a strong commitment to institutional effectiveness and student success," says Ferrini-Mundy. "I look forward to her joining the President's Office team, and being a resource to the UMaine community and its stakeholders." Whitehead replaces Kenda Scheele, who since January has been serving as interim chief of staff in the President's Office, in addition to her duties as associate vice president for student life and senior associate dean of students.

## 10 daily cites Steneck in report on lobsters left in closed restaurant tanks

12 Jul 2019

[10 daily](#), an Australian news site, quoted Robert Steneck, a professor of marine sciences at the University of Maine, in the article, "Lobsters left to die in restaurant tanks spur animal cruelty complaints." The RSPCA, a community-based charity providing animal care



and protection services in Australia, is outraged after lobsters were left in the display tanks of a closed restaurant, sparking a discussion about how crustaceans are covered by animal cruelty laws, according to the article. Whether lobsters feel pain like vertebrates do is still disputed, 10 daily reported. As Steneck recently told [The Guardian](#) about lobsters, he is “not convinced they feel pain” and there is “no compelling case” that he’s seen that suggests they do, the article states.

#### **Morning Ag Clips advances tractor safety workshop in Dover-Foxcroft**

**12 Jul 2019**

[Morning Ag Clips](#) reported the University of Maine Cooperative Extension and Piscataquis County Soil and Water Conservation District (PCSWCD) will offer a tractor safety workshop 5:30–8:30 p.m. July 30 in Dover-Foxcroft. The workshop is offered to local farmers, residents and landowners who are at least 18 years old and wish to learn basic tractor safety or have a refresher on how to safely operate farm equipment. Call PCSWCD at 564.2321 or email [info@piscataquisswcd.org](mailto:info@piscataquisswcd.org) to register. The cost for registration is \$20.

#### **UMaine mentioned in Market News Reporter article on wood residue research**

**12 Jul 2019**

[Market News Reporter](#) published an article about a collaborative research project being led by Virginia Tech that will look at the potential of forest residues becoming an economically viable resource. “Residues” in the forest industry refer to secondary materials such as the branches and tops of trees that cannot be cut into boards or made into plywood, the article states. Funded with a \$1 million grant from the U.S. Department of Agriculture’s Agriculture and Food Research Initiative, Virginia Tech will work collaboratively with the University of Maine, Auburn University and West Virginia University to develop and optimize forest residue collection while examining the environmental impacts and economic potentials for the eastern United States, according to the article.

#### **Researchers, students aid wild turkey population count, media report**

**12 Jul 2019**

[News Center Maine](#) and [Outdoor News Daily](#) reported on a wild turkey population count led by the Maine Department of Inland Fisheries and Wildlife (MDIFW). This past winter, researchers and students in the University of Maine’s Department of Wildlife, Fisheries, and Conservation Biology; local game wardens; and biologists trapped, banded and dispersed 216 wild male turkeys throughout the state, according to News Center Maine. Of those turkeys, 41 had been harvested by the end of the spring season, which brings the total to around 19 percent. Biologists applied that percentage to this year’s 6,612 male turkeys registered by Maine hunters at tagging stations and came up with an estimated 35,000 males available for harvest during the 2019 hunting season, the report states.

#### **Liam Flynn: Earth and climate sciences student maps geology in Pyrenees**

**12 Jul 2019**

Liam Flynn of Raymond, Maine is taking a field geology course this summer — in the Pyrenees. Flynn, who just finished his third year as an Earth and climate sciences major, is learning geologic mapping at the field camp. “I am passionate about learning about the Earth’s interactions and how we can use that knowledge to understand natural disasters and climate change in a modern context,” he says. “Ultimately, I find the science fascinating and the applications can help people and our understanding of the planet we live on.” Flynn says the experience is very hands-on and involves locating important rock units, making interpretations, drawing maps and writing papers to bring together all the different aspects of the fieldwork into a cohesive product. “It’s a lot of self-guided exploration and direct application of things learned in the classroom,” he says. When not in the field, Flynn enjoys exploring Aínsa, the medieval Spanish town he’s staying in, swimming in the nearby river, walking on trails and trying out local places to eat. “A great memorable experience so far was unwinding after a long day of geologic mapping by going to an all-night Spanish music festival in the 11th century castle of Aínsa,” he says. “My favorite thing about UMaine is that I was able to find a small and close-knit major with an incredible roster of professors, plenty of undergrad research opportunities, and a welcoming and supportive community within the department.” Contact: Cleo Barker, 207.581.3729

#### **Learn why lobster is the poster child of a changing ecosystem**

**15 Jul 2019**

Rick Wahle will present “The American Lobster — Poster Child of a Changing Marine Ecosystem” at 10:30 a.m. July 19 in Brooke Hall at the University of Maine Darling Marine Center in Walpole. Wahle directs the Lobster Institute, a center of scholarship and outreach in the university’s College of Natural Sciences, Forestry, and Agriculture. The institute engages with the lobster industry, scientists, fishery managers, health regulators and legislators to address priorities through collaborative research, educational workshops and conferences. Wahle also is a research professor in the School of Marine Sciences at UMaine. He monitors lobster settlement, develops tools to forecast lobster populations, and examines larval lobster response to ocean acidification from New England to Maritime Canada. His talk will address the importance of embracing ecosystem-based management and forecasting tools. The iconic lobster is a valuable case study of the sometimes contrasting impacts of exploitation and environmental change on marine resources and coastal communities. This event is part of the DMC’s science seminar series. The free public talks are held each Friday through Aug. 16. They feature SMS faculty, students and alumni. Presentations provide opportunities to discuss marine research that advances understanding of marine ecosystems and human communities that are part of them. Visit the DMC [website](#) for a list of featured speakers and topics. For more information or to request a reasonable accommodation, call 207.563.8135.

#### **Penobscot Bay Pilot advances fiber art exhibit at Hutchinson Center**

**15 Jul 2019**

The [Penobscot Bay Pilot](#) advanced “Hanging by a Thread,” an exhibit of more than 50 works by Maine fiber artists to be hosted in the H. Allen and Sally Fernald Gallery at the University of Maine Hutchinson Center in Belfast from Sept. 6 to Nov. 22. A free opening reception will be held 5:30–7 p.m. Sept. 6, according to the article. The gallery is free and open to the public 8 a.m.–7 p.m. Monday through Friday. For more information or to request a reasonable accommodation, call Nancy Bergerson at 338.8049.

#### **Penobscot Times publishes UMaine release previewing CCA 2019–20 season**

**15 Jul 2019**

[The Penobscot Times](#) published a University of Maine news release previewing the 2019–20 season at the Collins Center for the Arts. The upcoming season will offer a range of shows including music, dance, magic shows, Broadway musicals and more, the release states. The season will kick off with a performance by Chubby Checker and The Wildcats on Sept. 13, and wrap up with “An American in Paris” on April 19. Subscriptions and single tickets are now on sale, according to the release.

#### **MD Islander features McDonough Mackenzie in article on Acadia stewardship initiative**

**15 Jul 2019**

[Mount Desert Islander](#) featured Caitlin McDonough Mackenzie, a postdoctoral fellow at the University of Maine Climate Change Institute, in an article about the Second Century Stewardship initiative, a collaboration between the National Park Service and the Schoodic Institute. The initiative centers on a fellowship program that brings early-career scientists to Acadia to study the potential effects of climate change on the park’s natural resources, and implications for park management, Mount Desert Islander reported. McDonough Mackenzie is a fellow in the initiative, and is studying whether mountain lakes in Acadia have provided refugia, areas where life can survive during extreme environmental conditions, for plants during previous warm periods. She is taking core samples from lakes to look for evidence of plant life at various points in history, the article states. McDonough Mackenzie also will work with oral histories and traditional ecological knowledge from Native American tribes in Maine, according to the article.

#### **Laatsch recent guest on ‘Maine Calling’**

**15 Jul 2019**

Shawn Laatsch, director of the Emera Astronomy Center at the University of Maine, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. The show’s topic was the 50th anniversary of the Apollo moon landing, which will take place on July 20.

## AP article reminds Maine residents of tick testing service

15 Jul 2019

The Associated Press published an article reminding Maine residents that the University of Maine Cooperative Extension Tick Lab offers a tick testing service. Anyone who has been bitten by a tick can send it to the lab to be tested for Lyme disease, anaplasmosis and babesia. Tests cost \$15 per tick for Maine residents, according to AP. [Bangor Daily News](#), [Portland Press Herald](#), [News Center Maine](#), [U.S. News & World Report](#), [WGME](#) (Channel 13 in Portland) and [New Haven Register](#) carried the AP article.

## Andrew Vernon: Army veteran and KPE alum fights to raise awareness about veteran suicides

15 Jul 2019

Andrew Vernon is on a mission to reverse a staggering statistic about military veterans: On average, 20 veterans die by suicide every day in the United States. It's a number that has held steady for a decade, and Vernon says it's time to do something about it. "One veteran suicide is one too many, and we as a nation need to take responsibility for the people who protect us," says Vernon, who grew up in Presque Isle and earned a Master of Education in kinesiology and physical education from the University of Maine in 2010. In a recent opinion piece published in the [Portland Press Herald](#) and the military newspaper [Stars and Stripes](#), Vernon called for dedicating more resources to veterans' mental health and reducing veteran suicides. Vernon was also quoted in [The Hill](#). It's a personal issue for the 37-year-old, a military veteran himself. Prior to attending UMaine, Vernon served in the U.S. Army, so he knows the challenges veterans face as they seek to reintegrate into civilian life. "I hit a tipping point over the past couple months when I started seeing and hearing about more suicides in the media, and felt like the plans being implemented by the (Department of Veterans Affairs) and other stakeholders simply weren't effective as they could have been," Vernon says. He's already noticed positive change from the opinion piece. It's been shared hundreds of times across various social media platforms, and Vernon says he's received numerous phone calls and emails from foundations, politicians and journalists who want to highlight the issue. "This is something we all need to take on, especially at the community level where veterans return after completion of their service," he says. "I want to be the one who can help make a difference with this significant issue." For Vernon, attending graduate school at UMaine after his service helped his own transition back to being a civilian and set him on a path that is now allowing him to help his fellow veterans. Before going into the Army, he had earned a bachelor's degree in exercise science from Hofstra University. But he was struggling to find a career in his chosen field. "I decided to brainstorm what the future would hold next, and thought the best step would be to attend the University of Maine and earn a master's degree," Vernon says. At UMaine, he was involved in the Student Veterans of America chapter and held a coaching externship with the track and field team. After he graduated, Vernon went to work at VA, where his first position was as frontline staff, helping veterans navigate the complicated and often frustrating ins and outs of accessing care. Later, he spent five years as coordinator and cardio-pulmonary rehabilitation therapist with the Physical Medicine and Rehabilitation Service at the department, where one of the position requirements was having a master's in kinesiology. In 2017, Vernon left VA for a job at Booz Allen Hamilton, a worldwide consulting firm that works with the federal government on military and veterans' portfolios. While assigned to a large-scale project with the Veterans Benefits Administration in Washington, D.C., Vernon says he recognized the importance of making services — especially mental health services — more readily accessible to veterans, particularly those in rural states like Maine. "Born and raised in Maine, having family members all across the state who are veterans and have received both public and private health care, mental health care is an issue because Maine does have difficulties recruiting and retaining providers," he says. He adds that recent advances in telemedicine hold promise for improving rural veterans' access to care, but will require collaboration between government and private industry to make sure they reach veterans with the most need. Vernon earned a second master's degree in health administration — health policy and management from Columbia University's Mailman School of Public Health in 2018. Again, he credits the education he received at UMaine for helping him get accepted into one of the top schools of public health in the country. "My UMaine education has been very rewarding. The degree has helped me step into different roles. Each of the roles have challenged me and put me in a position to develop and implement programs and services to help all populations, especially the veteran population," says Vernon. **Hometown** Presque Isle, Maine **Talk about your military service. In what branch did you serve?** **What was your military occupation?** I was in the U.S. Army. My MOS — military occupational specialty — was intelligence analyst. I graduated top three in my company for physical fitness in basic training at Fort Leonard Wood, Missouri. MOS training was at Fort Huachuca in Arizona. The MOS studied intelligence — analyzing images, fixed and moving targets, geospatial data, identified military installations, facilities, weapons systems. I had a top-secret clearance. **How did you get interested in addressing the issue of veteran suicides?** Being a veteran and receiving benefits and health care from VA, I've seen firsthand the lives of veterans — the different experiences they have gone through, the different eras of military service from World War I to present. The issue of veteran suicides has not really been a focus until recent years. This is an issue that's been going on for close to a decade. Twenty service members and veterans take their lives every day, and that number has not changed despite the money and effort invested in VA, the collaboration and communication between stakeholders, including veterans' service organizations like the American Legion, VFW, Wounded Warrior Project and others. I felt this needed more attention. **What's one message you really want people to take away from your work on this issue?** When veterans go into the service they are like any other citizen. Their lives change when they go through military service, whether during training, service overseas, or at war. Service members and veterans put their lives on the line every day doing the job they volunteered to do: protect and defend our nation. When transition back into civilian life after military service, the responsibility lies on all of us to help give them their lives back, to do whatever we can to understand them, and to provide them with adequate resources to succeed. **Why UMaine?** When I left the military, I had to figure out next steps and felt like I was at a standstill with finding a career in exercise science. I was going through some concerns myself with the transition from military to civilian life. I had the opportunity to use the GI Bill, and felt like the University of Maine had an outstanding reputation both academically and athletically. UMaine was close to home. The education I was seeking to receive, after meeting professors and reviewing the curriculum, appeared to be exactly what I was looking for in a university program, which influenced my decision to attend. **Did you work with a professor or mentor who made your UMaine experience better?** Dr. Stephen Butterfield was my adviser — excellent professor, always willing to help, always had his door open, and always worked to make things happen based on my individual interests. My interest at the time was going into professional sports or collegiate athletics, and he was able to assist me in getting a coaching externship with the track and field team. I attended practices, meets, and collaborated with the coaching staff to help get athletes in optimal shape to compete. I would say this was one of the highlights of my overall experience at UMaine. Dr. Butterfield opened the door to my interests during our conversations about possible career paths following graduation. Dr. Bob Lehnhard, another excellent professor, helped me grow personally and academically. **What difference has UMaine made in your life in helping you reach your goals?** UMaine helped me develop connections with sports organizations, including the Montreal Canadiens and the Derek Jeter Foundation. UMaine was also the stepping stone for me to gain employment at VA, advocating and providing medical treatment for my fellow veterans. The degree at UMaine helped me gain admission to Columbia University. Their admissions team recognized the thorough education I received while at UMaine and took that into consideration when admitting me into their program. The cohort consisted of a small and diverse group of 30 students, but the exciting piece was having been given the opportunity to learn from some of the most outstanding scholars in the school of public health. UMaine helped me develop and maintain personal interests and skills where I was seeking to grow — in areas of effective communication, transparency, collaboration with others for the sake of sharing knowledge and experiences, forming positive relationships, and positive continuing relationships for that matter. I continue to maintain contact with classmates and professors. **When you were at UMaine, what was your favorite place on campus?** The Alford Arena. I attended hockey games and the fans were consistently energized — not necessarily about winning or losing, but simply having a nationally recognized Division I hockey team in Orono, Maine. I was able to meet and talk with others who held the same passion for the game, and interact with players and coaches. A rich, positive history of talent and supportive fan base made the Alford a great place to visit. **How does UMaine continue to influence your life?** I took the tools and resources that I gained while at UMaine and continue to use them, not only in my career but in my personal life as well. My advice to others is, if UMaine has taught you something you believe can enhance your life or your career, you keep those items in your toolbox and bring them with you wherever you go in the future. That's what I have done and the result has turned out to be very rewarding. Contact: Casey Kelly, 207.581.3751

## UMaine Extension offers 'Swine 101' seminar statewide

16 Jul 2019

University of Maine Cooperative Extension will present the free seminar "Swine 101: Raising Pastured Pork" in 10 locations, from Presque Isle to Falmouth, in July and August. A smoked pork meal will be provided. Colt Knight, UMaine Extension assistant professor and state livestock specialist, will talk about breed selection, reproductive information, nutrition, fencing, housing and meat yield. The seminar will first be offered 11 a.m.–1 p.m. July 19, at the UMaine Extension Office in Waldo. Contact Richard Kersbergen, [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu). In July, the seminar also will be held:

- 5–7 p.m. July 22, UMaine Extension Office in Skowhegan. Contact Kathy Hopkins, [khopkins@maine.edu](mailto:khopkins@maine.edu).
- 5:30–7:30 p.m. July 24, J. F. Witter Teaching and Research Center in Old Town. Elizabeth Hines, assistant professor of animal science and a swine specialist at Penn State University, also will be at the event. Contact Wendy Robertson, [wendy.robertson@maine.edu](mailto:wendy.robertson@maine.edu).

In August, the seminar will be offered:

- 11 a.m.–1 p.m. Aug. 9, UMaine Extension Office in Lisbon Falls. Contact Tori Jackson, [tori.jackson@maine](mailto:tori.jackson@maine)
- 11 a.m.–1 p.m. Aug. 12, UMaine Extension Office in Waldoboro. Contact Mark Hutchinson, [mhutch@maine.edu](mailto:mhutch@maine.edu).
- 5:30–7:30 p.m. Aug. 19, UMaine Extension Office in Falmouth. Carolyn Hurwitz, assistant state veterinarian, also will be at the event. Contact Jason Lilley, [jason.lilley@maine.edu](mailto:jason.lilley@maine.edu).
- Noon–2 p.m. Aug. 21, UMaine Extension Office in Presque Isle. Contact Linda Trickey, [linda.trickey@maine.edu](mailto:linda.trickey@maine.edu).

The seminar also is slated to be held in Kennebec, Franklin and Hancock counties. Updates on dates and times are [online](#). To register and for more information, visit the [Swine 101 website](#). To request a reasonable accommodation, contact Knight, 581.2953; [colt.knight@maine.edu](mailto:colt.knight@maine.edu).

## MD Islander cites Wahle's study in article on possible decline in lobster settlement

16 Jul 2019

[Mount Desert Islander](#) cited the 2018 update of the American Lobster Settlement Index released by Rick Wahle, professor and director of the Lobster Institute at the University of Maine, in the article "Downturn in lobster numbers could be coming." Studies of the settlement of post-larval baby lobsters at a variety of locations off the coast of New England "continued their string of well below-average numbers," while numbers in Canada have been booming, according to the article. The lobster population could be moving

north up the coast as the waters off the coast of Maine become warmer. For this year’s update, Wahle looked at settlement index numbers between 1988 and 2013 for a dozen sites along the coasts of Massachusetts, Maine and Canada, and prepared a “hindcast” to calculate what the landings volume would have predicted, the article states. The hindcast predictions closely mirrored actual landings trends. “In the end, the main goal of our research is to help stakeholders in the lobster fishery gain the lead time to make choices,” Wahle wrote.

#### **Data collected by Sorg cited in Fiddlehead Focus article on drug epidemic in Maine**

**16 Jul 2019**

The [Fiddlehead Focus](#) article “County’s fast-growing drug problem becoming more visible” cited a study by Marcella Sorg, an anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine. A total of 771 Mainers have died from drug overdoses in the past two years, and opioids were responsible for 80 percent of those deaths last year alone, according to Sorg’s 2018 report. Drug overdose deaths are declining statewide, but this does not necessarily mean fewer people have substance use disorders, the article states. “The reduction in deaths may represent a decline in the lethality of specific drugs and how they are being used. It does not necessarily indicate a reduction in the numbers of individuals with opioid use disorder,” Sorg wrote in the report.

#### **NYT article on study of extreme weather, toxins quotes Miner**

**16 Jul 2019**

[The New York Times](#) quoted Kimberly Miner, a research assistant professor at the University of Maine’s Climate Change Institute, in an article about new research linking extreme weather events to the release and spread of toxic chemicals. Extreme weather and fires, which are often intensified by climate change, can dislodge chemicals from soil, homes, industrial waste sites and other sources, and spread them into the air, water and ground, the article states. These events seem to be exposing people to a variety of physical ailments, including respiratory disease and cancer, according to new research led by Naresh Kumar at the University of Miami. Many contaminants persist in the environment or people’s bodies after a disaster, and accumulate with each new storm or fire, the article states. Miner, who studies climate change and contaminants, said governments need to do more to contain toxic chemicals during disasters. “When I was growing up, they were still saying the solution to pollution is dilution. We now know that’s absolutely not true,” she said.

#### **WABI previews Apollo 11 anniversary celebration at UMaine**

**16 Jul 2019**

[WABI](#) (Channel 5) previewed a celebration of the 50th anniversary of the Apollo 11 moon landing to be held at the University of Maine on July 20. The celebration, “Moon, Maine, and Mars,” hosted by UMaine and the Challenger Learning Center of Maine, will feature a planetarium show, guided space tour and hands-on activities, WABI reported. The event also will include lunch with keynote speaker and UMaine alumnus George Nelson, director of the International Space Station Technology and Science Research Office at NASA. [WABI](#) also interviewed Shawn Laatsch, director of the Emera Astronomy Center at UMaine, about the event. Tickets for the event can be purchased [online](#) by July 17.

#### **Press Herald cites CCI in article on study predicting more ‘extreme heat’ days**

**16 Jul 2019**

The [Portland Press Herald](#) cited the Climate Change Institute at the University of Maine in an article about a new climate report from the Union of Concerned Scientists that predicts Maine could see more “extreme heat” events in the near future. The report predicts a more than 10-fold increase in the number of 90-plus degree days by midcentury, and up to 11 days when the temperature tops 100 degrees by the end of the century. A 2018 CCI study, titled “Coastal Maine Climate Futures,” noted that factors such as volcanic eruptions, more El Nino weather patterns and the collapse of Arctic sea ice will affect what happens in agriculture and fisheries along Maine’s coastal areas, according to the article. “In closing, the key message is that Maine should expect significant environmental changes as human and other factors create increased instability in the climate system,” the report states. “We suggest that the best approach to planning, adapting to and operating successfully within uncertainty is to be prepared for a variety of changes.”

#### **Mainebiz reports UMaine to establish nurse practitioner training program**

**16 Jul 2019**

[Mainebiz](#) reported the University of Maine will establish a yearlong nurse practitioner residency training program in partnership with Penobscot Community Health Care, Harrington Family Health Center and Hometown Health Center in Newport. The program will be supported by a \$1.7 million federal grant and is part of a plan by the University of Maine System to respond to a statewide shortage of nurses — the shortfall is expected to reach 2,700 vacancies by 2025, the article states. The program will provide intensive training in primary care for up to four future nurse practitioners. Since 2017, the UMaine School of Nursing has increased enrollment with a goal to graduate 10 nurse practitioners annually, according to Mainebiz.

#### **Spring 2019 issue of Maine Policy Review now available**

**17 Jul 2019**

The spring 2019 issue of Maine Policy Review, published by the Margaret Chase Smith Policy Center, is now available [online](#). In the issue’s Margaret Chase Smith Essay, transplanted Mainer and college student Matthew Bourque reflects on the strength and character of Maine’s political tradition. Also in this issue: commentaries on independent political parties; the status of bonds in the 2018 election; a response to a commentary on universal basic income from the fall 2019 issue of MPR; and articles on artificial intelligence and Maine’s workforce, 21st-century language education at the University of Maine, Maine woods tourism, health status among Maine’s low-income childless adults, recess and physical education weather policies, and circular food systems.

#### **Vekasi quoted in CNBC report on South Korea-Japan trade battle**

**17 Jul 2019**

Kristin Vekasi, an assistant professor of political science at the University of Maine, was quoted in the [CNBC](#) report “South Korea-Japan trade fight risks ‘further escalation.’” Japan moved to impose trade restrictions on exports to South Korea of three high-tech materials, which are critical for manufacturing semiconductors, the article states. According to Vekasi, Korean and Japanese firms historically have been insulated from political tensions, and that businesses are well positioned to call on their respective governments to soften their positions. She expects the Japan Business Federation might take steps along that line, the article states. “They are aligned with the Abe government in that they would like the issue to be settled by the terms of the 1965 treaty,” Vekasi wrote in an email to CNBC. But the business community in Japan does not seem to “favor Abe’s approach making normal trading relations more difficult/putting barriers in place.”

#### **The County announces College of Engineering, Presque Isle dual-enrollment program**

**17 Jul 2019**

[The County](#) announced a dual-enrollment program between the University of Maine College of Engineering, the Presque Isle Regional Career and Technical Center and Bridge Year Educational Services, Inc. Second-year students in the PIRCTC drafting and engineering technology program will be able to earn three college credits for the UMaine course CIE 101, Engineering Graphics for Civil Engineering, starting in fall 2019. This is the second dual-enrollment agreement between the College of Engineering and PIRCTC, and it will provide an enhanced pathway for area students who want to pursue a civil engineering degree through UMaine, according to the article. For more information, call PIRCTC at 207.764.1356.

#### **Gill discusses alleged 41,000-year-old worms in Vice article**

**17 Jul 2019**

A [Vice](#) article about the case of nematodes found in a 41,000-year-old permafrost sample quoted Jacquelyn Gill, a paleoecologist and climate scientist at the University of Maine. Some believe the nematodes, which were successfully revived in a lab, actually are 41,000 years old. Others, including Gill, are more skeptical and have suggested that the worms could have contaminated the samples in much more recent history. Gill noted the permafrost sample, not the nematodes, had been dated by the research team that



published the study, and the worms could have a different origin. “Basically, we need to both 1) prove that there are nematodes in the sediment, and 2) rule out the possibility of modern contamination,” said Gill. “I’d want to sieve the sediment to look for worms or eggs, and then get enough to date the nematodes themselves. Then I’d cultivate the sediments under highly controlled conditions where I knew there was no possibility of them having been affected by modern water.” Nematodes are the most numerically abundant animals on Earth, so they could find their way into all kinds of samples, but they also are the most resilient creatures known to scientists, Vice reported. “If there’s a betting pool for animals that could survive 40,000 years being frozen, nematodes would definitely be a candidate,” said Gill.

### 63 students in the 2019 Maine Government Summer Internship Program

17 Jul 2019

In this year’s Maine Government Summer Internship Program, 63 students have been placed in full-time, paid summer internships. Of them, 18 are interning in municipal or county governments, and 45 are interning at state agencies. Students in the program attend undergraduate or graduate programs and are either Maine residents or are enrolled in a college or university in Maine. The program recently held an education session in Augusta that included presentations on the current status of Maine’s labor force, informational sessions regarding Maine municipal government, meetings at the State House with various government officials, including the State Treasurer and Secretary of State, and a networking session. Established in 1967, the Maine Government Summer Internship Program has offered a unique opportunity for talented college students to work in Maine government, providing valuable financial support to students while they gain professional and practical skills in their fields of study. The 103rd Maine Legislature founded the program to attract college students with ambition and talent for internships within Maine government. The Margaret Chase Smith Policy Center at the University of Maine administers the internship program. Over the past 50 years, nearly 1,800 students have held internships through this program. For more information, contact Peggy McKee, internship director, at [margaret.mckee@maine.edu](mailto:margaret.mckee@maine.edu), or visit the Margaret Chase Smith Policy Center’s [website](#). A list of 2019 interns follows:

Student	Current College	Hometown	State or Municipal Host Agency	Internship Title
Iris Alexander	St. Francis Xavier University	Augusta, ME	Maine State Library	Maine200 Outreach Assistant
Julianne Andreades	University of Maine at Farmington	South Portland, ME	Department of Professional and Financial Regulation	Actuarial Intern
Jason Barnes	University of Maine	Augusta, ME	Department of Transportation	Bridge Inspection Program Assistant
Matthew Bonner	University of Maine	Haverhill, MA	Department of Agriculture, Conservation and Forestry	Stream Barrier Survey Technician
Karlie Brilliant	University of Maine	Topsham, ME	Department of Transportation	Resource Analyst
Simon Burch	University of Southern Maine	Buckfield, ME	Department of Environmental Protection	Vehicle Emissions Program Assistant
Allison Cannon	Stonehill College	Saco, ME	City of Saco	Holistic Municipal Experience
Michaela Carney	University of Maine at Farmington	Richmond, ME	City of Hallowell	City Archivist and Special Projects Coordinator
Erika Chadbourne	University of Southern Maine	Harmony, ME	Department of Labor	Rehabilitation Services Intern
George Chaison-Lapine	Bates College	Portland, ME	City of Saco	Holistic Municipal Experience
Elizabeth Colannino	Wesleyan University	Old Town, ME	Town of Lincoln	Tourism Development Assistant
Noah Colby-George	University of Kansas	Yarmouth, ME	Department of Transportation	Audit Staff Assistant for Analytical Reviews and Documentation Retention
Helen Cunningham	Kenyon College	Portland, ME	Department of Defense, Veterans, and Emergency Management	GIS Infrastructure Analyst
Victor Dankens	Bowdoin College	Belmont, MA	Department of Environmental Protection	Climate Services Assistant
Emily Dionne	Wheaton College	Sidney, ME	Town of Fayette	Municipal Manager Assistant

Emily Duff	Rockhurst University	Gorham, ME	Town of Bridgton	GIS/Roads Field Assistant
Noah Eckstein	Bowdoin College	Warren, VT	City of Bath	Comprehensive Plan Assistant
Tyme Finnerty	University of Vermont	Auburn, ME	Department of Environmental Protection	Solid Waste Engineering Unit Assistant
Michael Flaherty	University of Maine School of Law	Portland, ME	Office of the Public Advocate	Legal Assistant
Joshua Furgeson	University of New Hampshire	Topsham, ME	Department of Defense, Veterans, and Emergency Management	Energy and Engineering Manager Assistant
William Furgeson	University of Maine	Topsham, ME	Department of Transportation	Survey Field & Office Assistant
Lauren Grey	University of Maine	Cape Elizabeth, ME	Department of Transportation	Maintenance & operations field assistant
Patrick Groening	University of Maine	Belfast, ME	Town of Union	Manager Intern
Lars Gundersen	Bates College	Freeport, ME	Department of Environmental Protection	Emissions Inventory & Outreach Specialist
Katherine Gunther	Roger Williams University	Farmington, ME	Department of Education	School Finance Media Content Creator
Simon Handelman	The George Washington University	Freeport, ME	Department of Education	Commissioner's Office Intern
Colleen Hendricks	University of Maine at Machias	Wiscasset, ME	County of Lincoln	GIS Planning Intern
Alison Hooper	University of Maine at Farmington	Bowdoinham, ME	Town of Bowdoinham	Town Manager's Office Intern
Taylor Houdlette	University of Maine	Dresden, ME	Town of Chelsea	Planning and Economic Development Assistant
Hannah Kutschinski	University of Maine at Augusta	Damariscotta, ME	Town of China	Town Administration and Planning Assistant
Ariel Lam	Bates College	Oradell, NJ	Department of Education	School Finance Resource Assistant
Owen MacDonald	Northwestern University	Hallowell, ME	Department of Labor	Public Sector Establishment Analyst
Kaitlyn MacNeil	University of Maine	Orono, ME	Department of Environmental Protection	Air Licensing & Outreach Specialist
Laurel Margerum	Middlebury College	Brunswick, ME	Town of Brunswick	Town Manager's Office Intern
Douglas Mayo	University of Maine	Bridgton, ME	Town of Gray	Municipal Multi-Departmental Internship

Sarah Merriam	Saint Michael's College	Cape Elizabeth, ME	Town of Kennebunkport	Administrative Intern
Rose Miller	University of Maine School of Law	Westbrook, ME	Workers Compensation Board	Legal Assistant
Jacob Nash	Colby College	Fairfax, VA	State Treasurer's Office	State Treasury Services Intern
Yanina Nickless	University of Southern Maine	Old Orchard Beach, ME	Town of Kennebunkport	Assistant to City Clerk
Isabelle Oechslic	University of Southern Maine	Biddeford, ME	City of Biddeford	City Manager's Intern
Hayden Ouellette	University of Maine	Augusta, ME	Department of Defense, Veterans, and Emergency Management	Energy and Engineering Manager Assistant
Vanessa Paoella	Bates College	Dingmans Ferry, PA	Department of Environmental Protection	Hydrogeology Assistant
Laura Paye	University of Maine	West Springfield, MA	Department of Environmental Protection	Air Monitoring Special Projects Assistant
Hannah Peasley	University of Maine	Brooksville, ME	Department of Environmental Protection	Assistant Project Manager
Donald Peterson	The George Washington University	Auburn, ME	Maine State Housing Authority	Marketing Assistant and Event Planner
Adam Poulin	Husson University	Turner, ME	Department of Professional and Financial Regulation	Assistant to the Principal Examiner
Devon Rappaport	University of Maine	Kensington, MD	Department of Transportation	Maintenance & operations field assistant
Claire Reid	University of Notre Dame	Harpswell, ME	Department of Agriculture, Conservation and Forestry	Toxicology & Outreach Assistant
Adam Rost	Maine Maritime Academy	Cumberland, ME	Department of Defense, Veterans, and Emergency Management	State Capability Assessment Intern
Ryan Roy	University of Maine	Manchester, ME	Department of Transportation	ITS assistant
Katherine Sawyer	University of Maine School of Law	Falmouth, ME	Department of Education	K-12 School Enrollment Intern
Marissa Smith	The University of Maine	Farmingdale, ME	Department of Administrative and Financial Services	Social Media and Graphic Design Assistant
Karen Stemm	Husson University	Gorham, ME	Department of Agriculture, Conservation and Forestry	Laboratory Intern
Dani Sweet	Goucher College	Augusta, ME	Governor's Office of Policy Innovation and the Future	Research Assistant
Natalie Thomsen	University of Maine Farmington	Lisbon, ME	City of Gardiner	GIS Intern

Griffin Tibbitts	McGill University	Bath, ME	Department of Education	Data Analyst and Instruction Assistant
Anne Trapp	Bates College	Topsham, ME	Department of Agriculture, Conservation and Forestry	Stream Barrier Survey Technician
Tyler Waaler	Wheaton College	Yarmouth, ME	Maine State Housing Authority	Research Assistant
Thomas Watson	University of Maine Farmington	Presque Isle, ME	Department of Transportation	Plan Archive Assistant
Emmeline Willey	University of Maine	Monmouth, ME	Department of Education	Commissioner's Office Intern
Mira Wyman	University of Rhode Island	Falmouth, ME	Department of Labor	Research Assistant
Maxim Zakian	University of Maine	Biddeford, ME	City of Biddeford	City Manager's Intern

## Bilingual signage — English and Penobscot — now at UMaine

17 Jul 2019

New University of Maine building and road signage on campus is now bilingual — English and Penobscot. Signs for Memorial Gym and New Balance Student Recreation Center note the names in Penobscot — *attali-milahyawltimk* — translated as “place where you play a variety of games.” At Fogler Library, *awihkhikani-wikwam* means “book house”; at Wells Conference Center, *mawikamik* translates as “community meeting house”; and at Cutler Health Center, *saklamáswakan mawte* translates as “get your health together.” The signs for Long Road include a more literal *knewtik*, “on the long road,” and Rangeley Road signs include a more evocative *áksok*, “at the blueback trout place” — reflecting the Penobscot place-name for Rangeley, Maine. The project, now in its first phase with the installation of 10 signs across campus and internal signage throughout the halls of UMaine’s Wabanaki Center, developed from conversations between the UMaine Wabanaki Center and Wabanaki communities in Maine over the last few years regarding the relative invisibility of Indigenous people, places, history and languages at the university, and the specific need for Penobscot language signage on the Orono campus. “One of the goals of the signs is to show students and visitors that the university’s campus is on Wabanaki territory,” says Darren Ranco, director of Native American Programs at UMaine. “Hopefully the signage will orient our students to a more meaningful relationship with where they are in the world.” A Penobscot Language Signage Committee met regularly in the spring 2018 semester, chaired by Ranco and including alumni Carol Dana, Penobscot language master with Penobscot Cultural and Historic Preservation; James Eric Francis Sr., director of Penobscot Cultural and Historic Preservation, and tribal historian for the Penobscot Nation; Gabriel Paul, language instructor with Penobscot Cultural and Historic Preservation. Other committee members were Margaret Pearce, faculty associate with the UMaine Canadian-American Center; and UMaine students and Penobscot Nation members Claudia Cummings and Shantel Neptune. The committee worked extensively on the Penobscot translations, writing historical content for the signage and reviewing Indigenous signage used at other universities. The project plan and translations were also reported to and reviewed by the Penobscot Nation Tribal Council. “I think this project is progressive for Indigenous communities and the Indigenous students who attend the University of Maine,” says Cummings, a social work major. “The signs will make native students feel recognized and welcomed.” The committee envisioned the signage as an opportunity to make the unseen places, people, languages and historical narratives of indigenous communities visible and meaningful, as well as creating a more inclusive and respectful space for native students on campus. The first bilingual sign was installed in the fall 2018 in front of Corbett Hall, which houses the Wabanaki Center. The word *wapánahkik* is printed on the sign with the translation “in the dawnland.” Dawnland is the Wabanaki name for their homeland, and the sign reminds passersby that the Orono campus is situated on Marsh Island, within the Wabanaki and Penobscot homeland. “It’s about claiming space,” says Ranco. “It’s also about reclaiming words.” Five categories of Penobscot language signage have been planned, including: signs that restore and correct Penobscot words, spellings and meanings on existing campus signage; signs that place Penobscot words and meanings in places of authority; signs that provide perspective on Penobscot history and the Penobscot landscape; signs that empower Native American Programs to self-identify in the host language; and signs that translate the meanings of English concepts on existing campus signage. “The signs will help our community to acknowledge the past, learn from it, and be better for it,” says Robert Dana, UMaine vice president for student life and dean of students. The President’s Office and the Division of Student Life funded the first phase of the signage project. Many of the external signs in phase one of the project were designed to create an awareness of place while also evoking the traditional activities of the spot where they stand and the presence of multiple, living languages for places. “There’s not a word for museum in the Penobscot language, so a translation of museum would be more about evoking the concept of memory,” says Ranco. “These signs will hopefully encourage us to reconsider the way we interact with these spaces and to feel connected to them in the way Penobscot people do.” Ranco also recognizes the playfulness of the Penobscot language and that the signage should capture the imagination of passersby. For instance, the Penobscot greeting now displayed on the football field’s digital sign, *kkey pahkinksyek*, translates as “hello, you all are pleasing to the eyes.” The second phase of signs have been designed and will be installed along UMaine’s Mall. Phase three of the project will include larger entrance signs in prominent places across campus. To spread awareness of the signs on campus, a celebration event is being planned. The Wabanaki Center also hopes to have a website and pronunciation guide ready for when students return in the fall. Ranco believes that the success of the project and the positive feedback reflect deepening collaborations between the university and Indigenous communities, and the commitment of everyone involved. Cummings is looking forward to seeing more signs across the UMaine Orono campus. “I will see these signs everyday and be reminded of our people and culture.” Contact: Margaret Nagle, 207.581.3745

## Yarbrough named 2019 Hollings Fellow

17 Jul 2019

University of Maine third-year marine sciences major and honors student Brynn Yarbrough of Wrentham, Massachusetts has been named a 2019 Ernest F. Hollings Undergraduate Scholar by the National Oceanic and Atmospheric Administration (NOAA). Yarbrough is one of 125 Hollings Scholars nationwide selected this year by the NOAA Office of Education to receive a two-year academic scholarship for their junior and senior years, paid summer internship opportunities and funding to participate in national scientific conferences. She is the third UMaine student in three years to receive the prestigious scholarship; marine sciences major Grace McDermott was a 2017 Hollings Fellow and 2018 salutatorian and bioengineering major Brianna DeGone received the award from the NOAA Hollings scholarship program in 2016. “(The scholarship) means I’m getting closer to my goals of sharing what knowledge I gain with the world,” says Yarbrough. “(It also provides) the opportunity to work with people who can further my skills.” Since her first year at UMaine, Yarbrough has collaborated in the toxicology lab of Nishad Jayasundara, assistant professor of marine physiology, to study how zebrafish embryo mitochondria react to heat stress, including that resulting from climate change. In her research in the coming year, she will explore the implications of early-life heat stress on behavior and metabolism throughout the life stages of the zebrafish, which are model organisms. “(Professor Jayasundara) has allowed me to work with great technology on projects that test my independence,” says Yarbrough, who plans to pursue graduate school abroad. “With him, I have presented two posters, one oral presentation and mentored a high school student. This summer I will be working on publishing my first scientific paper. Thanks to him, my lab skills have improved immensely and I have been given many opportunities to grow and think for myself.” Yarbrough noted that in School of Marine Sciences classes, students are taught the academic material and “how to think properly about it.” “I do not forget what I learn because part of what I am learning is a process,” she says. “UMaine’s academic atmosphere encourages me to push myself not just for a grade, but so that I grow into the scientist I need to be.” Yarbrough was supported in her application by the School of Marine Sciences undergraduate coordinator William Ellis and the UMaine Office of Major Scholarships. To find out more about this and other merit nationally competitive scholarships, contact Nives Dal Bo-Wheeler at the Office of Major Scholarships [nives.dalbo wheeler@maine.edu](mailto:nives.dalbo wheeler@maine.edu). Contact: Margaret Nagle, 207.581.3745

## Montana Benning and Melissa Britsch: Scientific diving takes marine studies to new depths

18 Jul 2019

Montana Benning and Melissa Britsch are spending their summer learning how to dive — for science. Benning, of Waterloo, Wisconsin, is a second-year marine sciences major with a concentration in marine biology, and minors in zoology and ecology and



environmental sciences. [caption id="attachment\_71420" align="alignright" width="350"]

Melissa Britsch[/caption] Britsch, of Klamath Falls, Oregon, is a marine biology and marine policy dual master's student who earned her bachelor's degree in biology from Oregon State University in 2017. Both have taken the Basic Scuba certification course at UMaine and now are in the Intro to Research Diving class at the Darling Marine Center. "Marine science is one of my greatest passions," says Benning. "We receive so many different resources and aids from the sea — regulation of our global climate, food to eat, water to drink, air to breathe, and even energy to utilize. Today, due to pollution and global warming, many of these incredible features are changing for the worse. I believe that because the ocean provides us with so much, it is absolutely paramount that we do likewise." Benning describes her experience taking the Basic Scuba certification course as "incredible" — and being able to take skills learned in an on-campus pool to the ocean was unforgettable. "After taking the basic scuba class I knew I had fallen in love with diving as a whole and that is why I decided to jump right into scientific diving," she says. "My favorite part of scientific diving so far is definitely being able to see the variety of organisms at each dive site, as there are always so many!" She hopes to eventually become a Divemaster. Benning also is very involved on campus — she is a biology tutor for the Tutor Program, a lifeguard at the Student Recreation Center, a 4-H STEM Ambassador, and a member of the Coral Club, Marine Sciences Club and Crew Club. She also enjoys running. "I am so thankful for all of these opportunities that UMaine has given me and I can't wait to see what else is in store!" she says. "I'm fascinated by the ocean and always have been. I grew up several hours from the coast and loved going to the beach," says Britsch. "I'm interested in studying the ocean because I think it is really cool and it also needs protection. I want my research to contribute to understanding how we use the ocean and to help conserve it, now and in the future." Britsch says the Basic Scuba course was very fun and the class learned a lot, progressing from the beginner level to being certified divers in just a few months. Now she's moved on to the next level to keep learning and improving her diving skills. "Getting to see underwater organisms in their natural habitat has been an amazing experience, but I think that one of the most interesting parts has been learning how to apply science to diving," she says of the second course. "I like expanding my diving skills, but I love science and I really enjoy seeing how I can dive and do science at the same time." Outside the classroom, Britsch enjoys hiking, rock climbing and playing viola. "Maine is a beautiful state and I'm very glad that I came here," she says. "I love the community at the university and the many opportunities to grow, both academically and in the diverse extracurricular activities that the university offers. I'm also grateful for the opportunity to go to graduate school here and to take classes like science diving, where I am learning skills that I will use after I graduate." Contact: Cleo Barker, 207.581.3729

#### **Abigail Wiegand: Food science, nutrition student investigates potential of sugar kelp**

**18 Jul 2019**

Abigail Wiegand of Stratford, Connecticut earned a bachelor's degree in biochemistry from Southern Connecticut State University in 2016, and now is a master's student in food science and human nutrition at UMaine. "I am passionate about food and nutrition because it is where science meets everyday life. Everyone eats every day, and the body uses chemistry to turn that food into useful energy and building blocks," says Wiegand. "I am fascinated by the interaction between people and their environment, and food is the most tangible focus of that relationship." Wiegand's research focuses on Maine-grown sugar kelp. She freeze-dries the kelp, then extracts bioactive compounds and analyzes the samples to determine their concentration of polyphenols, a class of antioxidant compounds, and to measure their ability to neutralize free radicals, which cause cell damage. She also uses the kelp extracts to treat cells in vitro, testing to make sure the extracts are not toxic and determining their ability to reduce nitric oxide production, an indicator of cellular inflammation. In June, Wiegand presented her research at the American Society for Nutrition's annual international conference in Baltimore, Maryland. "I was very proud of the opportunity to gain exposure for myself, my research and the University of Maine," she says. "It was a privilege to be able to learn about cutting-edge research from the leading researchers in the field." In addition to studying seaweed, Wiegand enjoys hiking, practicing yoga and spending time at home with her cat and fiancé, as well as cooking and traveling — mostly "to eat my way around the world," she says. "I absolutely love living in Maine," says Wiegand. "My favorite thing about being a part of the UMaine community is how welcoming it is. I immediately felt at home when I arrived, and I can't imagine being anywhere else." Contact: Cleo Barker, 207.581.3729

#### **UMM leadership change announced**

**18 Jul 2019**

Andrew Egan, vice president for academic affairs and head of campus at the University of Maine at Machias (UMM), has announced his intention to step down, effective Aug. 15. Egan joined UMM, a regional campus of the University of Maine, on Aug. 13, 2018. Daniel Qualls, associate professor of education, will serve as interim vice president for academic affairs and head of campus. Qualls joined the UMM community in 2008 and holds a Ph.D. from the University of Tennessee. "We appreciate Andy's leadership in the second year of the UMaine-UMM partnership and wish him well," says UMaine President Joan Ferrini-Mundy, to whom the UMM vice president and head of campus reports. "I look forward to collaborating with Dr. Qualls, the UMM Board of Visitors and the UMM community to sustain and grow the University of Maine at Machias as an educational, cultural and economic resource for the Down East region." "It's been a real honor serving the UMM community and the hardworking people of Down East Maine," Egan says. "I wish UMM the very best going forward." Promoting enrollment growth, increasing efficiencies, and advancing program and research opportunities are at the heart of the primary partnership between UMaine and the University of Maine at Machias that began July 1, 2017. At that time, UMM became a regional campus of UMaine, while maintaining its mission, degree programs and leadership role in the community. Contact: Margaret Nagle, 207.581.3745

#### **Study finds small mammals aid expansion of warm-climate trees**

**18 Jul 2019**

A new study by Alessio Mortelliti, an assistant professor of wildlife habitat ecology at the University of Maine, finds small mammals could affect whether trees spread to new areas in a warming climate. Mortelliti's research, which was published in the journal *Oikos*, looks at the behavior of small forest mammals that eat acorns and other tree seeds. By choosing certain seeds and rejecting others, the animals can alter the trees that make up a forest, according to a [Second Century Stewardship](#) news release. If they eat all the seeds in their territory, those seeds can't grow into new trees. Seeds that are carried away, stored for later, and then forgotten can germinate away from their parent tree, the release states. Mortelliti and his team studied how animals react to "new" or unfamiliar seeds of warmer-climate trees. "The way in which seed predators contend with the novel seed or fruit, and the way in which this interaction subsequently unfolds could have dramatic consequences on a plant species' successful establishment in the new ecosystem," the researchers wrote. Results suggest the interaction between small mammals and novel seeds may have cascading effects on climate-induced plant range shifts and community composition, according to the researchers. Mortelliti conducted the research in Acadia National Park as part of a Second Century Stewardship fellowship from Schoodic Institute, the National Park Service, and the National Park Foundation. The full Second Century Stewardship news release is [online](#).

#### **Advertiser Democrat advances UMaine Extension poultry raising workshop**

**18 Jul 2019**

[Advertiser Democrat](#) advanced a University of Maine Cooperative Extension workshop on raising backyard poultry from 1–3 p.m. Aug. 7 at the Oxford County Extension office in South Paris. Colt Knight, Extension livestock specialist, will discuss poultry breeds,

housing, health and nutrition for small-scale egg producers, the article states. The cost is \$10 per person and includes a light smoked chicken lunch; limited financial assistance is available, according to the article. Registration is [online](#). For more information or to request a reasonable accommodation, call 207.743.6329 or email [extension.oxford@maine.edu](mailto:extension.oxford@maine.edu).

#### **CBC interviews Wahle about Northumberland Strait warming, lobsters**

**18 Jul 2019**

[CBC](#) interviewed Rick Wahle, director of the Lobster Institute at the University of Maine, for an article about climate change-related warming in the Northumberland Strait near Prince Edward Island, Canada and the effects it could have on the lobster fishery. Wahle, who has surveyed the waters off PEI, said the good news was that there were record levels of baby lobsters, and he expects populations in the area to remain strong for the next 30 years. But warming also could spell disaster. “The prevalence of shell disease is strongly correlated with warmer temperatures,” said Wahle, who has noted such a correlation in waters off Rhode Island. “As of now we don’t see shell disease as being a serious factor in Canadian waters, but I would think that some of the warmer areas — such as the south side of Prince Edward Island and maybe the southern part of Nova Scotia — may be the most vulnerable to that disease.”

#### **VillageSoup previews 4-H Summer of Science program in Cushing**

**18 Jul 2019**

[VillageSoup](#) previewed a free Summer of Science program for children ages 7–12, run by University of Maine Cooperative Extension 4-H, to be held at the Cushing Public Library beginning at 1:30 p.m. July 26. Additional sessions will be held on Aug. 2 and 9. Participants will use the Engineer Design Process and act as pirates seeking hidden treasure while learning ocean science — the topics are Seaweed Filter, Layers of the Ocean and Salt Water Density, VillageSoup reported. Attendance is limited, and participants are advised to sign up soon at the library’s front desk or by calling 207.354.8860.

#### **WABI covers domestic violence training at UMaine**

**18 Jul 2019**

[WABI](#) (Channel 5) covered a training about domestic violence at the University of Maine on July 17. About 150 mental health professionals gathered on campus for the session, which was intended to educate social workers and others who interact with survivors and perpetrators of domestic violence. “I think sometimes there’s a misunderstanding that it’s common sense knowledge, but actually we have not just mental health practices, but we have legal stuff that we have to know in terms of giving our clients the right information,” said Judith Josiah-Martin with the UMaine School of Social Work. The training covered topics like how abusers justify their behavior; the power and control the abuser can use on a victim, including using children and intimidation; and how to help with a safety plan, WABI reported. “I think with the rising number of clients that we work with as mental health practitioners, who are experiencing trauma on multiple levels, that no practitioner can afford to be in the field today without having this education,” said Josiah-Martin. “I think the more people we have educated about this, not just practitioners, community members, family members, so that they can be a part of the healing circle, not just for the individual or for their family, but for the whole community.” Beginning next year, the training will be mandatory before a license to practice social work is issued, according to WABI. Anyone interested in similar training can contact Partners for Peace for more information.

#### **BDN speaks with Welcomer, Marcinkowski about goat milking, cheesemaking**

**18 Jul 2019**

The [Bangor Daily News](#) spoke with Stephanie Welcomer, professor and associate dean of the Maine Business School at the University of Maine; and David Marcinkowski, associate professor and extension dairy specialist with the University of Maine Cooperative Extension, for the article “Maine farmers were milking goats long before it was trendy.” “The original [goat] cheese producers who popped up in the ’70s and ’80s were largely women who turned to goats instead of the traditional cow dairy,” said Welcomer. “Some of these women were really pioneers in introducing goat cheese.” Goat milking is the fastest growing farming sector in the United States, according to the U.S. Department of Agriculture’s latest Census of Agriculture — dairy goat herds grew 61 percent between 2007 and 2017, the BDN reported. “The artisanal cheese market has really exploded,” said Welcomer. “[In Maine], we’ve gone from 10 to 20 creameries to over 80. [Maine is] first in terms of per capita creameries and second to New York in number of artisanal creameries.” According to Welcomer, Maine has less strict governmental regulations on startup dairy operations than other states, which could attract potential goat milkers. “The barriers to entry are a little lower. If you decide you want to try this out and get serious about it, you can build a creamery for less than \$50,000. That makes cheesemaking thinkable,” she said. Goat milk is primarily used for value-added products like cheese and soap, which are not as much at the mercy of the whims of fluctuating dairy markets as cow milk is, according to the BDN, but value-added products do have their own challenges. “There’s certainly more interest in goats,” said Marcinkowski. “Most of that milk is going into cheese operations and stuff like that. But you have to then market yourself and your products, and that can have all of its own issues as well.”

#### **Longtime UMaine admissions director passes away**

**19 Jul 2019**

Albert Hackett of Orono, a University of Maine alumnus and longtime admissions director, passed away July 13. He was 88. Hackett was a UMaine student-athlete who was inducted into the Maine Baseball Hall of Fame and University of Maine Sports Hall of Fame. He began his career at UMaine in 1966, and was named director emeritus of admissions in 1994. An obituary is [online](#).

#### **Daily Bulldog previews 4-H Summer of Science program in Farmington**

**19 Jul 2019**

[Daily Bulldog](#) previewed a free Summer of Science program for school-age children, run by University of Maine Cooperative Extension 4-H, at the Farmington Public Library. Participants will use the Engineer Design Process and act as pirates seeking hidden treasure while learning ocean science, Daily Bulldog reported. Sessions include “Seaweed Filter” at 1 p.m. July 18, “Layers of the Ocean” at 2 p.m. July 23, “Salt Water Density” at 2 p.m. Aug. 6, “Catapults” at 2 p.m. Aug. 13, “Stretch Your Potential” at 2 p.m. Aug. 20, and “Will it Light” at 2 p.m. Aug. 27. For more information, call 778.4312.

#### **Media speaks with Dill about theory of ticks as biological weapons**

**19 Jul 2019**

[News Center Maine](#) spoke with Griffin Dill, an integrated pest management professional and director of the Tick Lab with University of Maine Cooperative Extension, for a report on the theory that the government could have used ticks as a biological weapon to spread Lyme disease. “The theory being that Lyme disease was one of those bioweapons and that they were doing all this testing on ticks in the New York and Connecticut area, and that somehow the ticks were released into the environment and that’s what triggered the whole modern Lyme epidemic,” said Dill. According to Dill, the bacteria that causes Lyme disease has been around for tens of thousands of years, and dealing with the disease now is more of a priority than discerning its origin. “It’s certainly not a new issue. It wasn’t necessarily created in a government lab. So, it’s something that’s been present here for many years, continues to be present, and is a problem now,” he said. Dill also talked with [WABI](#) (Channel 5) about the topic.

#### **Franklin Journal reports outdoor leadership program offered at Bryant Pond**

**19 Jul 2019**

[The Franklin Journal](#) reported the University of Maine Early College program is offering a new outdoor leadership pathway program for western Maine high school students to earn UMaine college credit tuition-free. The outdoor leadership program at UMaine’s 4-H Camp and Learning Center at Bryant Pond focuses on developing an individual’s leadership skills while providing intensive training in contemporary and traditional outdoor activities, and immersion experiences in the Maine outdoors, according to the article. Graduates will be well positioned to succeed in a variety of outdoor-oriented careers in business, nonprot and educational settings. They also will gain leadership skills and condence that will serve them in any career, the article states. Course registration is [online](#). For more information, contact Allison Small, 581.8004, [um.earlycollege@maine.edu](mailto:um.earlycollege@maine.edu); or Ryder Scott, 890.8626. [Maine Department of Education Newsroom](#) also reported on the program.

#### **Leslie featured in Working Waterfront article on fisheries conference**

19 Jul 2019

[Working Waterfront](#) featured Heather Leslie, director of the University of Maine's Darling Marine Center in Walpole, in an article about the Maine Center for Coastal Fisheries "State of the Science" conference, held June 17 at the University of Maine at Machias. The conference focused on a more sophisticated, nuanced approach to fisheries regulation that takes into account the need for fisheries management to be more localized and more closely tied to those who work in the fishing industry, according to the article. Leslie, the keynote speaker at the conference, outlined an example of "the emerging science of social-ecological marine systems" in her talk. That approach "recognizes connections between human activity and fisheries; is place-based; draws on the various values people have for ocean ecosystems; and attends to changing conditions," and if done well, results in resilient human and ecological systems, according to Leslie. Leslie and students have spent four years studying the systems in the Gulf of California, gathering social data to match the ecological data and give equal weight to both the people who live and work in the area and the marine species, according to the article. "We need to understand how people respond to changes. We can't have those conversations about how to tailor the management," she said, until first understanding the biological and social science data.

#### Mainebiz reports on expanded study of digital badge initiative

19 Jul 2019

[Mainebiz](#) reported the University of Maine is participating in an expanded study of the use of digital "badges" to connect students and employers. The new initiative, BadgedToHire, builds on a pilot project led by Washington, D.C.-based nonprofit Education Design Lab. UMaine, Bangor Savings Bank and Northern Light Health were part of that pilot project, working to identify essential, but difficult to measure, qualities of entry-level employees, such as intercultural fluency, communication skills and resilience, the article states. Digital badges would signify to employers that job applicants have those skills. Education Design Lab will work with UMaine, Central New Mexico Community College, San Jose State University and employer partners over the next two years to study acceptance of the credentials and improve hiring outcomes among underserved students, Mainebiz reported. The industry publication [HR Dive](#) also wrote that the Education Design Lab will implement a two-year study and expanded pilot program on the value of "mobility skills credentials" in hiring, particularly for historically underserved learners. [Education Dive](#) also carried the HR Dive report.

#### UMaine tapped as one of three nationwide to participate in BadgedToHire

19 Jul 2019

The University of Maine is one of three higher education institutions nationwide selected to participate in a two-year micro-credentialing initiative with employer partners statewide, made possible by a grant from Lumina Foundation to Education Design Lab. Since last September, UMaine has been one of seven colleges participating in a yearlong 21st Century Skills initiative of the Education Design Lab, a Washington, D.C.-based nonprofit dedicated to reenvisioning the school-to-work pipeline. The university partnered with Northern Light Health and Bangor Savings Bank in the project designed to identify, recognize and match the workforce skills that college students need and employers want. As part of the new BadgedToHire program, UMaine will work with employer partners throughout Maine and the region to evaluate the value of 21st-century skills micro-credentials as a hiring signal for career readiness, particularly for underserved learners. "The 21st-century skills employers say they need in employees, including communication, creative problem-solving, empathy and critical thinking are difficult to quantify and assess," says Claire Sullivan, who developed UMaine's Engaged Black Bear digital badging initiative in 2015, and serves as the university's coordinator of community engagement. "A badge is a way to demonstrate that an employment candidate clearly has those skills. Through intentional practice and application, they are assessed, and badges are attached to the competencies." In the two-year program, participating Maine employers not only will have an opportunity to provide further input into advancements in digital badging in the state, but will be involved in mentoring and incentivizing students pursuing their badging pathways. In the next two years, BadgedToHire participants also will contribute to understanding of how digital badging can impact a hiring process and whether it contributes to an employee's success on the job. Digital badging is a workforce development strategy identified by UMaine and the University of Maine System, and aligns with the UMS "Research and Development Plan." UMaine's [Engaged Black Bear](#) initiative awards digital badges representing student accomplishments and active engagement in 18 pathways designed to take a student from participant to leader. The badges capture, recognize and promote student engagement, on campus and in the community, and validate viable workforce skills for employers. In addition, Career Ready badges are available for University of Maine at Machias students. Last August, UMaine announced a [partnership with United Technologies Center](#) to offer a digital badging initiative to increase college access and readiness through the development of a pipeline to postsecondary education. A news release about BadgedToHire is [online](#). Contact: Margaret Nagle, 207.581.3745

#### Steneck to share climate change success stories at DMC seminar

22 Jul 2019



[caption id="attachment\_71467" align="alignright" width="223"] Bob Steneck[caption] Bob Steneck will present "Marine Ecosystems that Trump Climate Change: Seas of Good News in an Ocean of Worry" at 10:30 a.m. Friday, July 26, in Brooke Hall at the University of Maine Darling Marine Center in Walpole. Despite challenges that marine ecosystems face because of climate change, the UMaine marine ecologist says it's "too early to write the obituary for our marine ecosystems." His free, public talk will highlight numerous success stories. The professor of marine biology and marine policy in the School of Marine Sciences explores coral reefs in the Caribbean and Indo-Pacific oceans and kelp forests in the North Atlantic and North Pacific oceans. He's studied lobsters, sea urchins, fish, corals, calcareous algae, historical ecology, global climate change and the science of managing marine resources. Steneck's work helps communities understand climate change and its effects on these important ecosystems. The talk is part of the DMC's science seminar series held Fridays through Aug. 16. They feature faculty, students and alumni of UMaine's School of Marine Sciences. Presentations provide opportunities to discuss current marine research that advances understanding of marine ecosystems and the human communities that are part of them. Visit [dmc.umaine.edu](#) for the list of featured speakers and topics. For more information or to request a reasonable accommodation, call 207.563.8135.

#### WABI talks with Vachon, Ralph about new basketball floor

22 Jul 2019

[WABI](#) (Channel 5) talked with University of Maine women's basketball coach Amy Vachon and athletic director Ken Ralph about the new basketball floor in Memorial Gymnasium, aka "The Pit." The refinished floor resembles the floor at Cross Insurance Center, where the men's and women's hoop teams play most of their home games. Vachon said the upgraded floor — which now has men's three-point lines and Black Bear and America East logos — looks great. Ralph said it provides a much better, much safer environment for student-athletes.

#### CentralMaine.com, Lancaster Farming share Extension releases about Swine 101, online hay directory

22 Jul 2019

[CentralMaine.com](#) and [Lancaster Farming](#) published a University of Maine Cooperative Extension media release announcing a free Swine 101 seminar being presented in multiple locations statewide. Colt Knight, UMaine Extension assistant professor and state livestock specialist, will talk about breed selection, reproductive information, nutrition, fencing, housing and meat yield. [CentralMaine.com](#) also published a Cooperative Extension release about its online hay directory for buyers and sellers of hay, straw and silage. The [website](#) also offers information about sampling, quality testing and harvesting quality hay products.



## **Penobscot Times advances Lord Hall Gallery summer exhibits**

**22 Jul 2019**

[The Penobscot Times](#) ran a University of Maine media release about two gallery exhibitions that run through Sept. 20 at Lord Hall Gallery. UMaine assistant professor of art Giles Timms' exhibit is titled "touch my human." Irene Hardwicke Olivieri, an artist living in Seal Cove, Maine, is exhibiting paintings and mixed media titled "The Painter and her skeleton." The artists' reception and gallery talk will be held 5:30–7 p.m. Sept. 20. The public reception and exhibits are free. Lord Hall Gallery is open 9 a.m.–4 p.m. Monday through Friday, and is wheelchair accessible.

## **Pen Bay Pilot promotes fall registration at Hutchinson Center**

**22 Jul 2019**

[Penobscot Bay Pilot](#) announced that registration is open at the University of Maine Hutchinson Center in Belfast for more than 300 fall undergraduate and graduate courses, both live and via distance education. Need-based Hutchinson Center scholarships are available. The deadline for scholarship applications is Aug. 20. For more information or to schedule an advising appointment, contact Nancy Bergerson, 338.8049; [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu).

## **BDN covers Curry's coaching experience with San Antonio Spurs**

**22 Jul 2019**

The [Bangor Daily News](#) interviewed University of Maine assistant men's basketball coach Edniesha Curry about her experience guest coaching the San Antonio Spurs' Sacramento and Las Vegas summer league teams. "It was phenomenal to see such high-level athletes so selfless in everything they did throughout the day," said Curry, a former WNBA player. "Everything was really about the team, and it showed on and off the court in their interactions with everybody in the organization from the security guy to the equipment manager to guest coaches. It was really a powerful culture to see and it shows why the Spurs have been one of the most consistent organizations from top to bottom for so many years." Curry worked with Spurs' G League head coach Blake Ahearn at the Sacramento tournament and San Antonio Spurs assistant Becky Hammon in Las Vegas, according to the article. "I really enjoyed my time learning from some of the best coaches and just getting a chance every day to be with some of the best athletes in the world was a dream come true."

## **Olivier secures sixth place at Pan American Championships**

**22 Jul 2019**

Running for Team USA, James Olivier placed sixth in 1:54.21 in the 800m at the Pan American U20 Championships on July 21 in San José, Costa Rica. To advance to the final, the UMaine rising sophomore finished third in 1:52.15 during his semifinal heat Friday night. Olivier had an amazing first year as a Black Bear. To qualify for the Pan American U20 Championships, he won the 800 in 1:50.67 at the United States U20 Outdoor Track & Field Championships in Miramar, Florida. In March, the Augusta, Maine resident ran the 800m in 1:50.16 at the IC4A/ECAC Indoor Championships. For more news about Black Bear athletics, visit [goblackbears.com](http://goblackbears.com).

## **UMaine researchers explore the role of tone policing, calls for civility in student voice**

**23 Jul 2019**

Two University of Maine professors are out with new research examining how calls for civility and tone policing factor into the growing practice of student voice in preK–12 schools. Assistant professor of educational leadership Catharine Biddle and assistant professor of science education Elizabeth Hufnagel say student voice — "youth-adult partnerships and the inclusion of students in school decision-making" — is still a relatively new concept. Because it cuts against traditional ideas about youth and the purpose of education, they say schools may be ill prepared for emotional or negative feedback from students. As a result, teachers and school administrators could seek to discourage or suppress such comments, raising questions about the extent to which the goal of elevating youth voice is being met. Biddle and Hufnagel examined the case of one New England high school with nearly a decade's worth of student voice efforts. Despite that strong foundation and a national reputation as a leader in the practice, the school ran into problems when it sought open-ended comments from students on an annual survey. A handful of the comments were highly emotional and pushed the bounds of what some adults at the school thought was civil. Students and teachers alike in the school's student voice organization worried these comments would lead to a so-called "danger zone," where all feedback from students would be received negatively by teachers. Ultimately, they opted to suppress the most highly charged comments rather than share them with the entire school. As Hufnagel and Biddle point out, this represented a double standard: "They designated the bounds of civility to strategically and politically prioritize teachers' emotional well-being over sharing the students' concerns and emotional sense making." The authors also note how the regulation of emotional expression — commonly referred to as tone policing — is often used to shut down speech that a particular group of people might not want to hear. In a high school setting, where one of the goals of education is to teach students to be active participants in civic life, Hufnagel and Biddle say tone policing and calls for civility may be teaching the wrong lesson: "It is worth considering deeply whether or not this type of civic education, which reifies civility as a desirable quality over providing youth with a critical understanding of the strategic power of choosing civility, is desirable." Ultimately, Biddle and Hufnagel conclude that more research is needed into the role that emotion and civility play in the practice of student voice. Their article, "Navigating the 'Danger Zone': Tone Policing and the Bounding of Civility in the Practice of Student Voice" will appear in the August 2019 edition of the American Journal of Education. The article is available [online](#). Contact: Casey Kelly, 207.581.3751

## **Maine Public interviews Handley about blueberry harvest**

**23 Jul 2019**

[Maine Public](#) interviewed David Handley about the impact of the cold, wet, spring on the harvest of high-bush and wild blueberries. The University of Maine Cooperative Extension vegetable and small fruit specialist says the harvest is between 10 days and two weeks late and he suggested that people call the farms at which they pick to make sure the berries are ripe. "I know a number of farms down south opened this past weekend and will probably have a lot of fruit this coming weekend as we've had some warmer temperatures," he told Maine Public. The upside, he says, is that because of all the rain, the berry quality is good. The [Portland Press Herald](#) and [Lewiston Sun](#) also carried the story.

## **Dill talks with AP about yellow jackets**

**23 Jul 2019**

James Dill, a University of Maine Cooperative Extension pest management specialist, was a source for The Associated Press article "Benevolent or fearsome? Yellow jackets can be both." Yellow jackets, which have a supportive role in gardening, can be dangerous for families and pets, according to the article. "Their nests are usually small and placed under protective overhangs on houses and garages," says Dill. "Where you run into a problem is when you're mowing the lawn and come across a ground nest. You don't usually see those until it's too late. Disturb those nests and they react terribly." [The Washington Post](#) and [The Columbian](#) carried the AP report.

## **Runge cited in Ellsworth American story about rules protecting right whales**

**23 Jul 2019**

University of Maine professor Jeffrey Runge was cited in a story in [The Ellsworth American](#) about lobstermen and women rallying in Stonington to protest NOAA Fisheries rules that seek to protect endangered North Atlantic right whales from entanglements in lobster fishing gear. The lobster haulers say the rules will make fishing more dangerous and won't help right whales, according to the article. Before the rally, Gov. Janet Mills, U.S. Sen. Susan Collins and U.S. Congresspeople Jared Golden and Chellie Pingree met with Runge. Runge said scientific research indicates right whales no longer visit the Gulf of Maine because the tiny shrimplike *Calanus finmarchicus* they feed on have moved into Canada's Gulf of St. Lawrence. The [Portland Press Herald](#) carried The Ellsworth American story.

## **Ellsworth American, BDN report Egan to step down at UMM**

**24 Jul 2019**

[The Ellsworth American](#) reported that Andrew Egan, vice president for academic affairs and head of campus at the University of Maine at Machias, will step down Aug. 15. Daniel Qualls, associate professor of education, will serve as interim vice president for



academic affairs and head of campus. The [Bangor Daily News](#) also shared the announcement.

#### **Craft Brewing Business cites UMaine economic impact study**

**24 Jul 2019**

A biennial [economic impact study](#) conducted by University of Maine assistant economics professor Andrew Crawley, in conjunction with the Maine Brewers' Guild, was cited in [Craft Brewing Business](#). The study found the 140-plus active, licensed craft breweries in the state contributed more than \$260 million to Maine's economy in 2017.

#### **Kiplinger cites UMaine's Flagship Match Scholarship**

**24 Jul 2019**

The University of Maine's Flagship Match Scholarship was mentioned in a [Kiplinger](#) article about "Little-Known Ways to Pay In-State Tuition Rates at Out-of-State Colleges." UMaine provides students from California, Connecticut, Illinois, Massachusetts, New Hampshire, New Jersey, Pennsylvania, Rhode Island and Vermont its education at the same sticker price (tuition and fees) as that of the public flagship in the student's home state, according to the article. "To qualify for the best deal, students must earn at least a 3.0 grade-point average and score a combined 1120 on the SAT. Students from other states who meet the academic standards can receive \$13,200 off the University of Maine's out-of-state tuition and fees (\$29,480 for 2016-17). Students with lower GPAs and scores can receive a \$9,000 discount."

#### **Blackstone's child-free opinion pieces published in Grazia, Ms., Time**

**24 Jul 2019**

University of Maine sociologist Amy Blackstone, whose book '[Childfree By Choice](#)' was published in June, recently had opinion pieces published in Grazia, Ms. and Time. In "Why I'm Child-Free, Not Child-Less" in [Grazia](#), Blackstone wrote that the reasons that she and her husband Lance had "for not wanting to be parents — joy, fulfilment, the desire to nurture relationships, a concern for the future — look very much the same as others' reasons for opting in to parenthood...The truth is, there are many ways to find meaning, form a family and leave a legacy. For me, and for more and more people today, that path simply doesn't happen to include being a parent." In [Ms.](#), in response to pundits worried about the declining birth rate in the United States, Blackstone wrote that "more people will not make our country stronger. Healthy children, happy parents, and citizens who choose freely how their households are composed are what make us great." In her [Time](#) piece "I Chose Not to Have Kids. That Doesn't Mean I Hate Them," Blackstone wrote, "Some people want to be parents, some are driven by something else — their marriage, their career, travel, animal rescue, environmental activism. Often, though, the way they spend their time and the role they play in their communities and beyond helps make the world a better place for the kids growing up in it. We hear proclamations all the time that it takes a village to raise a child, and childfree people too are an important part of that village." Blackstone also talked about the child-free choice on [Wisconsin Public Radio](#) and in an interview with [Fatherly](#).

#### **Walker, Tajvidi talk with News Center Maine about 'Nanocellulose Valley'**

**24 Jul 2019**

[News Center Maine](#) interviewed Colleen Walker and [Medhi Tajvidi](#) for its story about nanocellulose research at the University of Maine, the lone facility in the United States with the ability to produce 1 ton of nanocellulose per day. Nanocellulose, made from wood pulp, is renewable, biodegradable and strong, and can be used to make a number of eco-friendly products. "I believe it puts Maine in this very unique position. Maine has the potential to become what I call 'Nanocellulose Valley,'" said Walker, director of UMaine's Process and Development Center. "You have the production, you have the raw material through the state of Maine, and the people that can develop the application." Tajvidi, an assistant professor of renewable nanomaterials at UMaine, told News Center that his target applications "are basically things that are high-volume, lower-value products like building products and household items." Particleboard is one product that Tajvidi is working on creating with nanocellulose. "You replace that formaldehyde-based resin with nanocellulose, so basically we are using wood to bind wood products together."

#### **Seacoastonline advances Dagher's Aug. 6 talk about wind energy**

**24 Jul 2019**

[Seacoastonline.com](#) advanced Habib Dagher's talk at 7 p.m. Aug. 6, at the York High School Auditorium. Dagher, founding director of the Advanced Structures and Composites Center at the University of Maine, will talk about capturing energy from wind over the Gulf of Maine and resultant advantages to the state. Dagher and UMaine colleagues have developed floating wind turbine hull technology to harness winds over ocean depths of 150 feet or more. The U.S. Department of Energy awarded UMaine \$40 million to build a floating wind turbine demonstration project to test the technology, develop the supply chain and determine the floating wind turbines' impacts on the environment, fish and birds. Winds over the Gulf of Maine can annually produce more than 156 gigawatts of clean, renewable energy. The state of Maine annually uses 2.4 GW, according to the article.

#### **Staff training exercise July 25 at Cutler Health Center**

**24 Jul 2019**

Thursday, July 25, 7-8 a.m., Cutler Health Center staff will be involved in a active assailant training exercise. During this time, members of the University of Maine community may see law enforcement officers in and around the building. For more information, contact Lt. Bob Norman, UMaine Police Department, 581.4040.

#### **Center offering additive metal manufacturing services, training to Maine businesses**

**25 Jul 2019**

A center at the University of Maine is offering additive metal manufacturing services and training to facilitate the adoption of 3D metal printing in businesses around the state. The Center for Additive Manufacturing of Metals (CAMM), based at the Advanced Manufacturing Center (AMC) on the Orono campus, focuses on the process of fusing small metal particles together through 3D printing to form solid metal objects. The bound metal-deposition modeling process is ideal for small parts used in tooling or fixturing. Funding for the center comes from a nearly \$500,000 Maine Technology Institute (MTI) cluster initiative program grant, with matching funds from the university and 35 Maine companies, bringing the total to \$1 million. The funds also will be used as a partial match for a \$750,000 U.S. Economic Development Administration grant AMC recently received. With matching funds, the grant totals \$1.5 million. CAMM is working with the partner companies, including GE Power in Bangor and Pratt & Whitney in North Berwick, to produce parts, as well as test and conduct research on the process. [https://www.youtube.com/watch?time\\_continue=1&v=gHQ2A0uCVqA](https://www.youtube.com/watch?time_continue=1&v=gHQ2A0uCVqA) [Read transcript](#) The center is training company personnel as well as UMaine staff and students on the new technology, and is the only Maine facility currently offering these services. CAMM, which has been in a pilot phase for the past two months, recently was awarded "Innovator of the Year" at the Manufacturers Association of Maine's annual summit. The initiative aligns with the University of Maine System "[Research and Development Plan](#)." "We're helping to further the technology and taking the risk away for companies," says John Belding, AMC director. "We can work with them on the training, the design, the research aspect of making the parts." By using CAMM services, companies can create a product and realize the potential of adding the technology to their facility before spending \$200,000 on a new machine. "The goal is to at least disseminate the technology and get it out there in the field where people are interested and want to use it," Belding says. Additive metal manufacturing, which produces little wasted material, is a more advanced and cost-effective process than subtractive manufacturing, where you take away material to create parts, according to Belding. "There are tons of Maine companies that have a plastic 3D printer that they use for different tools and fixtures. When they make a part out of plastic, sometimes they need to turn around and make it again out of metal so they can use it in the production process. With CAMM, we skip that whole plastic step and go directly to metal parts that can be used in production," says Belding, who adds that more can be done with metal products with little difference in price. The 3D metal printing process can be used in a variety of ways, including creating prototypes and fixtures that are needed to make other parts, such as a piece to hold a part in place to apply a coating, numbering system or machining, Belding says. A system of three machines at CAMM uses metal powder mixed with wax and a polymer binder to create structures that have similar properties to metal parts produced via casting or subtractive processes such as milling or turning. The powder and binder mix, called Bound Metal Deposition, is packaged in sticks, similar to hot glue, and is extruded layer by layer from a 3D printer in a pattern that represents the part that will be manufactured. From there, the part goes into a debinding machine to remove the wax. It is then finished in a vacuum furnace that gets up to 2,500 degrees F. The furnace shrinks the material by 20 percent and consolidates the part into a 98.9 percent solid piece, according to Belding. While it can take up to a week to create a part, according to Belding, there is no tooling or machining involved, and several parts can be made at once. The Studio System machines come from Desktop Metal, a startup out of Burlington, Mass. "A lot of the technology is happening outside the state in the Northeast," Belding says. "We see our mission as to really help Maine raise the bar and come up to speed in additive metal manufacturing." CAMM is located in the AMC, an engineering support and service center that is dedicated to promoting economic development in the state and beyond. As part of the College of Engineering, AMC links UMaine's education and research with the university's active industrial support and economic development programs. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## Transcript

**John Belding:** The Center for Additive Manufacturing of Metals is an MTI grant that we received in collaboration with 35 Maine companies, where we're working with those Maine companies to realize the technology of additive 3D metal printing. So taking metal particles, 3D printing them and turning them into solid metal objects. We have three different machines here. The first machine is a 3D printer. It uses a metal powder that's bound into a wax. That wax is put into the head and it almost like a hot glue gun, squeezed out onto the build platform. Once the build is complete, we take out the sheet. It then goes into a debinding process which basically removes all of the wax and leaves just a plasticized binder. Then it goes into a sintering furnace which shrinks it — the material — by 20 percent and consolidates the part into a 98.9 percent hard part; final consistency. What we want to do is work with the companies, do the research, take the risk away from them so they can come to us and say, "This is what we want to build." So we can work with them on the training, we can work with them on the design, the research aspect of making the parts. Once they turn around and get a good product and realize the potential of it, then they may say, "Hey, we want to have one of these machines in our facility," and they'll go buy that down the road. [Back to post](#)

### Morning Ag Clips advances Food Preservation Workshop in Dover-Foxcroft

25 Jul 2019

[Morning Ag Clips](#) and [The Piscataquis Observer](#) posted a University of Maine Cooperative Extension release about the Aug. 6 Food Preservation Hands-on Workshop at the Piscataquis County office, 165 East Main St., Dover-Foxcroft. Learn to can and freeze garden vegetables and how to use a water bath canner to preserve pickles, jam and vegetables. For more information and to register, visit the Cooperative Extension [website](#).

### WABI interviews student-athletes at day of service in Madison

25 Jul 2019

[WABI](#) (Channel 5) interviewed several University of Maine student-athletes who teamed with New Balance for a day of service with youth in Madison. Asked what she learned from being in a small Maine town, Beate Naglestad, a soccer player from Oppegård, Norway, said, "The simple things that matter in life...the importance of family here...and the community support, too."

### Pure Wow references UMaine chocolate study

25 Jul 2019

[Pure Wow](#) cited a University of Maine study in its story about Nestlé using a patented technique to make chocolate without refined sugar. "Bear in mind that this isn't the first time we've justified our chocolate habit as 'healthy.' We were positively buzzing when a 2016 University of Maine [study](#) that found that eating chocolate is positively associated with cognitive performance."

### WGME shows footage of candlelight remembrance for Darius Minor

25 Jul 2019

[WGME](#) showed footage of the University of Maine football team's candlelight remembrance at Morse Field to mark the one-year anniversary of the death of Darius Minor, a first-year football player who collapsed last July during a workout.

### McConnon, Marcinkowski talk with BDN about agritourism

25 Jul 2019

The [Bangor Daily News](#) interviewed James McConnon and David Marcinkowski for its story about cheesemakers forming a Midcoast Cheese Trail, similar to the wine, beer and ice cream trails in Maine. McConnon, University of Maine Extension business and economics specialist and professor of economics, told the BDN that agritourism is a natural fit for the state. "Agriculture is a very important part of our economy, and agritourism ties nicely into our tourism industry, which is a very important industry in and of itself," he said. There are other kinds of trails that have been developed all across the country, food related and nonfood related, that have shown to be successful in terms of bringing customers into rural areas and allowing those customers to help support the growth and development of those businesses. Marcinkowski, associate professor of animal and veterinary sciences and Extension dairy specialist, said the area is well positioned for agritourism success. "Location is very important," he said. "You have to be near a population center where people are vacationing in Maine. The coast is it."

### WABI, B98.5 tout Cooperative Extension Tick Lab

25 Jul 2019

[WABI](#) (Channel 5) interviewed Griffin Dill and Thomas Rounsville about testing done at the University of Maine Cooperative Extension [Tick Lab](#), which is part of the [Pest Management Unit](#) within the [Cooperative Extension Diagnostic and Research Laboratory](#). Maine residents can have ticks tested for pathogens for \$15 per sample. "We can get a good idea of the geographic distribution of where ticks are being found, what ticks are being found, as well as where and what pathogens are being found within the tick population," said Dill, an integrated pest management professional with Cooperative Extension and coordinator of the tick lab. Dill told WABI the lab has received 1,500 ticks since April. "The primary ones we are looking at are deer ticks, the dog tick, and something called the woodchuck tick. The deer tick and the dog tick are by far the most common species that we encounter." Thomas Rounsville, a molecular diagnostic professional with Cooperative Extension, said testing can provide people with peace of mind as well as allow staff to "create maps throughout the state of higher areas of risk [and to] research how these tick-borne diseases are changing." Instructions about submitting a tick specimen is on the Tick Lab [website](#). [B98.5](#), Central Maine's country radio station, encouraged people to submit ticks for testing to the lab in light of the Maine Center for Disease Control announcement that an adult patient in southern Maine had been diagnosed with Powassan virus.

### Hello Homestead, WABI highlight GPS Cows program

25 Jul 2019

[Hello Homestead](#), whose parent company is the Bangor Daily News, and [WABI](#) (Channel 5) featured [GPS Cows](#), a collaborative project involving the University of Maine, in which high school students build cow collars with built-in global positioning systems, then collect, analyze and present data about grazing ruminants. "Large-scale farming is increasingly digital," said Colt Knight, assistant professor and livestock specialist at the University of Maine Cooperative Extension and co-founder of GPS Cows. "These skills transfer. The point is to improve digital literacy, not just to make a GPS collar for cows." Knight said tracking cows allows ranchers to determine which cows are most self-sufficient so they can breed them and build a better herd. "There's a perception that, 'Hey, I'm gonna be a farmer, I'm going into a more rural trade, I don't need to learn how to use more modern technology, especially computers, softwares and things.' And we want folks to understand that's not necessarily true," Knight told WABI. A pilot of the GPS Cows program was held last year in Maine, according to the story. Participants presented their findings to the general public during a poster competition; the winner expanded his project and took second place at the Maine State Science Fair, according to the story. The program is in hundreds of schools in Australia. Knight has room in this year's GPS Cows class. For information or to sign up: 207.581.2953, [colt.knight@maine.edu](mailto:colt.knight@maine.edu).

### Mayer quoted in Eos article on study of what keeps oxygen in air

26 Jul 2019

Lawrence Mayer, a biogeochemist in the University of Maine School of Marine Sciences, was quoted in an [Eos](#) article about a new study of what keeps oxygen in the air. According to the article, microbes take oxygen from the air when they help dead plants decay, to the extent that if all organic matter from dead organisms rotted, the atmosphere would contain very little oxygen. "It's a long-standing question that has been debated for many years now," said Mayer, referring to the question of what is keeping microbes from consuming the organic carbon in Earth's rock record, and oxygen along with it. Some answers might be found in new research led by Jordon Hemingway at Harvard University. His two hypotheses offer the explanation that either organic carbon molecules in dead things are hard for microbes to break down, or that minerals "jail" organic molecules with chemical bonds and protect them from microbes, according to Eos. Hemingway's research team found evidence supporting the "jail" hypothesis, or mineral protection hypothesis, which could have implications for understanding the past. "I think it's a big breakthrough," said Mayer, who was not involved in the study. "We know that early on you didn't have oxygen, and then you had it. Did mineral protection arise at some time?"

## Lincoln County News speaks with Handley about strawberry season

26 Jul 2019

[The Lincoln County News](#) spoke with David Handley, a vegetable and small fruit specialist and cooperating professor of horticulture with University of Maine Cooperative Extension, for a report on this year’s strawberry season. Strawberry farmers in Lincoln County are reporting a late and short season that is already coming to a close, the article states. According to Handley, repeated freezing and thawing earlier in the year resulted in more strawberry, blueberry and raspberry farms suffering winter kill than normal. He said increased rain in the fall, followed by a sudden cold, was a factor. And snowfall in early November caught many strawberry farmers off guard before they had fully mulched and insulated their plants from cold and frost, Handley said. With so many factors influencing farming, Handley and others interviewed for the report said all a farmer can do is learn and try to do better next year.

## Penobscot Times advances August star shows at Emera Astronomy Center

26 Jul 2019

[The Penobscot Times](#) advanced the August star show lineup at the University of Maine’s Emera Astronomy Center. Shows will include “Black Holes” at 2 p.m. Aug. 2; “Dream to Fly” at 7 p.m. Aug. 2, 9, 16, 23 and 30; “Coldplay: Sky Full of Stars” at 9 p.m. Aug. 2, 9, 16, 23 and 30; “Lucia: The Secret of Shooting Stars” at 2 p.m. Aug. 4, 11, 18 and 25; “Polaris: Mystery of the Polar Night” at 2 p.m. Aug. 5; “Cell! Cell! Cell!” at 2 p.m. Aug. 7; “Cosmic Recipe” at 2 p.m. Aug. 9; “Phantom of the Universe” at 2 p.m. Aug. 12; “Sesame Street: One World, One Sky” at 2 p.m. Aug. 14; “Mars 1001” at 2 p.m. Aug. 19; “We Are Astronomers” at 2 p.m. Aug. 21; “Magic Tree House: Space Mission” at 2 p.m. Aug. 23; “Explore!” at 2 p.m. Aug. 26; “The Little Star That Could” at 2 p.m. Aug. 28; and “Earth, Moon, and Sun” at 2 p.m. Aug. 30. Tickets for all programs are \$6 for adults; \$5 for UMaine students, veterans and senior citizens; and \$4 for children under 12, unless otherwise noted. Tickets are available [online](#), by calling 581.1341, or at the box office prior to the show.

## Hargest speaks about summer gardening on ‘Maine Calling’

26 Jul 2019

Pamela Hargest, a horticultural professional with University of Maine Cooperative Extension, was a recent guest on [Maine Public’s](#) “Maine Calling” radio show. The show addressed listener questions about summer gardening, including tips on planting, weeding, pruning and picking. The program was posted online along with UMaine Extension resources — a plant identification [submission form](#) and a [planting chart](#) for the home vegetable garden.

## Science magazine quotes Gardner in article on choosing academic journals

26 Jul 2019

[Science](#) magazine quoted Susan Gardner, a professor of higher education and director of the Rising Tide Center and Women’s, Gender, and Sexuality Studies at the University of Maine, in the article “For academics, what matters more: journal prestige or readership?” The article focused on how to choose which academic journals to submit publications to, and what researchers should prioritize when making those decisions. Gardner said that researchers should stay true to their own values as much as possible, but that pretenure faculty members need to think strategically when going for tenure, since “prestige and ranking matter a lot” especially at research-intensive universities. “Once [faculty members] have tenure ... they can have a voice in deciding what is going to be counted or what is going to be rewarded. Unfortunately, until they have that rank, I don’t know how much they can really move the needle,” said Gardner.

## Hello Homestead interviews Garland about planting fall vegetable gardens

26 Jul 2019

[Hello Homestead](#), an offshoot of the Bangor Daily News, interviewed Kate Garland, a horticultural professional with University of Maine Cooperative Extension, for an article about how to plant a fall vegetable garden. Fall gardens can supply fresh produce late in the season, and cool temperatures in late summer and fall can add sweetness to some vegetables as they mature, the article states. “We need to rethink the crops we traditionally plant at the end of May and consider planting them midsummer instead,” said Garland. Good fall crops include vegetables that germinate and grow well in midsummer conditions, vegetables that mature quickly and vegetables that are cold hardy, the article states. When to plant fall crops depends on how long it takes for the plant to mature, and on the predicted first frost date. To determine this, Garland recommends resources that base their predictions on past data, like “The Old Farmer’s Almanac,” which uses data from the National Oceanic and Atmospheric Administration. Since soil conditions are drier in summer than spring, gardeners might consider planting seeds a little deeper into the soil where moisture lasts longer. “You’re ensuring your seeds are going to stay moist long enough to imbibe that water and germinate,” said Garland. “The exception to that rule — because there’s always an exception — are seeds that need light to germinate.” Garland said spring-sown and fall crops can briefly overlap in the same space if timed right, and recommends investing in a season extender device like a row cover to protect plants from frost as the weather gets colder. “Things like basil I don’t gamble with at all,” she said. “I try to harvest it earlier in the season because the [plant’s] tissue is very tender and I don’t want to lose my chance to have pesto. But things like Swiss chard and spinach and any brassicas [cruciferous vegetables] are very tough and can tolerate quite a bit of cold,” she said. If you’re running out of time to plant a fall garden, Garland suggests growing microgreens, which can be harvested every few weeks, or cover crops like oats and buckwheat, which protect and enrich soil. And Garland said garlic can be planted in the fall after the first few frosts but before the ground freezes — it can be left in the ground all winter and will send up shoots in the spring. The [BDN](#) also published the article.

## UMaine debuts new center for 3D metal printing, WABI reports

26 Jul 2019

[WABI](#) (Channel 5) reported a new center at the University of Maine is focusing on 3D printing of metal objects. The Center for Additive Manufacturing of Metals (CAMP) is based in the Advanced Manufacturing Center. UMaine hopes CAMP will help the state stay up to speed with the rest of the Northeast in additive metal manufacturing, the report states. “We really want to help businesses understand the technology, learn about it, do workforce development, train students so then they go to work for Maine companies, and really help increase the capacity to be able to do this type of work here in the state of Maine,” said John Belding, director of AMC. CAMP recently won the “Innovator of the Year” award at the Manufacturers of Maine’s annual summit, according to WABI.

## Sens. Collins, King, state leaders welcome DOE assistant secretary to UMaine Composites Center

26 Jul 2019

U.S. Sens. Susan Collins and Angus King joined officials from the Maine governor’s office July 26 in welcoming Daniel Simmons, Department of Energy (DOE) assistant secretary for energy efficiency and renewable energy, to the University of Maine. Simmons toured the 100,000-square-foot Advanced Structures and Composites Center and its innovations under development, including next-generation floating wind turbines, 3D printed bio-derived recyclable construction materials and lightweight composite bridge technologies. On the tour was the largest 3D printed object in the world, part of a composite materials mold for a 75-foot bridge that will be built in Hampden, Maine using a technology developed at the UMaine Composites Center and licensed to Advanced Infrastructure Technologies, a Maine-based spinoff company. Later this year, the center will install the world’s largest 3D printer to support a partnership with Oak Ridge National Laboratory. Bio-based resins and nanocellulose fibers will be used to print large structures, such as boat and wind turbine blade molds. Leaders of Maine’s boatbuilding industry have partnered with the center to reduce manufacturing time and costs using 3D print recyclable boat molds. The pioneering research has received funding from the Maine Technology Institute. Simmons and his leadership team also observed UMaine’s patented VoltumUS floating concrete hull technology being exposed to simulated 50-year and 500-year extreme storms at the Alford W2 wind-wave basin. The Alford W2 Ocean Engineering Lab can create wind storms over a wave basin to accurately model extreme ocean storms. UMaine’s VoltumUS floating wind turbine moves less than 10 degrees off vertical in a simulated 500-year storm with 70-foot waves and 140-mile-per-hour winds. There is an international race to design and deploy floating wind turbines, and UMaine’s VoltumUS design has won \$40 million from the DOE to build the 12-megawatt Aqua Ventus I demonstration project. The floating concrete hulls will be built onshore in Maine and towed 14 miles offshore and moored to the seabed. The ability to produce the hulls locally reduces costs and creates jobs. Made from concrete, UMaine’s VoltumUS hull has now 28 U.S. and international patents, and has received design approval from the American Bureau of Shipping. According to estimates by the National Renewable Energy Laboratory, the VoltumUS concrete hull has the potential to reduce the cost of floating offshore wind to below 8 cents per kilowatt for large commercial-scale farms. The Maine demonstration project serves as a stepping-stone to validate the performance of the hull and its environmental impact, before larger farms can be built in the United States. Floating farms could be placed more than 20 miles offshore so that they are not visible from land, and can be located in areas where they minimize the effect on fishing and other ocean uses. Offshore wind is Maine’s largest untapped renewable resource with 156 gigawatts of wind capacity within 50 miles offshore. Harnessing 3 percent of the Gulf of Maine’s offshore wind potential could allow for the transition to electric heating and electric cars. The vast majority of this resource is over deep water, too deep for traditional fixed-foundation wind turbine platforms. Major fixed-bottom offshore wind projects have been awarded or are planned throughout the Northeast, such as in Massachusetts, Rhode Island, Connecticut, New Jersey and New York. Floating technologies like the one developed by UMaine can harness nearly 60 percent of the U.S. offshore wind resource within 50 miles of shore. Last month, Maine Gov. Janet Mills signed several important clean energy bills to help address climate change and create jobs. These bills include legislation to approve the contract for Maine Aqua Ventus, boost solar incentives, reduce Maine greenhouse gas emissions by 45 percent by 2030 and 80 percent by 2050, and increase Maine’s renewable portfolio standard from 40 percent today to 80 percent by 2030, and 100 percent by 2050. In addition, the governor announced that Maine will participate in a federally led Gulf of Maine Intergovernmental Regional Task Force on offshore wind with New Hampshire and Massachusetts. This summer, she will direct the creation of the Maine Offshore Wind Initiative, a state-based program to identify opportunities for offshore wind development in the Gulf of Maine and determine how Maine can best position itself to benefit from future offshore wind projects, including opportunities for job creation, supply chain and port development, and offshore wind’s impact

on Maine's energy future. The initiative also will be charged with promoting compatibility between potential future uses and existing uses in the Gulf of Maine to inform offshore wind siting considerations, and minimize any effect on Maine's commercial fishing and maritime industries. Federal and state representatives have expressed their commitment to ensure the success of the Aqua Ventus I project, which will help the U.S. regain a leadership role in floating offshore wind technology. "My first official visit as a new senator in 1997 was to Dr. Dagher's wood composite lab, and I was so impressed by the innovative work of Dr. Dagher and his team that I made a commitment to do all I could to support this vital research," says Sen. Susan Collins. "The UMaine Advanced Structures and Composites Center has become a world leader in the development of cost-effective, high-performance hybrid composite materials with applications that range from deepwater offshore wind energy to systems that protect our troops on the battlefield. I was delighted to join Secretary Simmons today to strengthen the federal-state partnership in moving the Aqua Ventus I project forward, which will help build a new clean energy economy, with thriving industries and jobs of the future here in Maine." "Maine is a global leader in clean energy and other innovative technologies thanks in a large part to the work that's being done here at the University of Maine," says Sen. Angus King. "Together with partners like the United States Department of Energy and Oak Ridge National Lab, UMaine's faculty and students are creating new tools that will boost clean energy production, maximize our state's natural resources, and help create a better world for our children and grandchildren. It was a pleasure to be here today to welcome Assistant Secretary Simmons to witness firsthand what we already know: Maine is leading the nation toward a cleaner future." "Offshore wind represents a significant opportunity for Maine," says Gov. Janet Mills. "The development of innovative technologies like Aqua Ventus will help our state embrace home-grown clean energy, create jobs of the future that strengthen our economy, and tackle climate change by reducing carbon emissions. Through the University of Maine's outstanding efforts, our state is on the vanguard of floating offshore wind development, and I look forward to continuing to work closely with our federal partners to support these important advancements." "Maine's motto is 'Dirigo' for a reason. We've always led boldly and this landmark offshore wind project is no exception. I'm grateful that the Department of Energy has entrusted the University of Maine to steward this first-of-its-kind renewable energy project in the Gulf of Maine," says U.S. Rep. Chellie Pingree. "Mainers feel the climate crisis every day — from their health to their paychecks. We know the time to reduce greenhouse gas emissions is long past due." "UMaine's composites lab is producing some of the most exciting sustainable innovation work being done by universities and young people anywhere in the country," says U.S. Rep. Jared Golden. "That's why it's so important to see Secretary Simmons pay the lab a visit and see firsthand the impressive accomplishments of these students and faculty, particularly in renewable energy and composite technologies. Securing funding for sustainability programs like those at UMaine's composites lab will help grow Maine's green energy economy and create jobs, while preparing our state for the future." "The Department of Energy is supportive of offshore wind development and particularly the first floating demonstration project in the Gulf of Maine. The offshore wind industry will create large numbers of U.S. manufacturing jobs. We are pleased to provide continued support from the U.S. Department of Energy to bring this groundbreaking project forward to completion," says Assistant Secretary Daniel Simmons, "What we have seen today reconfirms that UMaine is at the forefront of floating offshore wind technology, and Aqua Ventus I provides a crucial pathway for the United States to lead in the new energy revolution." "We are honored to welcome Assistant Secretary Daniel Simmons and his team, along with U.S. Senators Collins and King, representatives of Governor Mills, and our industry leaders," says Habib Dagher, executive director of UMaine's Advanced Structures and Composites Center. "We are energized and humbled by the tremendous support expressed by our federal, state and local industry partners, and are committed more than ever to the success of New England Aqua Ventus I and what this crucial project means for U.S. technological leadership and Maine's economy and clean energy future." Contact: Meghan Collins, 207.581.2117, mc@maine.edu

#### **Townsend to talk about red tides, changes in Gulf of Maine**

**29 Jul 2019**

David Townsend will present "Red Tides, Unusual Plankton Blooms, and Recent Changes in the Oceanography in the Gulf of Maine" at 10:30 a.m. Aug. 2, in Brooke Hall at the University of Maine Darling Marine Center in Walpole. His talk will focus on red tides, which are algal blooms that cause paralytic shellfish poisoning (PSP), and why they occur in the context of Maine's changing oceanography. For more than 35 years, Townsend has examined biological and physical relationships of phytoplankton, zooplankton and larval fish in the Gulf of Maine region. Townsend also is director of UMaine's School of Marine Sciences (SMS). With more than 85 faculty and professional research staff, SMS has the largest concentration of marine experts in Maine and is one of the strongest programs in the United States. The free, public talk is part of the DMC's science seminar series that features SMS faculty, students and alumni. Talks, which are held Fridays through Aug. 16, provide opportunities to discuss current marine research that advances understanding of marine ecosystems and the human communities that are part of them. For a list of featured speakers and topics, visit the DMC [website](#). For more information, or to request a reasonable accommodation, call 563.8135.

#### **VillageSoup previews Wahle's lobstering, Gulf of Maine talk in Camden**

**29 Jul 2019**

[VillageSoup](#) reported Rick Wahle, professor and director of the Lobster Institute at the University of Maine, will host a presentation July 31 on the future of lobstering and the Gulf of Maine at the Camden Yacht Club. In his 5 p.m. talk, Wahle will address the influences of the ocean's physical and biotic environment on the population dynamics and distribution of marine benthic organisms. An experienced scientific diver, Wahle employs field experiments and long-term monitoring to study the drivers of change in marine populations and communities, according to the article. He founded the American Lobster Settlement Index, a U.S.-Canadian monitoring collaborative and database of lobster nursery grounds that is instrumental in predicting trends in the fishery, the article states.

#### **Susan Smith, Owen Smith featured in Press Herald article on activist art**

**29 Jul 2019**

The [Portland Press Herald](#) published a feature article on Susan Smith, assistant director of the intermedia master of fine arts program at the University of Maine. Since February, Smith and her husband have traveled from their home in Dover-Foxcroft to the U.S. border with Mexico, and visited refugee detention centers in Florida and Texas, where children and others are being held, according to the article. She has created art at those facilities and won national recognition for her work, including a fabric piece from El Paso, called "The Passage: Mourning Cloth," which received the Juror's Award from the Surface Design Association for its upcoming International Exhibition in Print in the fall, the article states. At UMaine, Smith also coordinates exhibitions at the Lord Hall Gallery. Her specialty is socially engaged art, which is a requirement of second-year MFA students, said Owen Smith, director of the intermedia program and no relation to Susan. Socially and politically engaged art has been part of the curriculum at UMaine for many years, he said, and has taken on more urgency in recent years with the impact on local communities of such global issues as migration, displacement and climate change. Some students pursue it as a major, others set it aside, "but it's certainly part of a range of ideas that any contemporary artist needs to be aware of," he said. [Kennebec Journal and Morning Sentinel](#) carried the Press Herald story.

#### **News Center Maine reports on tick testing offered by UMaine Extension**

**29 Jul 2019**

[News Center Maine](#) reported the University of Maine Cooperative Extension is accepting tick submissions from people across the state to identify what type of tick they are and to see if they carry diseases. Since April 1, UMaine Extension has received about 1,500 ticks and tested around 900. They found about 45 percent of the ticks tested carry some sort of disease, and 40 percent of the affected ticks have Lyme disease, according to the report. Griffin Dill, an integrated pest management professional with UMaine Extension, said the data confirms what researchers already suspected. "The infection rate has generally been estimated somewhere (around) 40 percent in the entire state," he said. Once more data is collected, researchers will make a map of "hot spots" that shows where there are more affected ticks in the state, the report states.

#### **WVH interviews student about research on foraging designs for bees**

**29 Jul 2019**

[WVH](#) (Channel 7) reported on research being conducted by a University of Maine student as part of a larger collaborative study on honey and maple production in Maine. Eight undergraduate students are working this summer on independent research projects as part of the study between UMaine and College of the Atlantic. Henry Laurita, a UMaine zoology major from Hope, Maine, is studying foraging design for bees. His hive is located at UMaine's J. Franklin Witter Teaching and Research Center. "I'm looking at whether or not bees prefer certain arrays or certain patterns over other patterns," Laurita said. "Hopefully, that could be used by farmers or growers when they're planting gardens; they could use certain shapes or certain patterns. They could get increased honey yield and pollination because the bees would be visiting the patches more." Laurita said he wants his project to benefit bees so they can help Maine's ecosystem. Sara Velardi, a postdoctoral researcher at UMaine, said understanding beekeeping helps in ways of increasing food production in Maine. "Bees are extremely important in many different ways whether that be for crop production, whether that be for biodiversity and habitat health," she said.

#### **Sens. Collins, King welcome DOE official to UMaine Composites Center, media report**

**29 Jul 2019**

[News Center Maine](#), [WVH](#) (Channel 7) and [WABI](#) (Channel 5) reported U.S. Sens. Susan Collins and Angus King joined officials from the Maine governor's office in welcoming Daniel Simmons, Department of Energy (DOE) assistant secretary for energy efficiency and renewable energy, to the University of Maine. Simmons toured the 100,000-square-foot Advanced Structures and Composites Center and its innovations under development, including 3D-printed bio-derived recyclable construction materials, lightweight composite bridge technologies and next-generation floating wind turbines. "One percent of the Gulf of Maine is as good as a nuclear power plant in terms of wind," Habib Dagher, executive director of UMaine's Composites Center, told News Center Maine. "Our goal at the university is to bring that energy back home cost effectively, so we can keep our energy dollars in Maine." There is an international race to design and deploy floating wind turbines, and UMaine's VoltumUS design has won \$40 million from the DOE to build the 12-megawatt Aqua Ventus I demonstration project. "We are not working with the University of Maine on offshore wind because it's easy, but because it is a real challenge," Simmons said. Project leaders told WVH they hope to have a turbine in the water in 2022. [King](#) and [Collins](#) also published a joint news release about the visit.

## Student science symposium Aug. 6 at University of Maine Darling Marine Center

29 Jul 2019

Ongoing research in aquaculture, wild-caught fisheries and Maine's marine economy by University of Maine students and scientists, as well as industry and community partners statewide, will be the focus of the fourth annual SEA Fellows Symposium Aug. 6 at the UMaine Darling Marine Center in Walpole. The symposium, which is free and open to the public, begins at 2 p.m. and will feature remarks by Dannel Malloy, chancellor of the University of Maine System, and Joan Ferrini-Mundy, president of the University of Maine and its regional campus, the University of Maine at Machias (UMM). In addition to poster sessions and presentations by student researchers, there will be tours of the Darling Center's waterfront laboratories and business incubation facilities. This year's SEA Fellows projects include studies of how clams, oysters and other coastal marine species respond to changing environmental conditions; how changes to post-harvest storage of lobster may increase value; and emerging information on the ecological, economic and social factors that contribute to sustainable aquaculture and fisheries in Maine. [SEA \(Science for Economic Impact and Application\) Fellows](#) is an undergraduate training program led by UMaine and UMM, with support from [Darling Marine Center](#), [Downeast Institute](#) and [Maine EPSCoR](#). It is designed to catalyze university-industry partnerships, and support undergraduate research related to Maine's marine economy and the coastal marine ecosystems and human communities that support it. "The goal of SEA Fellows is to enable undergraduate students conducting applied marine research to communicate their findings to diverse audiences, including interested citizens and marine industry professionals," says Heather Leslie, director of the Darling Marine Center and UMaine associate professor of marine sciences, who leads the program with Brian Beal, director of research at Downeast Institute and UMM professor of marine ecology. "The symposium is open to everyone interested in research, development and technology transfer related to Maine's coast and ocean." The Darling Marine Center is located at 193 Clarks Cove Road, Walpole. The symposium will be held in Brooke Hall on the lower waterfront campus. More information about the symposium and an RSVP form are [online](#). To request a reasonable accommodation, call 207.563.8144. Founded in 1965, the mission of the UMaine Darling Marine Center is to connect people to the ocean. The center's researchers, staff and students work alongside fishermen, aquaculture entrepreneurs, marine industry professionals and other members of the community in Maine and around the world. Contact: Jessica Stumper, [jessica.stumper@maine.edu](mailto:jessica.stumper@maine.edu), 207.563.8135

## Mackenzie Mazur: Marine biology Ph.D. student presents fisheries reviews in Copenhagen

29 Jul 2019

Mackenzie Mazur, of Halifax, Nova Scotia, Canada, grew up with close ties to the coastal and marine environment. "I have always been fascinated by the ocean and how people interact with it," says the marine biology Ph.D. student. "This fascination has driven me to pursue an education in marine sciences, and since then, I have learned that fisheries science is essential for ocean sustainability." This summer, Mazur worked in the lab of Yong Chen, a professor of fisheries sciences at UMaine and a faculty fellow at the Senator George J. Mitchell Center for Sustainability Solutions, reviewing fisheries stock assessments from the Celtic Seas region for the International Council for Exploration of the Sea (ICES). Along with 19 other students and two post-doctoral researchers from the United States and China, Mazur reviewed two dozen assessments, which use computer models to understand the status of a fishery and inform management plans. And in June, she traveled to Copenhagen and presented the results of the comprehensive review, which focused on data quality and model selection. "Presenting the results in Copenhagen was a rewarding experience," she says. "I presented the reviews to the group that was drafting the advice documents for managers based on the stock assessment reports. They valued the student reviews, and the stock assessment scientists will consider all our suggestions when they start the stock assessments again next year." The Chen Lab also focuses on quantitative fisheries ecology and population dynamics, according to Mazur, who earned a bachelor's degree in marine sciences at UMaine in 2015. "Much of our research investigates the interactions between commercial fishing, ecological variables, and dynamics of fisheries populations and communities. Research from the Chen Lab also informs fisheries management in the United States," she says. Mazur loves to be on, in or near the ocean for a variety of activities — from kayaking and scuba diving to walking along the coast. "I have also recently discovered that riding scooters through Copenhagen is a lot of fun," she adds. "After attending UMaine for eight years, I can say that it was one of the best choices I have ever made. At UMaine I do not feel like just a number, and the opportunities provided by the school extend way beyond just a textbook education," says Mazur. "I have gained real experience in the field and now even experience working with international organizations! Every time the Chen Lab reviews stock assessments from ICES, I know that our work will have implications for fisheries management in Europe. It's a great feeling to know that I am making a difference." Contact: Cleo Barker, 207.581.3729

## Intermedia MFA assistant director's art highlighting refugee crisis wins international award

30 Jul 2019

Susan Smith, professor and assistant director of the University of Maine's Intermedia MFA program, was selected to win the Juror's Award from the Surface Design Association's International Exhibit 2019 for her work titled "The Passage." The installation piece consists of artifacts from social practice-based work at the Texas-Mexico border. Through a mourning cloth and various sculptures, the installation commemorates the harrowing journeys of countless migrants traveling to the United States. It is one of a series of pieces designed to address the worldwide refugee crisis, according to Smith. "What is important to me is that I think of these actions as artworks, but what is just as important to me is that these artworks engage with what is happening here and now," says Smith, who focuses on collaborative approaches to addressing social injustice through art. Smith's sculptures were created from border wall fragments embedded with fiber, clothing and items left behind by migrants that bring their journeys to life. The mourning cloth features printing and boro-stitching, a Japanese method of visibly mending textiles. The installation also had a final performance, held on the international bridge between Juárez and El Paso, in which Smith used a broom to attempt in vain to sweep away a shadow cast by a barbed wire fence. "The urgency of these times calls to me for art that is more action than artifact: when I do create an object from the experience, I intend to disturb you," Smith says. The Surface Design Association is an international nonprofit that promotes creativity, innovation and artistic excellence in textile-inspired art and design. The fall issue of the association's journal featuring the work of Smith and other artists will be available in September. Smith's work also will be part of a series of pieces on global migration on exhibit this fall at the Jerusalem Fund Museum in Washington, D.C. That exhibit will be in collaboration with Sharif Elmusa, a poet who also teaches at the American University in Cairo. Contact: Cleo Barker, 207.581.3729

## UMaine Extension provides backyard poultry workshop

30 Jul 2019

University of Maine Cooperative Extension in Oxford County will hold a workshop on raising backyard poultry 1–3 p.m. Aug. 7 at the UMaine Extension office in South Paris. UMaine Extension livestock specialist Colt Knight will discuss poultry breeds, housing, health and nutrition. Prospective and beginning small-scale egg producers will gain a general understanding of what it takes to raise poultry in people's backyards. The \$10 per person fee includes a smoked chicken lunch; limited financial assistance is available. Registration is [online](#). For more information or to request a reasonable accommodation, call 207.743.6329 or email [extension.oxford@maine.edu](mailto:extension.oxford@maine.edu).

## UMaine Extension cited in WGME report on pollinator plants

30 Jul 2019

[WGME](#) (Channel 13 in Portland) cited the University of Maine Cooperative Extension in the report, "Forecasting growth: Pollinator plants help the bees." Bees play a critical role in spreading pollen among crops, but experts say bee populations are declining. With fewer bees to pollinate, crops and flowers will be less productive, the report states. To aid their population, experts suggest growing pollinator plants, or plants that produce an especially high amount of pollen. WGME linked to [UMaine Extension](#)'s list of pollinator plants. [WFOU](#) (Fox 23 in Portland) also carried the report.

## Glover quoted in Stateline article about conflict among Democratic majorities

30 Jul 2019

[Stateline](#), an initiative of The Pew Charitable Trusts, quoted Robert Glover, an associate professor of Honors and political science at the University of Maine, in the article, "New Democratic majorities lead to rush of bills — and conflict." Democrats started the year newly in control of six state governments. They used that power to quickly undo years of conservative policies, the article states. Maine is one of six states with new Democratic trifectas, in which the party controls both the governor's office and a majority in both chambers of the legislature. Democratic governors in Maine, Colorado, Nevada and New Mexico have vetoed bills approved by their Democratic-led legislatures, according to the article. "It's easy to be united when you're united against something," Glover said. "When you have a trifecta, it exposes the fractures within the party." The [Bozeman Daily Chronicle](#) published the Stateline article.

## CBC mentions UMaine, UMM courses in report on Passamaquoddy language

30 Jul 2019

The University of Maine and University of Maine at Machias were mentioned in the [CBC](#) article, "Passamaquoddy rely on new and old technology to reverse loss of language." Efforts are underway to reverse the loss of the Passamaquoddy language in the U.S. and Canada. About 3,700 members of the Passamaquoddy Nation live in Maine's Washington County and New Brunswick's Charlotte County, according to the article. The language-revival efforts include making use of new technologies, and they've been bolstered by recordings made in the late 19th century, the article states. Elective courses on the Passamaquoddy language are offered at UMaine and UMM, as well as the University of Southern Maine, the CBC reported. [Yahoo News](#) also carried the article.

## Saar, Kahelin to tip off at FIBA U20 European Basketball Championship



**30 Jul 2019**

University of Maine women's basketball players Dor Saar and Anna Kahelin will compete Aug. 3–11 at the FIBA U20 European Basketball Championships in Prishtina, Kosovo. Kahelin plays for Team Finland, which opens with Greece on Aug. 3. Saar plays for Team Israel, which gets underway Aug. 4 with Croatia. Saar has played for five years at European Championships, where she's averaged 10.9 points, 3.8 rebounds and 3.3 assists per game. The rising junior at UMaine was a 2019 America East All-Conference Third Team member and the 2018 Rookie of the Year for the back-to-back AE Champion Black Bears. Last season, the 5-foot-6-inch point guard averaged 9.4 points, 4.9 assists and 2.4 rebounds in just over 35 minutes a contest. Kahelin, is an incoming first-year player. The 5-11 forward also played for Finland's U15, U16 and U18 national teams and the women's national squad. Her U19 team won national championships in 2016 and 2017. "We are very proud of both Dor and Anna as they get set to represent their countries and UMaine playing in the U20 European Championships," says Black Bear coach Amy Vachon. "It is a special experience when we are able to watch our players play at the highest level against some of the best players in Europe. Anna and Dor will undoubtedly make us proud in Kosovo." Black Bear fans can follow Saar and Kahelin on the [FIBA site](#). For more news about UMaine Athletics, visit [goblackbears.com](#).

#### **UNE, UMaine collaborate to develop statewide AgingME initiative**

**30 Jul 2019**

An initiative of the University of New England in collaboration with the University of Maine to improve the health and well-being of Maine's older adults through enhanced practitioner training has received a five-year award of nearly \$3.75 million from the Department of Health and Human Services' Health Resources and Services Administration (HRSA) under its Geriatrics Workforce Enhancement Program. The two universities will develop and lead a statewide collaborative called AgingME that will focus on improving the health and well-being of Maine's older adults through training enhancements and practice transformation processes at the primary care level. The innovative collaboration, in partnership with Maine's health systems leaders at MaineHealth and Northern Light and federally qualified health centers, will bring together practitioners, health professions students and educators from throughout the state to improve primary care for older adults and their caregivers. UMaine's Center on Aging will serve as the lead evaluator for the statewide geriatrics training initiative, documenting the impact of its work by collecting input and data from students, partners, older adults and caregivers reached through program efforts. At UMaine, AgingME efforts will entail the integration of geriatrics and specialized clinical content into simulation lab training for students in the School of Nursing Family Nurse Practitioner program and gerontology courses in the Interprofessional Graduate Certificate program for health and human service professionals who provide care to older adults in a variety of primary care practice and other settings. In addition, the UMaine School of Social Work will develop a geriatrics student social work field practicum unit, and the School of Food and Agriculture will incorporate a geriatrics nutrition practicum for upper-level nutrition majors and graduate dietetic interns. UMaine's clinical psychology doctoral program also will advance its training related to the health and well-being of older adults, including a comprehensive supervised experience in geropsychological review and analysis. In a joint statement announcing the funding, U.S. Sens. Susan Collins and Angus King noted that the funding will help UNE and UMaine lead efforts to meet the needs of the state's geriatrics-capable workforce to improve health outcomes for older adults in Maine and elsewhere in rural America. "This HRSA-funded project represents an unprecedented opportunity to significantly expand the geriatrics skill set of health and human services personnel across the state and ensures that UMaine will continue to perform a critical function in this regard, especially in the region's most rural communities," says Lenard Kaye, Center on Aging director and UMaine professor of social work. Contact: Margaret Nagle, 207.581.3745

#### **UMaine Early College students put Belfast Bay under the microscope**

**31 Jul 2019**

Eleven students from six Maine high schools and area home-school programs started the summer in various Belfast Bay locations as part of an intensive three-week STEM research course offered through the University of Maine's Early College Program. The students came from Belfast Area High School, Hermon High School, John Baptist Memorial High School in Bangor, Lawrence High School in Fairfield, Maine Ocean School in Searsport and Medomak Valley High School in Waldoboro. Students followed National Oceanic and Atmospheric Administration (NOAA) laboratory methods for the analysis of microplastics in the marine environment. They selected sites, employed sampling techniques, learned laboratory skills, solved problems, and analyzed, interpreted and presented data, says Susan Therio, a chemistry instructor of the course. Their data revealed that microplastic strands, fibers, films, paint chips and hard plastic fragments with fibers were most prevalent in samples taken from Belfast Bay. Another group of students explored the effect of microplastics on the feeding rate of blue mussels on algae. In a second study facilitated by David Thomas, a biology instructor, students investigated the effects of predation on juvenile clams by conducting an in-situ experiment in Belfast Bay's high intertidal zone. Results showed that predation by milky ribbon worms and blood worms was minimal even though both were found in covered pots containing the clams. Green crabs were thought to be the main predator of clams in the open pots. The high school students presented the results of their research, career-planning and job-shadowing experiences in poster presentations and talks at a Hutchinson Center symposium. Kristina Cammen, UMaine assistant professor of marine mammal science and faculty associate in the Senator George J. Mitchell Center for Sustainability Solutions, was the event's keynote speaker. Introduction to Integrated Science and Career Exploration (INT 188) is a college-level STEM research course designed to introduce high school students to higher education, and careers in science, technology, engineering and mathematics. In the 38 hours of course and lab work, students undertake a guided research project with peers. Upon completion, students earn three UMaine college credits. They also participate in eight hours of job shadowing and career planning with local STEM-related businesses. Through a partnership between the Maine Department of Education and UMaine, tuition is waived for students of Maine public and home schools for up to 12 college credit hours per year. The UMaine Early College Program is a leader in the University of Maine System [initiative](#) to "strengthen the connection between secondary and higher education." Starting Sept. 3, UMaine will offer more than 80 on-campus courses and over 35 online fall courses suitable for rising high school juniors and seniors. Interested students and parents are encouraged to contact Allison Small, Early College Program coordinator, 207.581.8004; [allison.small@maine.edu](mailto:allison.small@maine.edu) for more information.

#### **Security reminders regarding phishing**

**31 Jul 2019**

Phishing emails attempting to deceive individuals are an ongoing problem, on and off campus. University of Maine and University of Maine at Machias students, faculty and staff are reminded to be vigilant about carefully checking links and file attachments, and about protecting passwords. In 2018, the top two phishing schemes directed at members of the UMaine community involved gift card scams and requests for payment based on alleged observing of inappropriateness. We continue to see a large number of emails that spoof university officials or attempt to extort recipients. These forged emails request payment, via PayPal, gift cards, bitcoin or other means, outside of university-sanctioned methods (i.e., TouchNet). To report incidents of phishing or suspicious emails in the UMaine and UMM communities, email the University of Maine System Information Security team, [phish@maine.edu](mailto:phish@maine.edu). UMS Information Security Team has [advice](#) for how to protect your accounts and data.

#### **Riordan speaks with News Center Maine about state's bicentennial**

**31 Jul 2019**

[News Center Maine](#) interviewed Liam Riordan, a professor of history at the University of Maine, for the report, "Maine bicentennial celebrates rich, complex path to statehood." Events were held July 30 to mark the official start of the 200th anniversary of Maine becoming a state, according to the report. Riordan said there were several issues that had to be settled to finally convince Mainers to leave Massachusetts. "There were three things I would say changed the momentum: The War of 1812, the federal coasting law, and the other crucial thing is the changing balance of partisan politics in Massachusetts and the District of Maine," he said. The path was finally cleared for the statehood vote on July 19, 1819, according to Riordan. "It takes six different votes from the early 1790s until July of 1819 before there's a clear majority of voters in Maine who are indicating that they would like to separate from Massachusetts and become an independent state," he said. It would be another eight months before Maine was admitted to the union on March 15, 2020. Maine's bicentennial celebration will unfold over the coming year, the report states.

#### **Doctoral student receives funding to attend special education conference**

**31 Jul 2019**

Karen Robbie, a doctoral student in prevention and intervention studies, was one of 12 Ph.D. students nationwide to receive funding to attend the Council for Exceptional Children's 2019 Special Education Legislative Summit. The conference, held in Washington, D.C. in July, covered legislative policy and advocacy for special educators. Attendees also had opportunities to visit with lawmakers and their staffs. Robbie met with Sen. Susan Collins and staff for Sen. Angus King and Rep. Jared Golden. Robbie applied for funding to attend the summit through the CEC's Teacher Education Division, and was selected after a competitive review of applications. UMaine special education faculty members Sarah Howorth and Deborah Rooks-Ellis also attended the conference.

#### **For plants, McDonough MacKenzie pens love letter, launches website**

**31 Jul 2019**

Caitlin McDonough MacKenzie called her grandmother each spring during her childhood when the rhododendrons bloomed in her hometown in Massachusetts. To celebrate, they'd go on a wildflower picnic in Moore State Park. McDonough MacKenzie still thoroughly enjoys "botanizing." And the [David H. Smith Conservation Research Postdoctoral Fellow](#) at the University of Maine [Climate Change Institute](#) also likes learning how plants have impacted the lives of others. So on [Valentine's Day 2018](#), Rebecca Barak, McDonough MacKenzie and seven other David H. Smith Conservation Research Fellows — Sara Kuebbing, Molly Bletz, Joan Dudney, Bonnie M. McGill, Mallika A. Nocco, Talia Young and Rebecca K. Tonietto — launched the website [Plant Love Stories](#). These conservationist biologists "who work and play in forests and prairies, oceans and lakes, mountains and caves, farms and cities, streams and rivers, deserts and wetlands and all the places in between" invited others to share their plant experiences on the site. The Fellows used some of the submitted descriptions below in a portion of in their [letter to the editor](#) that appeared in a special issue of "Plants, People, Planet": "An appreciation of plants is not just about *seeing* plants, it can encompass all of our senses and emotions.

Our collection of stories are also about *smelling* plants like milkweeds, prairie dropseed, and allergy trees; *hearing* plants that have funny voices...; *tasting* fruits like tomatoes, mangoes, and lemons and leaves like garlic mustard; *feeling* the texture of plants by rubbing dandelions under our chins or scraping our legs as we wade through *Juncus* marshes.” McDonough MacKenzie says the Fellows were inspired to write the letter because while they love the creative science communication and community engagement that the “Plants, People, Planet” journal highlights, they bristled at the special issue’s title — “Standing in the shadows of plants: new perspectives on plant blindness.” The Fellows titled their letter: “We do not want to ‘cure plant blindness’ we want to grow plant love.” Plant blindness is a disability metaphor and “positions ‘blindness’ as a deficit that must be cured and negates the possibility that blind people can lead lives that are full of rich sensory flora experiences,” they wrote. People’s relationships with plants “can be a vehicle for discovering deep personal insights, forming lifelong relationships with other humans, getting through serious illness, and remembering those we have lost,” wrote the Fellows, who seek to link conservation science and application. “By nurturing a broader social discussion and awareness of the value of plants to human and ecosystem health, we strive to increase public interest in plant conservation.” Part of [McDonough MacKenzie](#)’s recent research including hiking trails in Acadia National Park 125 times in four years to identify plants vulnerable to climate change. She’s published research about the [dramatic loss](#) of native plants on Mount Desert Island. Contact: Beth Staples, 207.581.3777

## **Newsom awarded AAUW American Fellowship**

**31 Jul 2019**

Archaeological research focused on the World War II German prisoner of war (POW) camp that was located on Passamaquoddy land in eastern Maine has been recognized with a 2019–20 American Fellowship from the American Association of University Women (AAUW). The fellowship provides a \$6,000 grant to support the work of UMaine assistant professor of anthropology Bonnie Newsom with Passamaquoddy Tribal Historic Preservation Officer Donald Soctomah, leading to the publication of the results of their archaeological study of the former site of the POW camp — one of seven established in Maine. In 2013, Newsom collaborated with Soctomah and supervised an archaeological study of the site as part of a U.S. Department of Defense munitions clean-up effort. Newsom will use the technical report from that study as the basis for a broader manuscript focused on the history of the POW camp in Passamaquoddy homeland, including results of the site excavations. The current community-based research expands on the social aspects of a World War II POW camp on Passamaquoddy land. Ultimately, the publication will shed light on an undocumented aspect of Maine and tribal history, and offer a Native American perspective on the German POW camps in the state. The project also highlights a model for building tribal capacity through archaeological skills development and training in the Passamaquoddy community, Newsom says. UMaine has a strong reputation in Northeast archaeology, with emphasis on indigenous archaeologies, shell midden preservation and community engagement, she notes. “I am honored to be a recipient of this award and I’m thrilled to have an opportunity to work with the Passamaquoddy Tribal Historic Preservation Office on this publication,” says Newsom. “It will help ensure that the archaeology of the World War II POW camp at Indian Township, Maine becomes accessible to the public and integrates a Passamaquoddy perspective.” AAUW is one of the world’s leading supporters of graduate women’s education. In the past 130 years, it has provided more than \$115 million in fellowships, grants and awards to 13,000 women from more than 145 countries. For the 2019–20 academic year, AAUW is awarding a total of \$4 million through seven fellowships and grants programs to 259 scholars, research projects and programs promoting education and equity for women and girls. [American Fellowships](#), AAUW’s largest funding program, began 1888, making them one of the world’s oldest and most prestigious fellowship programs exclusively for women. These fellowships support women scholars who are completing doctoral dissertations, conducting postdoctoral research or finishing research for publication. Contact: Margaret Nagle, 207.581.3745

## **WABI covers football team’s move-in day**

**01 Aug 2019**

[WABI](#) (Channel 5) reported on move-in day for members of the University of Maine football team. The team starts practice Aug. 1 and will host a “Meet the Bears” clinic and family movie night Aug. 21, according to the report. “It’s exciting, and knowing that our guys are excited and hungry, it’s cool. And it’s good to see the new faces, too,” said Nick Charlton, head football coach. “I’m happy to be in the position I am. I think I have gotten acclimated to it and gotten used to the role. Now we get to do a little more football.”

## **Blomberg quoted in KJ article on white-nose syndrome in bats**

**01 Aug 2019**

The [Kennebec Journal](#) quoted Erik Blomberg, an assistant professor of wildlife population ecology at the University of Maine, in the article, “White-nose syndrome has affected up to 97 percent of Maine’s bat population.” According to a biologist with the Maine Department of Inland Fisheries and Wildlife, the white-nose fungus can spread while bats hibernate, when they travel from cave to cave and even when people visit caves, by tracking the fungus to other places on shoes and clothes. The biologist estimated the bat population has declined by 97 percent in Maine. “There’s a long, sad list of species that have been affected or damaged” like this, Blomberg said. “But this is pretty unprecedented.” The [Portland Press Herald](#) and [The Times Record](#) also carried the article.

## **'The Magus of Strovolos' now in French**

**02 Aug 2019**

"The Magus of Strovolos" by University of Maine professor of sociology Kyriacos Markides has been published in French by Éditions Le Dauphin Blanc, Quebec City.

## **Professor Emeritus Steven Cohn passes away**

**02 Aug 2019**

Steven Cohn, professor emeritus of sociology at the University of Maine, died July 29 from complications of Parkinson’s disease. He was 79. He joined the UMaine community in 1971 and taught until 2014. A tribute to his life and legacy is on the Department of Sociology [website](#).

## **Maine Business School now a Certiport-authorized testing center**

**02 Aug 2019**

The Maine Business School is now an authorized testing center of Certiport, a leading provider of certification exam prep and delivery in widely used programs, including Microsoft Office, Adobe, Autodesk and Intuit QuickBooks. “According to members of the MBS Advisory Board, certification in Excel and other programs is an essential part of a career today,” says Faye Gilbert, dean of the Undergraduate School of Business. “I am excited to see our faculty leading this initiative.” For assistant professor of management information systems C. Matt Graham, who spearheaded the efforts to bring Certiport to the Maine Business School, Microsoft Excel certification alone adds value to the curriculum. “Excel really is a must-have skill for business students,” Graham says. “This certification will enhance our students’ resumes and make them more valuable to employers seeking employees that are trained in managing information and making sense of large amounts of data.” But it’s not just students who can benefit from the certification exams now available in Orono. Any professional seeking to complete a certification in one of Certiport’s programs can schedule an exam in the D.P. Corbett Business Building on campus. Certiport is a company of Pearson VUE, which delivers more than 3 million exams annually through its network of over 14,000 testing centers worldwide. “In addition to the benefits for our students, Certiport certifications and digital badges will also have a significant impact on workforce development throughout Maine,” says Michael Weber, dean of the Graduate School of Business. “These certifications will help to build a skilled workforce that meets the needs of local employers, and MBS is proud to provide this opportunity.” More information on Certiport exam offerings is [online](#). To learn more about scheduling an exam at the Maine Business School, call the MBS Undergraduate Programs Office, 581.1968.

## **Law enforcement training exercises on campus Aug. 6**

**02 Aug 2019**

From 9 a.m. to 4 p.m. Tuesday, Aug. 6, several law enforcement drug detection K-9 teams will participate in training exercises outside on the south end of the Facilities Management complex and in Coburn Hall. For more information, contact Lt. Robert Norman, UMaine Police Department, 581.4040; [norman@maine.edu](mailto:norman@maine.edu).

## **Latest Maine Policy Review now available, Penobscot Times reports**

**02 Aug 2019**

The [Penobscot Times](#) reported the spring 2019 issue of Maine Policy Review, published by the Margaret Chase Smith Policy Center at the University of Maine, is now available [online](#). In the issue’s Margaret Chase Smith Essay, transplanted Mainer and college student Matthew Bourque reflects on the strength and character of Maine’s political tradition, according to the article. The issue also includes commentaries on independent political parties; the status of bonds in the 2018 election; a response to a commentary on universal basic income from the fall 2019 issue of MPR; and articles on artificial intelligence and Maine’s workforce, 21st-century language education at UMaine, Maine woods tourism, health status among Maine’s low-income childless adults, recess and physical

education weather policies, and circular food systems.

#### Media cover first day of football practice

02 Aug 2019

[Portland Press Herald](#), [News Center Maine](#) and [WABI](#) (Channel 5) reported on the first day of practice for the University of Maine football team's 2019 season. The team is looking to build off of last year's historic run with new head coach, Nick Charlton, News Center Maine reported. In the 2018 season, the team earned a 10–4 record, Colonial Athletic Association championship and Football Championship Subdivision semifinal appearance, the Press Herald reported. Senior cornerback Manny Patterson told the Press Herald the team's success is the result of all the work they've done — and must continue to put in. "You've got to act like every practice is a game," he said. "All these expectations people have for you, you've got to achieve them in practice first."

#### Runge quoted in E&E News article on endangered species, mass extinction

02 Aug 2019

[E&E News](#) spoke with Jeffrey Runge, a research professor in the School of Marine Sciences at the University of Maine, for the article, "Trump set to weaken wildlife rules during 'mass extinction.'" As many as 1 million species of plants and animals are in danger of extermination in the coming decades, according to a U.N. panel of scientists. The Trump administration is scaling back the Endangered Species Act, which could make it harder to protect wildlife at a time when scientists say the threats against it are growing, according to the article. In Maine, researchers are racing to understand how a warming ocean will affect the remaining 400 North Atlantic right whales, which depend on plankton that's sensitive to changes in ocean currents and temperatures, the article states. Warmer, saltier water is driving away the whales' food. Scientists understand the process, but they're still trying to predict how the whales would react to ongoing changes, Runge said. "[These whales] are sentinels; they're indicators. They're telling us that the Gulf of Maine ecosystem is changing," he added. According to Runge, the driving force is the CO2 increase. "It's very alarming," he said. "My efforts are more and more to see what I can do to just point out that it's immediate — we need to do something about CO2 levels rising."

#### Jackson speaks with BDN about what qualifies as a farm

02 Aug 2019

Tori Jackson, a professor of agriculture and natural resources with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for an article about the specific criteria that determine what qualifies as a farm. The U.S. Department of Agriculture and the Internal Revenue Service both have their own definitions of a farm and some state entities, such as universities, may also have their own, the article states. Jackson works with farmers around the state and she defines a farm as land that produces food or fiber for sale or consumption off the farm. "Homesteads are different from farms," she said. "On a homestead, the food or fiber is grown only for the people living on that land." When people think of a farm, Jackson said, they usually put it into one of two broad categories — the small family farm or the larger corporate factory farm. "There are very few small farms still owned by a single family in this country," Jackson said. "It used to be such a traditional way of life." Jackson said in Maine, however, smaller farms are on the rise with more young people becoming involved in agriculture. "With so many new and young farmers in Maine, it's an exciting time for agriculture in the state," Jackson said.

#### Ten ice hockey players named All-American Scholars

05 Aug 2019

Six [female](#) and four [male](#) University of Maine ice hockey players are American Hockey Coaches Association All-American Scholars. Ali Beltz, Jillian Flynn, Carly Jackson, Ally Johnson, Lydia Murray and Anna Zikova earned the honor, as did Sam Becker,



Mitchell Fossier, Rob McGovern and Keith Muehlbauer. To qualify, the student-athletes earned a 3.6 grade-point average or higher each semester in the academic year, and played in at least 40 percent of the squad's games. "We are extremely proud of this group of student-athletes who have competed at the highest levels of the game on the ice and matched that performance in the classroom," said AHCA executive director Joe Bertagna. "The sport demands a great deal from these athletes so it is a great statement they make, individually and collectively, with their ability to attain this level of academic achievement." For more news about UMaine Athletics, visit [GoBlackBears.com](#)

#### Teams gathering unwanted crops for Maine Harvest for Hunger

05 Aug 2019

Since 2000, the University of Maine Cooperative Extension Maine Harvest for Hunger program has donated nearly 3 million pounds of produce to help address food insecurity in the state. In addition to donations from home and community gardeners, farmers and UMaine Extension Master Gardener Volunteers, contributions come from field-gleaning teams statewide to aid hunger relief organizations, including more than 200 Maine food pantries. Gleaning is the act of gathering unwanted crops from farmers' fields. UMaine Extension helps connect farmers, volunteers and food pantries in this effort. Should excess produce be available, one farm may have an on-call UMaine Extension Master Gardener Volunteers gleaning team, while another farm may tap volunteers for planned gleaning efforts. To learn more about UMaine Extension's Maine Harvest for Hunger program and to find locations of gleaning events across the state, contact Frank Wertheim, [frank.wertheim@maine.edu](mailto:frank.wertheim@maine.edu); 207.324.2814.

#### Morning Ag Clips previews UMaine Extension bee school in Springvale

05 Aug 2019

[Morning Ag Clips](#) previewed a five-week beginner beekeeping school to be hosted by University of Maine Cooperative Extension and the Maine State Beekeepers Association, beginning Sept. 26. Sessions will be held 6–8:30 p.m. through Oct. 24 at the Springvale Public Library. Cost is \$95 per person, \$140 for two people who share materials, and includes a one-year membership to the York County Beekeepers' Association, the article states. [Online](#) registration is required by Sept. 16. For more information or to request a



reasonable accommodation, call 207.324.2814, or 800.287.1535 (in Maine); or email [elizabeth.clock@maine.edu](mailto:elizabeth.clock@maine.edu). More information also is [online](#).

## **UMaine Extension Master Gardener Program mentioned in BDN article on prison initiative**

**05 Aug 2019**

A [Bangor Daily News](#) article about a gardening initiative at the Maine State Prison in Warren mentioned the University of Maine Cooperative Extension's Master Gardener Program. The prison gardening program is in its third season and is run entirely by inmates, encompassing about 2.5 acres of the grounds to grow vegetables to feed the prison population, corrections officers and the community, according to the article. "It allows them (the inmates) to help feed themselves and also allows them to learn a skill. It makes great sense," said Randall Liberty, Maine Department of Corrections Commissioner, certified UMaine Extension Master Gardener and founder of the prison's gardening program. The prison began offering a course to certify inmates as master gardeners through a partnership with the UMaine Extension Master Gardener Program, which teaches the fundamentals of horticulture, including how to compost, fix soil deficiencies, and make the most of a short growing season, the BDN reported. Inmates can choose to participate in the gardening program after receiving certification through the course. Last year, inmates in the Maine Department of Correction harvested about 250,000 pounds of produce. Next year, Liberty hopes to expand the reach of the program and make it 500,000 pounds, increasing the amount of surplus given to local food banks or food pantries. "I hope a significant part of that will be used to combat food insecurity in the state of Maine," Liberty said. "No Mainer should go hungry, we have the resources. I think it's our duty to work and combat that."

## **Eos speaks with Saros about new research on Greenland, warming trends**

**05 Aug 2019**

[Eos](#) spoke with Jasmine Saros, a professor and associate director of the Climate Change Institute at the University of Maine, for an article on her new research that found Greenland is highly sensitive to recent warming trends. Ecosystems in this most rapidly warming part of the world are more sensitive to sudden climate shifts than expected — two recent abrupt temperature increases in West Greenland led to increased ice sheet melt, intense dust storms, and earlier spring plant growth and lake thaw, according to the new study led by Saros, Eos reported. "We're seeing environmental responses much more quickly than we might have expected. What it means is that the system is very sensitive to climate. It responds quickly when the temperatures go up," said Saros. "Prior work has suggested that there are often lags in environmental response. But not in our study." Arctic systems may be especially sensitive to rapid climate shifts because of their shorter growing season and simpler food web, according to Saros. "These systems are responding even more rapidly to climate change than we had imagined. We often talk about 'climate is going to do this and going to do that.' And it's already doing it," she said.

## **WABI, BDN quote Dagher in reports on new bridge technology for Brewer business**

**05 Aug 2019**

[WABI](#) (Channel 5) and the [Bangor Daily News](#) quoted Habib Dagher, founding executive director of the Advanced Structures and Composites Center at the University of Maine, in reports on new technology the center helped develop for a composite bridge business in Brewer. AIT Bridges and the UMaine Composites Center are launching a composite tub girder, which will be a "game changer" for bridge construction in Maine, according to WABI. "We call it the 72-hour bridge," said Dagher. "The idea here is to build bridges a lot faster than we do today, a lot less expensive than we do today, and that would last quite a bit longer." The technology will provide MaineDOT and others around the country with more options for bridge construction, the reports state. "If we can build bridges that last longer and take a lot less time to make and so forth, and create jobs in Maine at the same time, that's a win for everybody," Dagher said. "It's a whole ecosystem that starts at UMaine, innovates and takes it to the real world. That's really what's exciting about all this," Dagher told the BDN. [Mainebiz](#), [CompositesWorld](#) and [The Associated Press](#) also reported on the technology collaboration. [The Washington Times](#), [News Center Maine](#) and [Portland Press Herald](#) carried the AP report.

## **Emergency response training on campus Aug. 14**

**14 Aug 2019**

On Aug. 14 several mobile command vehicles (large vans) will be parked in various lots on campus. The large vans are staffed by incident management assistance teams (IMAT) representing various state emergency response groups. These IMAT teams will be planning and rehearsing the procedures necessary for interoperable communications during an actual emergency. For more information, contact Lt. Robert Norman, UMaine Police Department, 581.4040; [norman@maine.edu](mailto:norman@maine.edu).

## **Hecker named senior advisor, Gilbert interim executive vice president for academic affairs and provost**

**06 Aug 2019**

University of Maine executive vice president for academic affairs and provost Jeffrey Hecker has been named senior advisor to President Joan Ferrini-Mundy, effective Sept. 1. As senior advisor, Hecker will assist the university in key strategic areas, including UMaine's budget development and implementation process. In the 2018–19 academic year, President Ferrini-Mundy and Provost Hecker led a process to identify the strategic vision and values that will guide UMaine, including its regional campus — the University of Maine at Machias — over the next several years. Strategic plan implementation emanating from this work will roll out in fall 2019. Hecker was named UMaine vice president and provost Sept. 1, 2013. Prior to leading the Division of Academic Affairs, he served as dean of the College of Liberal Arts and Sciences, and as chair of the Department of Psychology. Hecker received his Ph.D. in clinical psychology from UMaine in 1986 and joined the faculty that year as director of the Psychological Services Center. "I am pleased that Jeff has agreed to serve in this important new role," says Ferrini-Mundy. "I have deep respect for Jeff's leadership and vision, and for the difference he has made in higher education in Maine and beyond. His contributions and commitment to UMaine are exemplary, and I look forward to collaborating with him in his new capacity." Faye Gilbert, dean of the Undergraduate School of Business in the Maine Business School, will serve as interim executive vice president for academic affairs and provost while a national search is conducted. Gilbert, who joined the UMaine community March 1, will continue to serve as dean during her interim appointment. Before joining UMaine, Gilbert had been dean of the College of Business and Economic Development and a professor of marketing at the University of Southern Mississippi since 2013. She also served as business dean at Radford University and at Georgia College. At the University of Mississippi from 1989–2003, her academic career included promotion to full professor and service as associate dean of the MBA program. She holds a Ph.D. in marketing with an emphasis in applied statistics from the University of North Texas, and an MBA from the University of Southern Mississippi. Contact: Margaret Nagle, 207.581.3745

## **UMaine in Princeton Review's 'The Best 385 Colleges'**

**06 Aug 2019**

The Princeton Review's 2020 edition of its annual college guide again cites UMaine as among the best 385 colleges nationwide. The colleges and universities profiled in this year's "[The Best 385 Colleges](#)" represent nearly 13 percent of America's 3,000 four-year colleges, according to Princeton Review. The company chooses the colleges for the book based on data it annually collects from administrators at hundreds of colleges about their institutions' academic offerings. Princeton Review also considers data it gathers from its surveys of undergraduates, who rate and report on various aspects of their campus and community experiences. In the Princeton Review "Students Say" section on the University of Maine, it is noted that business, engineering, marine sciences, forestry, animal sciences, music and education majors rave about their academic areas. They also note that with nearly 100 majors, minors and degree programs, "the class choices are amazing." Student respondents to the Princeton Review survey noted that "UMaine provides one of the most affordable university educations" with "great scholarships." They also note that while courses are challenging, there are plenty of resources, including professors and peers, to ensure student success. Students told Princeton Review that UMaine professors are passionate and helpful, and bring real-world experience into the classroom. Faculty encourage students to be involved in research, and provide connections to opportunities on and off campus. UMaine is known for community engagement, and that extends to hands-on learning opportunities for students. UMaine's community life is enhanced by both Division I athletics events and intramural competition. Students also told Princeton Review that UMaine's location makes it "such a unique place," with seasonal recreational opportunities, and coastal and mountain destinations within easy driving distances. And plenty to do on campus. "Campus is filled with very welcoming people," one student told Princeton Review. Others described the diverse, caring and accepting community in which they live and learn. "There is a unique sense of Maine here, and we are quite united under the Black Bear banner," one student wrote. Princeton Review's news release about its 28th edition, "The Best 385 Colleges," is [online](#). This is UMaine's second national college and university ranking this summer. Last month, the University of Maine was cited among the more than 300 of "the country's best and most interesting colleges and universities" by the "Fiske Guide to Colleges 2020." Contact: Margaret Nagle, 207.581.3745

## **Aquaculture challenges, opportunities topics of Aug. 9 seminar**

**06 Aug 2019**

Damian Brady and Chris Davis will present "Aquaculture in Maine: Challenges and Opportunities for Sustainable Seafood Production" at 10:30 a.m. Aug. 9 in Brooke Hall at the University of Maine Darling Marine Center in Walpole. The two will discuss using buoys that monitor water quality to find prospective sustainable aquaculture sites in Maine. Brady is an assistant professor in UMaine's School of Marine Sciences. His research focuses on the connection between water quality, living resources, and habitat function. Davis directs the Maine Aquaculture Innovation Center and co-owns Pemaquid Oyster Company. His work centers on new aquaculture species development, selective breeding of bivalves, and developing improved husbandry methods. This event is part of the DMC's science seminar series. The free, public talks, held Fridays through Aug. 16, feature SMS faculty, students and alumni. Presentations provide opportunities to discuss marine research that advances understanding of marine ecosystems and human communities

that are part of them. Visit [dmc.umaine.edu](http://dmc.umaine.edu) for a list of featured speakers and topics. For more information or to request a reasonable accommodation, call 207.563.8135.

#### Learn about hydrology, bats, ticks on Orono Bog Boardwalk

06 Aug 2019

A series of nature walks will be offered at the Orono Bog Boardwalk beginning Aug. 10. All walks will begin at the start of the boardwalk, and participants are asked to meet at the cabin. To register, email [james.bird@maine.edu](mailto:james.bird@maine.edu) with "Boardwalk Walk" in the subject line, and provide a telephone number in case of a weather cancellation. "Hydrology of Bogs and Fens — Where does the water go?" will be offered at 9 a.m. Aug. 10, led by Andy Reeve, professor in the School of Earth and Climate Sciences at the University of Maine. Water is continuously percolating beneath the boardwalk. This slow and steady movement of water influences the development of peatlands (bogs and fens) and affects the living ecosystem. Reeve will discuss how groundwater movement is evaluated, the reasons for peat accumulation, and recent hydrology research at Orono Bog related to the linkage between peatlands and greenhouse gases. "Bat Walk" will be offered at 7:30 p.m. Aug. 21 (rain date Aug. 22), led by Erik Blomberg, assistant professor in the Department of Wildlife, Fisheries, and Conservation Biology at UMaine. Maine is home to eight different species of bats, many of which are of high conservation concern because of huge population declines related to white-nose syndrome, a fungal disease that has decimated populations of cave-hibernating bats throughout the United States. During this walk in Bangor City Forest, specialized recording equipment (bat detectors) will be used to detect and record echolocation calls so participants can identify which species are present. "Tick and Mosquito Walk" will be offered at 9 a.m. Aug. 31, led by Allie Gardner, assistant professor of arthropod vector biology in the School of Biology and Ecology at UMaine. This walk will cover mosquitoes and ticks that transmit infectious diseases to humans, companion animals and wildlife in Maine, as well as some beneficial mosquito species. There will be a discussion about ongoing vector-borne disease research in Maine and participants will look for mosquitoes.

#### High schools to participate in UMaine Early College Academ-e program, Republican Journal reports

06 Aug 2019

The [Republican Journal](#) reported three Maine high schools will participate in a yearlong, tuition-free pre-calculus course as part of the University of Maine's Early College Academ-e high school pilot program. Students at Searsport District High School, Dirigo High School in Dixfield and Massabesic High School in Waterboro will be able to take the course, which will be taught online by UMaine assistant professor of mathematics education Timothy Boester, and supported by teachers in the high school. Upon completion, students will receive high school credit and four college credits, the article states. UMaine expects to increase the number of participating schools in the 2020–21 academic year, according to the Republican Journal. Registration is [online](#). For more information or to enroll in the course, contact Allison Small, 207.581.8004; [um.earlycollege@umaine.edu](mailto:um.earlycollege@umaine.edu).

#### VillageSoup advances bicentennial talk by Riordan at Thomaston museum

06 Aug 2019

[VillageSoup](#) reported Liam Riordan, a professor of history at the University of Maine, will give a talk about Maine's bicentennial at 6 p.m. Aug. 10 in the Oval Room of the General Henry Knox Museum in Thomaston. A reception will follow. The talk, titled "Brainstorming the Bicentennial: Past and Present Perspectives on Maine at 200," is free, and donations are accepted. All proceeds support and benefit the museum and its educational programs, the article states. For more information or to reserve a seat, call 207.354.8062.

#### Media report UMaine a partner in Navy-funded boat hull building project

06 Aug 2019

The [Bangor Daily News](#), [Portland Press Herald](#), [Maine Public](#), [Mainebiz](#) and the [Republican Journal](#) reported the University of Maine is a partner in a boat hull building project led by the Portland, Maine location of Honolulu, Hawaii-based company Navatek and funded by an \$8 million U.S. Navy's Office of Naval Research contract. The goal of the project is to design safer hulls and hybrid-electric propulsion systems for planing craft, a type of small, speedy boat. UMaine's Advanced Structures and Composites Center will design new materials for prototypes for the boat hulls, and will use the university's 3D printer — the largest in the world — to print boat molds. Twelve of the Navatek's employees are UMaine mechanical engineering graduates, and the company is looking to continue this trend as well as hire UMaine electrical engineering graduates, the Press Herald reported. [The Times Record](#) carried the Press Herald article.

#### Three UMaine undergraduates chosen as ENACT Labor Network Policy Fellows

07 Aug 2019

This academic year, three University of Maine students will be learning about state policy through direct engagement with the policymaking process as part of an innovative new fellowship supported by the [Educational Network for Active Civic Transformation \(ENACT\)](#) at Brandeis University. Political science majors Kevin Fitzpatrick of Damariscotta and Harley Rogers of Lincoln, and Elijah Munro-Ludders of Bath, a triple major in political science, philosophy and sociology, join a select group of students in three states



Kevin Fitzpatrick



Elijah Munro-Ludders



Harley Rogers

chosen to participate in this new national pilot program.

Since 2016, ENACT has supported efforts to educate undergraduates about policymaking through direct engagement in the policy process: researching bills, traveling to state capitals to meet with lawmakers and policy advocates, and providing research-based insights about proposed legislation. Undergraduates at 29 colleges and universities nationwide are engaged in hands-on work involving state-level legislation through ENACT, with the goal of expanding the network to all 50 states. The newly created ENACT Labor Network is an extension and deepening of this work that will create a corps of faculty members and students focused specifically on labor legislation in participating states on a year-round basis. In addition to the resources provided by ENACT to support this effort, the University of Maine Honors College and Department of Political Science will be providing support to fund student travel, research stipends, and funds to participate in conferences and workshops. Over the course of the year, the ENACT Labor Network will also be engaging with lawmakers, officials in state agencies, and labor policy research and advocacy organizations at both the state and national level. Undergraduate policy fellows from Maine will also connect with fellows in other states across the country to share their insights about state policymaking and to compare the very different political cultures of their respective states. UMaine's three new fellows were chosen out of a large and extremely talented pool of applicants and all offered compelling reasons for why they want to be involved: desires to one day serve the public as lawmakers, watching family members struggling to navigate complex bureaucracies to access unemployment benefits, or a desire to see Maine grow its workforce and attract more workers to the state to reverse demographic decline. "Labor policy is important to me because it affects almost all areas of life," Fitzpatrick says. "We all have to work, so labor policy is bound to affect everyone at some point in their lives." Rogers, who one day hopes to serve as a Maine state legislator, says she is eager to participate in the law-making process and "will hopefully be witness to some significant labor bills becoming law." The students will be working with Rob Glover, an associate professor of political science and honors, who has been part of ENACT since its inception. Glover has employed the ENACT

model of hands-on engagement in his popular state politics course, POS 362-Maine Government. Glover has received numerous awards for his efforts to fuse community engagement with undergraduate teaching including the 2018 College of Liberal Arts and Sciences Outstanding Faculty Award for Teaching and the 2014 Donald Harward Award for Service Learning Excellence from Maine Campus Compact. Contact: Margaret Nagle, 207.581.3745

#### **Join President Ferrini-Mundy for pancake breakfast Aug. 14**

**07 Aug 2019**

President Joan Ferrini-Mundy will host a free Maine wild blueberry pancake breakfast for the University of Maine community 8–9 a.m. Aug. 14 on the Mall. In case of rain, the breakfast will be held in Wells Conference Center.

#### **The Maine Edge publishes UMaine release on McDonough MacKenzie’s plant love letter, website**

**07 Aug 2019**

[The Maine Edge](#) published a University of Maine news release about Caitlin McDonough MacKenzie’s new website, Plant Love Stories. McDonough MacKenzie and seven other David H. Smith Conservation Research Fellows at UMaine’s Climate Change Institute — Sara Kuebbing, Molly Bletz, Joan Dudney, Bonnie M. McGill, Mallika A. Nocco, Talia Young and Rebecca K. Tonietto — launched the site on Valentine’s Day 2018, the article states. The group invites people to share stories of their plant experiences on the site to contribute to a multifaceted understanding of the ways people can appreciate and relate to plants. “By nurturing a broader social discussion and awareness of the value of plants to human and ecosystem health, we strive to increase public interest in plant conservation,” wrote the fellows.

#### **Fiddlehead Focus, The County advance UMaine Extension livestock clinic in Presque Isle**

**07 Aug 2019**

[Fiddlehead Focus](#) and [The County](#) advanced a livestock clinic in Presque Isle hosted by the Central Aroostook Soil and Water Conservation District, University of Maine Cooperative Extension and National Resource Conservation Service. The clinic, designed for large-scale producers or small-farm hobbyists, will be held 8:30 a.m. to 4 p.m. Aug. 23 in the Olde MacDonald’s Farm pavilion at the Northern Maine Fairgrounds, according to the article. Classes offered by UMaine Extension staff include beef and dairy with Gary Anderson, animal and bioscience specialist; swine with Colt Knight, assistant professor and state livestock specialist; poultry with Linda Trickey, agricultural assistant; and small ruminants with Knight. The cost is \$25 and includes lunch; there are a limited number of scholarships available, according to the reports. For more information, contact Randy Martin, 207.760.4602; [centralaroostookswcd@gmail.com](mailto:centralaroostookswcd@gmail.com).

#### **WABI, WVII report men’s basketball team helps with Children’s Miracle Network event**

**07 Aug 2019**

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) covered the University of Maine men’s basketball team’s participation in a National Root Beer Float Day fundraiser at the Courtyard by Marriott hotel in Bangor to support the Northern Light Eastern Maine Medical Center’s Children’s Miracle Network Hospital. Marriott International is CNM’s longest-standing corporate partner, according to WVII. The Bangor event on Aug. 6 helped raise money for the local CNM hospital through the sale of root beer floats, with members of the basketball team, UMaine mascot Bananas the Bear, and children volunteering to help. “I think it’s a good cause, and the kids look excited, they look happy,” said Solomon Iluyomade, a member of the basketball team. “You see the kids, and get to help out,” said Andrew Fleming, another team member. “It’s a great event, and we’re glad to be here.”

#### **Spoilers aren’t all rotten, they can enhance thrills for some moviegoers**

**07 Aug 2019**

For Stephen King fans worrying they might hear people talking about “IT Chapter Two” before they see it, Judith Rosenbaum advises to keep in mind that spoilers aren’t necessarily a bad thing. People waiting for a scare they know is coming can make for an enjoyable moment, says the University of Maine assistant professor of media studies. A spoiler, as defined by Merriam-Webster, is information about the plot of a motion picture or TV show that can ruin a viewer’s sense of surprise or suspense. The horror film genre is particularly relevant to examine because part of the thrill of watching is tied to not anticipating certain violent events and not knowing who the next victim will be. In [“Spoilers Go Bump in the Night: Impacts of Minor and Major Reveals on Horror Film Enjoyment”](#) published in March 2019 in the “Journal of Psychology,” Rosenbaum, lead author Benjamin Johnson and co-authors Angel Udvardi and Allison Eden found that horror film spoilers seem to enhance the thrill of anticipation of being frightened for people who like intense emotions. Rosenbaum, who has co-authored four published studies about spoilers since 2015, started exploring the subject with Johnson because of Jonathan Leavitt and Nicholas Christenfeld’s 2011 research that found story spoilers positively impacted enjoyment. “We found those results so surprising that we had to replicate their study to see if we would find the same thing,” says Rosenbaum. “Once we completed our first study, we realized that there were so many other factors that played a role, that further studies were definitely warranted.” They’ve found varying, and sometimes conflicting, findings about spoiler effects. *When* a spoiler is introduced makes a difference. So, too, does whether it reveals the plot or the ending. The entertainment medium — book, TV program or movie — also plays a role. A movie’s genre matters, as well. Comedies are less enjoyable when spoiled, but the opposite applies to the fantasy thriller films. In [“Don’t Tell Me How It Ends: Spoilers, Enjoyment, and Involvement in Television and Film,”](#) published in 2018 in Media Psychology, Johnson and Rosenbaum found because movies are generally highly anticipated one-time experiences, spoilers are viewed as less desirable and more avoidable. Introducing a spoiler decreases people’s sense of having a choice, they say. As a whole, the study illustrates that spoilers for television and film appear to have small, qualified effects on audience responses to them. They advise “that future research is needed to shed light on when, why, and how telling someone how ‘it ends’ matters.” Additional research also could examine what accounts for misperceptions about the severity of spoilers, say Johnson and Rosenbaum. When it comes to the written word — Rosenbaum says, in general, readers find unspoiled short stories more fun, moving, suspenseful and enjoyable. In [“Spoiler Alert: Consequences of Narrative Spoilers for Dimensions of Enjoyment, Appreciation, and Transportation”](#) published in 2015 in “Communication Research,” Johnson and Rosenbaum write that “although spoilers may not always ‘spoil’ as much as one is intuitively led to believe, they can certainly harm the audience’s experience, or at least specific facets of their responses to the narrative.” Enjoyment is a complex idea, says Rosenbaum. While people tend to think of enjoyment as something fun or suspenseful, that’s just the hedonic aspect of enjoyment. “Enjoyment also has a more appreciative dimension, when it’s about a moving and thought-provoking experience,” she says. “In our 2015 piece, we found that spoilers impacted the dimensions of enjoyment differently. So one question to ask yourself is why you enjoy something. Is it for the fun or the suspense? Or because something is really moving?” In another 2015 study, [“Who’s Afraid of Spoilers? Need for Cognition, Need for Affect, and Narrative Selection and Enjoyment,”](#) published in “Psychology of Popular Media Culture,” Johnson and Rosenbaum say that people’s personality traits interact with spoilers to impact experience. People who frequently read fiction, for instance, like unspoiled more than spoiled stories. Readers with little motivation for cognitively complex tasks prefer spoiled stories, while those with a high need for emotion-inducing situations enjoy unspoiled stories more. When readers are very concerned about what will happen to a certain character, Rosenbaum says they’ll actively seek out spoilers as a way to protect themselves. So, in some cases, spoilers serve a positive function, she says. Rosenbaum recently submitted a fifth article on spoilers with Morgan Ellithorpe of Michigan State University and Sarah Brookes of the State University of New York Geneseo. And she’s currently collaborating with Johnson and Eden to examine what prompts people to actively seek out spoilers. Overall, she says the impact of spoilers is somewhat individualized. They don’t have a universally positive or negative impact on an audience’s experience. So, with regard to “IT Chapter Two,” most people don’t have to freak out if they’re accidentally exposed to spoilers. They can save freaking out for the movie. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

#### **Alexyss Limewood: Marine sciences student researches most efficient ways to grow oysters**

**07 Aug 2019**

Alexyss Limewood of Pleasant Point, Maine attributes her love of the ocean to growing up on the Maine coast and finding “fascinating things” on the beach. This, and watching “The Blue Planet,” made her realize she wants to learn more about the marine ecosystem. “The ocean has so much to be discovered and I would like to venture into that unknown,” says Limewood, who is a member of the Passamaquoddy Tribe. The senior marine sciences major with a concentration in marine biology is spending her summer in Ellsworth researching the effects of exposure on the growth of oysters. Limewood is investigating whether oysters can grow as efficiently in exposed conditions as in sheltered ones. She is measuring the growth rate of baby oysters, and environmental factors affecting them, as well as observing the impact of site exposure and hydrodynamics at four different sites. Each site has a different level of exposure, from completely exposed to intertidal. “The most interesting part to me, so far, is that there are many components that need to be considered to rear oysters, with one important factor being the design of the cages that have to be able to withstand the level of hydrodynamics,” says Limewood. “I hope to learn how to farm oysters as well as about the different factors that have to be considered to allow them to grow as efficiently as possible.” Limewood is working with Timothy Bowden, associate professor of aquaculture at Maine, and Anne Langston at Pemetic Sea Farms on the research, which will be part of her capstone project funded by the Maine Food and Agriculture Center. “I love UMaine because it offers something for everyone and has professors who are very knowledgeable in their subject of teaching,” she says. Outside the classroom, Limewood enjoys spending time with family and friends, going to concerts, exploring Maine’s coast and traveling. Contact: Cleo Barker, 207.581.3729

#### **Screening of student-led documentary slated for Aug. 15 at UMM**

**08 Aug 2019**

A free public screening of “When The Chevy Breaks (How Small Towns Solve Big Problems),” a student-led University of Maine at Machias Downeast Documentary, will be held at 6 p.m. Aug. 15 in the Performing Arts Center on campus. “When The Chevy Breaks (How Small Towns Fix Big Problems)” features stories of overcoming obstacles, big and small, ranging from Machias taking on the world’s most powerful navy (on a Sunday after church), to an amputee father waiting for his son to return from Afghanistan so they can hike Mount Katahdin together. The documentary, produced in a class led by UMM faculty member Alan Kryszak, is scheduled to air on Maine Public this fall. A previous documentary, “Whatever Works: Exploring Opiate Addiction,” won a 2018 Excellence Award in the international Docs Without Borders Film Festival.

#### **Maine AgrAbility mentioned in BDN article on essential skills for backyard farmers**

**08 Aug 2019**

The [Bangor Daily News](#) article “These 12 skills are essential for any backyard farmer” mentioned Maine AgrAbility, a nonprofit program funded by a USDA National Institute of Food and Agriculture grant and run by University of Maine Cooperative Extension and the National AgrAbility Project. The program works to make farming more accessible to people with physical disabilities or other mobility considerations, the article states. “Folks with limited mobility can still enjoy that agricultural lifestyle,” said Caleb Goossen, organic crop and conservation specialist at the Maine Organic Farmers and Gardeners Association. “It’s all about knowing how to use one’s body appropriately, like using your own leverage and bending with your knees so you’re not straining yourself. It’s always going to pay dividends in a lifetime of agricultural work.”

#### **Advertiser Democrat quotes Dill in report on ticks**

**08 Aug 2019**

The [Advertiser Democrat](#) quoted Griffin Dill, an integrated pest management professional and director of the Tick Lab with University of Maine Cooperative Extension, in the report “Ticked off: Tracking tick encounters and diseases.” Fifteen species of ticks have been identified in Maine, though not all are permanent residents — some, like the Gulf Coast tick, arrive on wildlife hosts and do not establish viable populations, according to Dill. The most common, and most problematic species in Maine are the deer tick (black-legged tick), American dog tick (wood tick) and woodchuck tick. Ticks can be sent to the UMaine lab for free identification. As of July 24, Dill said the lab had received 1,600 tick samples so far this year, consisting of about 62 percent deer ticks, 34 percent wood ticks and 2 percent woodchuck ticks. The lab also can perform DNA tests for \$15 per tick to determine whether or not it carries pathogens, according to the article. So far this year, “Roughly 40 percent tested positive for the pathogen that causes Lyme disease,” said Dill. “Anaplasmosis pathogens were found in about 8 percent of the samples and babesiosis in about 6 percent. Some samples are co-infected with two or more pathogens.” Results from this testing are available in about three business days, but Dill said if someone has been bitten by a tick they should not wait for results before seeing a doctor if they have concerns. “The testing of tick samples is intended to provide information on ticks in Maine,” he said. “It is not intended to be interpreted as a medical diagnosis.” The Tick Lab [website](#) has informational resources on tick species in Maine, tick submission instructions, tick removal guidelines, a tick photo gallery, and links to information on tick-borne diseases transmitted in Maine, the article states.

#### **Sorg identifies bones found at hospital construction site as non-human, BDN reports**

**08 Aug 2019**

The [Bangor Daily News](#) reported Marcella Sorg, state forensic anthropologist and a research professor with the Margaret Chase Smith Policy Center at the University of Maine, identified bones found last month at a hospital construction site as non-human. The bones were found at a construction site for Northern Light Eastern Maine Medical Center in Bangor by the hospital’s director of fire and employee safety on July 25, the article states. Sorg said the bones are those of animals that had been butchered for food, and are most likely cow and pig but have not been positively identified. “Usually we don’t ID species as long as we know it’s not human,” Sorg said, noting the bones would have to be compared to bones in the university zooarchaeology reference collection.

#### **MD Islander speaks with Gardner about link between ticks, Acadia fire of ‘47**

**08 Aug 2019**

[Mount Desert Islander](#) spoke with Allison Gardner, an assistant professor of arthropod vector biology at the University of Maine, about a study she’s leading that found ticks are more abundant in parts of Acadia National Park that burned in the October 1947 fire. “We’re trying to establish associations between where we see high densities of ticks and various environmental variables,” said Gardner. “We’re conducting this research because we want to be able to inform visitors about where they are most likely to get exposed to ticks in the park, which can potentially help them protect themselves.” Gardner said her research team also has been collaborating with National Park Service staff to inform landscape management strategies with the goal of protecting visitors against ticks. And she is not surprised by the discovery of more ticks in the previously burned areas. “We think the reason we’re seeing that pattern is that, since the fire, most of the vegetation in that area of the park is deciduous, and ticks generally seem to be more commonly found in hardwood forests than in softwood forests,” Gardner said, because mice and deer, the ticks’ primary host animals, are found more in those forests. Another factor could be that ticks are sensitive to humidity, and hardwood forests tend to have a thicker layer of leaf litter that ticks can use as shelter to prevent themselves from drying out, according to Gardner. “It’s really fascinating seeing that this disturbance that occurred more than 70 years ago is still having impacts that have potential implications for human health,” she told Mount Desert Islander. Sarah McBride, a UMaine graduate student, and a group of undergraduate students are in Acadia for the second summer in a row collecting ticks to test for disease-causing pathogens, according to the article. They have found about five times as many ticks this year as last year, which Gardner said is likely related to an unusually large number of small mammals in the park last summer and is not necessarily indicative of a larger trend. “So, the good news is that next year we might have lower tick densities because small animal populations go through natural cycles, and this year we are seeing relatively few small mammals,” said Gardner. “But there certainly has been a trend statewide and in Acadia of increasing abundance of black-legged ticks and cases of tick-borne illness over the past 20 years.” Sandra De Urioste-Stone, an assistant professor of nature-based tourism at UMaine, also is involved in the study, looking at how Acadia visitors are or are not protecting themselves from ticks. Gardner expects to have findings to share from the study in about six months, according to the article. The [Portland Press Herald](#) published the article.

#### **Medical Xpress publishes UMaine release on Rosenbaum’s spoilers research**

**09 Aug 2019**

[Medical Xpress](#) published a University of Maine news release about research on spoilers conducted by Judith Rosenbaum, an assistant professor of media studies at UMaine. Rosenbaum found that small spoilers actually increased people’s enjoyment of horror movies, contrary to expectations. She and other researchers found varying, and sometimes conflicting, findings about spoiler effects, based on factors like when a spoiler is introduced, whether it reveals the plot or the ending, and the entertainment medium, according to the release. And whether or not spoilers ruin or enhance someone’s enjoyment of a story is based on nuances of enjoyment itself. “Enjoyment also has a more appreciative dimension, when it’s about a moving and thought-provoking experience,” said Rosenbaum. “In our 2015 piece, we found that spoilers impacted the dimensions of enjoyment differently. So one question to ask yourself is why you enjoy something. Is it for the fun or the suspense? Or because something is really moving?” [NeuroscienceNews.com](#) also posted the release.

#### **McGreavey quoted in Maine Public report on clam fisheries**

**09 Aug 2019**

Bridie McGreavey, an assistant professor of environmental communication at the University of Maine, was quoted in the [Maine Public](#) report “After Last Year’s Poor Harvest, Mainers Work To Help Clam Fisheries Bounce Back.” Last year’s harvest of soft-shell clams was one of the worst in decades, due in part to closures of polluted flats and predation by invasive green crabs, the report states. But efforts to protect the fishery are emerging in coastal towns. “I think there’s a model there for collectively confronting the many types of challenges that we’re facing,” said McGreavey, who also is a fellow at UMaine’s George J. Mitchell Center for Sustainability Solutions. She’s a leader in a multi-town, multi-stakeholder shellfish resilience project, financed by the Broad Reach Fund and focused on better documenting and protecting clam and mussel populations in the state, that has awarded grants to 15 towns and 14 coastal municipalities, according to Maine Public. “Many of the issues that we’re currently facing and the multiple signs of decline in the clam fishery are linked to climate change. They are linked to other pressures as well, and poverty is one of those, lack of capacity in coastal towns is another,” said McGreavey, who called the fishery’s situation “dire.” Jessica Woodall and Cassandra Strauch, summer interns at UMaine’s Darling Marine Center in Walpole, are conducting both ecological and social science fieldwork — counting clams in the Damariscotta River Estuary and building a baseline population database, as well as interviewing local clammers for further knowledge, Maine Public reported. Kara Pellowe, who just defended her Ph.D. at UMaine, was the primary advisor for Woodall and Strauch, and served as lead scientist for the Damariscotta and Newcastle shellfish resilience project supported by the Broad Reach Fund. Additional support for the project came from the University of Maine System Research Reinvestment Fund, Maine EPSCoR and the National Science Foundation. “I have a lot of hope in looking at what people are doing here, and the rate at which they’re figuring out these tailored solutions to really complex issues,” said McGreavey.

#### **BDN speaks with Lilley for article on cover crops**

**09 Aug 2019**

The [Bangor Daily News](#) interviewed Jason Lilley, a sustainable agriculture professional with University of Maine Cooperative Extension, for an article on cover crops. Cover crops are sown between seasons after crops are harvested and fields are bare, helping



discourage weeds and maintain soil health during the off season, the article states. And building soil resilience through cover cropping also will help protect the land from extreme weather events, which are expected to become more frequent due to climate change, the BDN reported. “We are seeing increasingly extreme weather patterns,” said Lilley. “The roots working their way down through the soil and microbes feeding off of the sugars that are leaking off of the roots are acting as glue and helping to build up the crumbly structure of the soil.” Cover crops can help farmers and homesteaders cope with anomalously wet or dry conditions, the article states. “This spring, we had huge amounts of rainfall, and nobody could get into the field. Now, we’re approaching very dry conditions already. When you have better soil structure, you have better water infiltration so water doesn’t pool and run across the surface like it would on compacted soils. That soil can also hold on to moisture in drought conditions,” Lilley said. While cover crops are not sold for money, they still should be valued and cared for as much as any other crop. “It’s really important to have good fertility in the soil. These are still plants, so if they’re really limping along, the weeds are going to outcompete the cover crops and you’re not going to get any of that benefits,” said Lilley. “Maine producers who I have worked with are pretty excited about the use of cover crops in their systems. There’s been a lot of creativity in the last few years from the farmers as far as diversifying the types of cover crops that they are using to achieve different goals,” said Lilley. “A lot of people are concerned about taking time out of our short growing season to set fields aside for non-food production crops. What we’re really seeing is that we’re getting increases in the usability of fields, higher yields and less weed pressure. A lot of people are really seeing the benefit to setting some of the fields aside for a bit.”

#### **UMaine among recipients of federal grants to address opioid crisis, Press Herald reports**

**09 Aug 2019**

The [Portland Press Herald](#) reported the University of Maine is among the recipients of \$6 million in federal grants to battle the opioid crisis in Maine, as part of \$160 million in federal funding being distributed across the country. Community health clinics, hospital systems and UMaine will use the funding for treatment, prevention and to help boost the workforce, the article states. UMaine received a \$500,000 grant for workforce development to help make sure there are enough workers in the treatment industry, the Press Herald reported. [Kennebec Journal and Morning Sentinel](#) published the Press Herald article and [News Center Maine](#) also reported on the grants.

#### **Pollinator day in Falmouth advanced by Turner Publishing**

**12 Aug 2019**

[Turner Publishing](#) advanced the free, public pollinator day 2–4 p.m. Sept. 7, hosted by the University of Maine Cooperative Extension and Falmouth Land Trust at the University of Maine Gardens at Tidewater Farm, Farm Gate Road in Falmouth.

#### **UMaine cited in AP article about helping businesses be energy efficient**

**12 Aug 2019**

The University of Maine was mentioned in an [Associated Press](#) story about Maine’s U.S. Sens. Susan Collins and Angus King offering a proposal — Combined Heat and Power Support Act — to help businesses that want to invest in energy-efficient technology. Collins says the university has “already been a major asset to the forest products industry” in Maine, according to the report. The North Carolina TV station [WRAL](#) carried the AP report.

#### **Media report on tuition-free courses for high school students**

**12 Aug 2019**

[The Republican Journal](#) advanced the University of Maine is offering more than 120 tuition-free courses for high school students. Through a partnership between the Maine Department of Education and UMaine, tuition is waived for students of Maine public and home schools for as many as six college credits per semester/12 college credits per year. Those interested in learning more may contact Alison Small at 207.581.8004, [um.earlycollege@maine.edu](mailto:um.earlycollege@maine.edu). The [Portland Press Herald](#) and [Penobscot Bay Pilot](#) also posted the announcement.

#### **Penobscot Times posts media release about tone policing**

**12 Aug 2019**

[The Penobscot Times](#) posted a University of Maine media release about university researchers Catharine Biddle and Elizabeth Hufnagel exploring the role of tone policing and the calls for civility in student voice. In a high school setting, where teaching students to be active participants in civic life is an educational goal, Hufnagel and Biddle said tone policing and calls for civility may be teaching the wrong lesson. “It is worth considering deeply whether or not this type of civic education, which reifies civility as a desirable quality over providing youth with a critical understanding of the strategic power of choosing civility, is desirable.”

#### **Portland Press Herald shares Cooperative Extension cover crop advice**

**12 Aug 2019**

A [Portland Press Herald](#) gardening column shared Richard Brzozowski’s advice about planting oats as a cover crop. Brzozowski is the University of Maine Cooperative Extension’s food systems program administrator. Columnist Tom Atwell said Brzozowski recommends oats to enrich the soil, prevent erosion and inhibit weeds. Oats, says Brzozowski, will be killed off by the first hard frost and form a mat that will protect the soil during the winter.

#### **CentralMaine.com advances ‘When The Chevy Breaks’ screening at UMM**

**12 Aug 2019**

[CentralMaine.com](#) advanced the free, public screening of the University of Maine at Machias student film “When The Chevy Breaks” at 6 p.m. Aug. 15 at the University of Maine at Machias Performing Arts Center. Student filmmakers talked with Down East Mainers about a problem they’ve had to solve and/or how they approach problem-solving in general. An 80-minute film emerged from 90 hours of interviews. “A Lubec woman explains how the unexpected departure of the fishing town’s brining shed (it literally floated away to Canada) led to her publishing a book on the subject,” wrote Dennis Perkins. “‘When the Chevy Breaks’ posits that for Mainers, running from your problems isn’t an option.”

#### **CentralMaine.com lists UMaine as partner in statewide Alzheimer’s research**

**12 Aug 2019**

[Central Maine.com](#) listed the University of Maine as a partner in Northern Light Health’s statewide research trial to better understand Alzheimer’s disease, dementia and other cognitive diseases related to aging. The hospital system seeks patients from all over the state to participate in the trial — called the MAINAH. Maine is the oldest state in the nation, and about 10 percent of seniors age 65 and older will get Alzheimer’s, according to the Alzheimer’s Association. About 5.8 million Americans – and 28,000 Maine people – have Alzheimer’s, according to the article.

#### **BBC interviews Knowles about Welsh place names around the world**

**12 Aug 2019**

University of Maine McBride Professor of History Anne Knowles told the [BBC](#) that Welsh expertise with coal and iron was highly sought for a story about why Welsh place names are found around the world. “Welsh iron workers could demand a premium in wages,” she told the BBC. Welsh workers also introduced the idea of organized labor and class identity, which brought them into conflict with owners and managers, she said.

#### **Graduate students to showcase marine research Aug. 16 at DMC**

**12 Aug 2019**

Graduate students in the University of Maine School of Marine Sciences will showcase their research at 10:30 a.m. Friday, Aug. 16, in Brooke Hall at the Darling Marine Center. Students will give short presentations on coastal community resilience, nutrient cycling in Maine coastal waters, ecology of bottom-dwelling ocean species, and Maine's aquaculture industry. This free, public talk is the last of the DMC's 2019 summer science series featuring SMS faculty, students and alumni. The event provides opportunities to discuss research that advances understanding of marine ecosystems and human communities that are part of them. For a list of the students' topics, visit the DMC [website](#). For more information, or to request a reasonable accommodation, call 207.563.8135.

#### **Research examines coping strategies used by family members of violent children with severe mental illness**

**12 Aug 2019**

Research led by a University of Maine sociology professor explores how family members of children with severe mental illness and violent tendencies persevere through stressful situations. In a recently published study, Karyn Sporer looks at the importance of positivity, education and community, and examines strategies family members identify as being helpful when challenged by stressors related to living with an aggressive child or sibling with severe mental illness. "Our communities are poorly equipped to support not only the needs of persons with severe mental illness, but also the needs of their family members and family caregivers," says Sporer, who adds the study focused specifically on the family members and how they remain "somewhat positive despite living in incredibly stressful and sometimes dangerous homes." Data from interviews with 42 parents and siblings of violent children with severe mental illness were analyzed to identify three primary strategies family members attribute to their ability to endure: gaining insight and knowledge, joining peer support programs, and identifying a silver lining. Participants reported gaining insight and knowledge about mental illness and the mental health system by reading self-help books and doing research, as well as attending seminars, trainings and conferences. Many participants said they sought self-education after feeling unprepared for the demands of caring for a person with severe mental illness, which they attributed to a lack of information provided by mental health practitioners. Family members also relied on peer support as resources for guidance and encouragement. Looking to others for support, whether online or in person, reduced feelings of isolation and helped participants manage their emotions by introducing them to a community whose members faced comparable adversities. Challenged by acute and unpredictable aggression by their child or sibling with mental illness, participants shared stories of positivity and resilience in interviews. It was through silver linings that participants credited, in part, their ability to persevere, the study found. These "golden moments" often are ordinary occurrences for most families, such as watching a movie together or witnessing a child smile. Family members of aggressive persons with severe mental illness described these moments as rare, making ordinary moments extraordinary, the researchers say. Giving attention to these strategies, the study determined, may prove beneficial for other family members and caregivers confronted by mental illness, violence and the complex mental health system. The researchers recommend mental health practitioners help identify, locate and engage with the primary strategies to minimize family members' sense of isolation and confusion, and improve knowledge about mental illness. "Finding the 'Golden Moments': Strategies of Perseverance Among Parents and Siblings of Persons With Severe Mental Illness and Violent Tendencies" was published in the Journal of Family Issues. The study's co-authors are Lisa Speropolous, assistant professor of justice studies at Southern New Hampshire University, and Katarina Monahan, a mental health rehabilitation technician at Dirigo Counseling Clinic in Bangor who earned a bachelor's degree in psychology from UMaine in 2018. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

#### **Students share marine science research at SEA Fellows Symposium**

**12 Aug 2019**

Megan Driscoll wants to replace plastic made of petroleum with plastic made of algae. So this summer, the University of Maine intern made algae-based bioplastic and documented how it broke down over time in the Damariscotta River Estuary. Driscoll, a junior marine sciences major from Chelmsford, Massachusetts, presented her project Aug. 6 at the fourth annual SEA Fellows Symposium at the University of Maine Darling Marine Center. She was joined by 39 other SEA Fellows hailing from 13 schools in Maine and beyond. Each studied a marine topic in collaboration with a research mentor at a Maine university. Industry professionals also served as project advisers for many students. SEA (Science for Economic Impact and Application) Fellows is an undergraduate training program led by UMaine and University of Maine at Machias, with support from the Darling Marine Center, Downeast Institute and Maine EPSCoR. The fellows presented posters about how clams, oysters and other coastal species respond to changing environmental conditions; how changes to post-harvest storage of lobster may increase value; and emerging information on the ecological, economic and social factors that contribute to sustainable aquaculture and fisheries in Maine. Heather Leslie, director of the DMC and UMaine associate professor of marine sciences, and Brian Beal, director of research at Downeast Institute and UMM professor of marine ecology, organized the event. "It was fantastic to see so many different people interested in Maine's ocean and marine economy come together," says Leslie. "And the students did a great job, sharing their science and explaining how each of their projects are advancing understanding and opportunities in Maine and beyond." UMaine President Joan Ferrini-Mundy and University of Maine System Chancellor Dannel Malloy welcomed more than 100 people to the symposium. Ferrini-Mundy and Malloy also toured the waterfront laboratories and talked with researchers and business incubator clients who work at the Walpole campus. Communications training for the fellows preceded the symposium. Curt Brown of Ready Seafood Co. was the featured speaker at lunch. Brown, a UMaine alum and marine biologist with the Portland-based wholesale lobster company, shared his perspective on the importance of research-industry partnerships, particularly in light of the rapidly changing environmental conditions that UMaine scientists and many others are observing in the Gulf of Maine. The SEA Fellows program is designed to catalyze university-industry partnerships, and support undergraduate research related to Maine's marine economy and the coastal marine ecosystems and human communities that support it. Contact: Jessica Stumper, [Jessica.stumper@maine.edu](mailto:Jessica.stumper@maine.edu), 207.563.8135

#### **Yarborough talks with Associated Press about wild blueberry harvest**

**13 Aug 2019**

David Yarborough, wild blueberry specialist emeritus with the University of Maine Cooperative Extension, told the [Associated Press](#) that a cold winter and a wet, cold spring are likely culprits for another difficult summer for Maine's wild blueberry industry. He said the total harvest might be about 50 million pounds, which would be similar to last year's 50.4 million pounds. From 2014 to 2016, the wild crop annually topped more than 100 million pounds. The [San Francisco Chronicle](#), [Bangor Daily News](#), [Maine Public](#), [USA Today](#) and [The Lewiston Tribune](#) in Idaho and posted the AP story.

#### **Tuition-free online courses offered for qualified high school students**

**13 Aug 2019**

Through a partnership between the Maine Department of Education and University of Maine, tuition is waived for all qualified high school students in the state to cover full tuition for up to six credits per semester and 12 college credits per year. UMaine will offer online courses suitable for high school juniors and seniors starting Sept. 3. Registration is [online](#). Interested students and parents are encouraged to contact Allison Small, Early College programs coordinator, 581.8004; [allison.small@maine.edu](mailto:allison.small@maine.edu), to learn more about the application process. Classes are taught by world-class UMaine faculty and meet general education requirements of the University of Maine System, as well as the majority of colleges nationwide. Students across the state will benefit from the flexibility and variety of online early college courses offered. More than 40 courses are available to qualified high school students in a variety of formats.

#### **Carter, Brzozowski, Carlson speak on WGAN's 'Positively Maine' podcast**

**13 Aug 2019**

Three University of Maine Cooperative Extension staff members were recent guests on [WGAN's](#) "Positively Maine" podcast — Hannah Carter, dean of UMaine Extension; Richard Brzozowski, food system program administrator; and Lani Carlson, Maine AgrAbility coordinator. The show focused on the reach of UMaine Extension across the entire state, especially through programs like Maine AgrAbility and UMaine Extension 4-H camps.

#### **Farm and Dairy uses Cooperative Extension as green tomato resource**

**14 Aug 2019**

[Farm and Dairy](#) used the University of Maine Cooperative Extension as a resource for its article about how to harvest, ripen and cook green tomatoes. The article includes recipes for green tomato relish and fried green tomatoes.

#### **Pen Bay Pilot advances marine science presentations at DMC**

**14 Aug 2019**

[Penobscot Bay Pilot](#) posted a University of Maine media release inviting the public to a free showcase of graduate student marine science research at 10:30 a.m. Aug. 16, in Brooke Hall at the Darling Marine Center in Walpole.

#### **Down East shares a tip about 'Green Growth' spruce beer**

**14 Aug 2019**

[Down East](#) magazine wrote about the collaboration between the University of Maine School of Forest Resources and Marsh Island Brewing that has resulted in a spruce beer called Green Growth. Dan Hayes, assistant professor of geospatial analysis and remote

sensing, and Aaron Weiskittel, professor of forest biometrics and modeling, “started kicking around an idea” a few years ago. Catherine Chan, a graduate student who uses hyperspectral imaging to study plant health, recently joined a group in UMaine’s Demeritt Forest to snap off light green new-growth tips of Norway spruce trees for the brew. “The first time we added the tips, the brewery smelled like a Yankee Candle shop had exploded,” said Marsh Island head brewer Clay Randall. “I thought, ‘Yep, that’s gonna work.’”

#### **Daily Bulldog highlights 4-H Summer of Science program**

**14 Aug 2019**

The [Daily Bulldog](#) wrote about a 4-H Summer of Science activity — building catapults to launch pom poms across a carpeted floor — led by Tara Marble at the Farmington Public Library. Marble is youth coordinator for Franklin County’s 4-H program, which is part of University of Maine Cooperative Extension. Each week, participants explore a different “pirate problem.” The program serves about 110 area youth. “It’s all about experiential learning,” says Marble. “It gives a better outcome of skill sets and teaches that you can’t succeed without some failure.”

#### **UMaine mentioned in PPH editorial lauding Alzheimer’s research**

**14 Aug 2019**

The [Portland Press Herald](#) mentioned the University of Maine in its editorial about Northern Light Health’s initiative to research Alzheimer’s, dementia and other cognitive diseases related to aging. “In the oldest state in the nation, finding a cure has never been more important,” the editorial board wrote. “Maine is a good location for such research, not only because of our high percentage of seniors but also because the study can reach lower-income, rural Americans in a way researchers say doesn’t always happen.” The research, done in partnership with The Jackson Laboratory, the University of Maine and the state’s major hospital networks, will be housed at Acadia Hospital in Bangor. Residents throughout the state can take part. The [Morning Sentinel/Kennebec Journal](#) also ran the editorial.

#### **BDN publishes Glover’s op-ed about how Portugal addressed opioid crisis**

**14 Aug 2019**

The Bangor Daily News published Rob Glover’s [op-ed](#) “Look to Portugal to address the opioid crisis.” He advised the United States and Maine could learn from Portugal’s approach to its nightmarish situation in the 1990s, when roughly 1 in 10 individuals was using heroin. “Portugal’s prisons brimmed with those convicted of drug-related crime. High-risk behaviors produced public health crises, exploding HIV and hepatitis infection rates, homelessness and violent crime,” wrote the associate professor of political science and Honors at the University of Maine. Glover wrote that “bold decriminalization and harm reduction measures” have turned the opioid crisis there around. From 2001 to 2015, overdose deaths decreased by 80 percent. And from 1998 to 2011, the number of people in treatment increased by more than 60 percent. “Decriminalization did not increase drug consumption; Portugal’s prevalence of drug use is among the lowest in the European Union.”

#### **Media announce DHHS funding to fight opioid emergency**

**14 Aug 2019**

[News Center Maine](#), [Mainebiz](#), [WVH](#) (Channel 7) and the [Associated Press](#) reported the University of Maine received nearly \$500,000 from U.S. Department of Health and Human Services’ Health Resources and Services Administration to fight the opioid crisis. The money will be used to increase community-based training for behavioral health students. In total, Maine health centers, organizations and academic institutions received \$5,997,351 from DHHS. [WABI](#) (Channel 5) carried the AP report.

#### **Seacoastonline reports on Dagher’s talk about offshore wind in York**

**14 Aug 2019**

[Seacoastonline.com](#) covered a talk by Habib Dagher at the York Community Auditorium. “I asked myself, what is the world going to look like for our children,” said the executive director of the Advanced Structures and Composites Center at the University of Maine. “The challenge is to work together to use offshore wind to electrify heating and transportation, and keep the money and jobs in Maine.” Dagher, who told the 130 community members that the need for clean, renewable energy is critical, works to develop deep-water floating wind turbines for placement in the Gulf of Maine. The evening’s presentation — “Our Path to Energy Independence: What Role Can Offshore Wind Play?” — was hosted by the citizen group York Ready for 100%. “Deep water wind turbines ... will transform the way we heat our homes ... and drive our cars,” he said.

#### **News Center Maine, WABI cover Sporer’s research about children with mental illness**

**14 Aug 2019**

[News Center Maine](#) and [WABI](#) (Channel 5) reported that University of Maine sociology professor Karyn Sporer found that family members of children with severe mental illness and violent tendencies can employ three strategies to endure: Learn more about the illness and mental health system, join peer support groups, and find a silver lining or appreciate golden moments. “My advice really based on the research that I’ve done is to trust your instincts,” Sporer told WABI. “If you know that there’s something wrong, you need to keep advocating for yourself and for your family. One of the first things that people have done that they’ve found to be very helpful is finding a peer support group.” [Medical Xpress](#) printed the news release. [New England Psychologist](#) interviewed Sporer about the research.

#### **Mitchell talks with WVH about encounter with ‘one who eats a lot’**

**15 Aug 2019**

John Bear Mitchell shared his encounter with a creature for a [WVH](#) (Channel 7) piece titled “Some say Bigfoot seen in Maine.” “I never expected it, I never wanted it, never thought it would ever happen, but this happened,” said Mitchell, a citizen of the Penobscot Nation and the University of Maine Wabanaki Center outreach and student development coordinator and lecturer of Wabanaki studies and multicultural studies. “I just happened to be in a place where this animal, this creature, was at the same time. We bumped into each other ... and once we noticed each other we both went our separate ways.” Mitchell said a lot of people don’t believe that he met Gwakcoo — a Native name for “one who is hungry all the time.” “No matter how much education, no matter what you do for a job, when you see something and you know you saw something and you tell that to somebody and they look at you and they say, ‘Yeah, that’s not true. They don’t exist.’ You are never going to convince that person that they do exist.”

#### **Klein a source for CNN opinion piece about Green New Deal**

**15 Aug 2019**

Sharon Klein, University of Maine associate professor of economics, contributed to Paul Hockenos’ opinion piece on [CNN](#) titled “The Green New Deal doesn’t require a tsunami of government funding.” While prices of solar power, wind power and batteries are low, “renewable energy should be spreading like wildfire across the United States. But although many states — such as California, Vermont, Minnesota and New York — are boldly forging ahead, most are not,” wrote Hockenos. He suggested American environmentalists look to Europe for guidance to implement the Green New Deal, which seeks to “address the interwoven crises of climate catastrophe, economic inequality, and racism at the scale that science and justice demand.” If the “federal government is unwilling, Hockenos said states should” sweep aside “impediments with “legislation mandating the access of all producers, no matter how large or small, to the grid. Klein wrote, “State policies need to support community renewables, rather than actively blocking them or trying to drive them toward a utility ownership model.”

#### **Calais Advertiser covers Newsom’s research on POW camp on Passamaquoddy land**

**15 Aug 2019**

The Calais Advertiser announced that Bonnie Newsom will conduct archeological research on a World War II German prisoner-of-war camp located on Passamaquoddy land in Eastern Maine. Newsom, an assistant professor of anthropology at the University of Maine, will collaborate with Donald Soctomah, a Passamaquoddy Tribal Historic Preservation officer. The American Association of University Women recognized the project with a 2019–20 American Fellowship totaling \$6,000. “I am honored to be a recipient of

this award and I'm thrilled to have an opportunity to work with the Passamaquoddy Tribal Historic Preservation Office on this publication," Newsom said. "It will help ensure that the archaeology of the World War II POW camp at Indian Township, Maine becomes accessible to the public and integrates a Passamaquoddy perspective."

#### **UMaine partners with EDC, Mount Washington Observatory and others on NSF-funded project to promote data science education**

**15 Aug 2019**

The University of Maine is partnering with the Education Development Center (EDC) in Waltham, Massachusetts, Mount Washington Observatory (MWO) in North Conway, New Hampshire, and additional partners to help eighth-grade students in rural Maine and New Hampshire learn scientific data analysis and modeling skills. The new WeatherX project is funded by a three-year, \$1.19 million grant from the National Science Foundation. In collaboration with a small group of eighth-grade science teachers in the Mount Washington region, the WeatherX project will design and test eight weeks of classroom materials. The materials will teach students how to analyze and develop scientific prediction models using meteorological data related to an extreme weather event on the summit of Mt. Washington, often called the "Home of the World's Worst Weather." Students will also study and model an extreme weather event that has occurred in their rural vicinity. To conduct their analyses, students will use online data analysis and scientific modeling tools that have been developed for middle and high school students by project partners. They will also draw on decades of publicly available local and regional weather data collected by MWO and the National Center for Environmental Information (NCEI). EDC is the primary grantee on WeatherX. Asli Sezen-Barrie, assistant professor of curriculum, assessment and instruction, is co-principal investigator and will lead the project at UMaine. Other partners include researchers and developers at the University of Washington and The Concord Consortium in California. A link to the full announcement is available on the EDC [website](#). Contact: Casey Kelly, 207.581.3751

#### **App allows citizen scientists to contribute to monarch butterfly research**

**15 Aug 2019**

When spotting a butterfly, a common reaction may be to whip out a phone and snap a photo. A team of University of Maine researchers is hoping another response could be to use the phone to log details about areas where butterflies are likely to be found. Using a mobile app, anyone can become a citizen scientist by visiting potential monarch butterfly roosting sites from Maine to Georgia and answering questions based on their observations. Brandon Boxler, who is pursuing a master's degree in ecology and environmental sciences, and Cynthia Loftin, associate professor of wildlife ecology and leader of the United States Geological Survey Maine Cooperative Fish and Wildlife Research Unit, plan to use data collected from the app to validate a model that predicts the location of monarch roosting sites. "We are trying to create a model that predicts areas that have a high suitability for monarchs for roosting during their fall migration to Mexico," Boxler says. "Although we have developed an initial model, without ground truthing it will be hard to know the validity of the results. This application will assist us in testing and refining the model." The monarch butterfly conducts one of the most dramatic migrations in the world, according to the researchers. Every fall, the great-great-grandchildren of butterflies who came north from Mexico in the spring turn south and begin a 3,000-mile journey to their overwintering grounds. However, the number of monarchs completing the migration has fallen by 90 percent in the past two decades, the researchers say. "The monarch migration is declining because the overall number of monarchs is declining," says Boxler, who adds there are many causes for the decline, including loss of overwintering habitat due to logging, loss of breeding habitat — native milkweed — to herbicides, as well as exposure to pesticides, disease and parasites/parasitoids. Researchers around the country, including Boxler and Loftin, are learning more about the monarch and its behavior in an attempt to curb the population decline. While migrating in the fall, monarchs rest at night, often in groups of several hundred or thousand. Tens of thousands of monarchs can cluster on one tree, according to the U.S. Forest Service. Boxler and Loftin completed a model that seeks to determine where the roosts occur and the factors common among the sites. The model suggests the butterflies tend to roost in vegetation, often in trees or bushes in otherwise open areas. They are more likely to be found near open water, and in areas with fall blooming flowers from which they can feed. Due to the large area the model covers, it is not feasible for the researchers to ground truth, or confirm, the findings themselves. The Monarch Model Validator, which is a survey within the Collector for ArcGIS app, was created by a former UMaine master's student, Drew Rosebush. In spring 2018, Rosebush took a geographic information system (GIS) class taught by Kate Beard-Tisdale, a professor of spatial information science and engineering. He and three other students helped Boxler and Loftin get the app development underway as a project in the class, according to Loftin. Users of the app may visit a predetermined high-priority site indicated by a pin on a digital map or a location of their own. While there, they are asked to answer a short survey and upload photos. Responses are compiled in an online database the researchers will access to determine how the information compares to predictions made by their original model. The project is funded by UMaine and the Maine Department of Inland Fisheries and Wildlife through the cooperative agreement with the USGS Maine Cooperative Fish and Wildlife Research Unit, with additional funds from the United States Department of Veterans Affairs. More information about the project, including instructions on how to download the app, is [online](#). Questions can be emailed to [monarch-model-group@maine.edu](mailto:monarch-model-group@maine.edu). Contact: Elyse Catalina, 581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

#### **Miranda Snyder: Education major makes a difference through leadership at youth activism camp, literacy program**

**15 Aug 2019**

Miranda Snyder of Brimfield, Massachusetts spent part of her summer immersed in activism and volunteering with youth. The third-year secondary education major, who has a concentration in English and is in the Honors College, worked as a camp counselor at Youth Empowered Action Camp (YEA Camp), which focuses on youth activism, and volunteered with African Community Education (ACE) to help refugee and immigrant youth improve their English literacy and other professional skills. "I believe that education is at the root of all progress, both internal and external. In order to have meaningful conversations, one must be acquainted with the subject matter of the discussion, but also be open to learning from others," she says. "I believe that sharing personal stories is one of the most, if not the most, effective tools of education. With proper, meaningful literacy skills, one can advocate for themselves in the most effective way possible, henceforth educating others with their unique, personal experience." YEA Camp, located in Charlton, Massachusetts, trains young middle and high school-age students who are interested in activism with skills to help them advocate for their "issue of importance," or IOI. As a counselor, Snyder led workshops for campers focused on gender, bullying, writing a personal manifesto, leading a club and theatre activism. Other staff taught workshops ranging from institutional racism to consumerism to arts activism to nonviolent communication skills, as well as evening activities designed to strengthen confidence and communication skills, according to Snyder. She says the entire camp experience was "life-changing and extremely affirming" of her future plans, especially what she learned from the meaningful relationships she formed with campers. "Twelve-year-old campers spoke at length about intersectional issues, and brainstormed methods to solve them. Every camper, whether or not they had the highest level of confidence or most finessed communication skills upon entering camp, had a passion for their cause and refused to deny its importance," Snyder says. "Being able to help cultivate an environment of support, teaching and fulfillment for these young individuals reminded me that no one's voice is weaker or less important because of their age. Instead, we ought to devote our efforts to supporting these passionate voices, because they will be the ones that decide tomorrow." Through ACE, located in Worcester, Massachusetts, Snyder worked with middle and high school-age students who are African refugees and immigrants in the organization's 15-day summer reading program. ACE provides students with summer reading texts for free, and Snyder led a daily two-hour session discussing vocabulary and contents of the text, having students take turns reading out loud and helping them with difficult-to-pronounce words. "I thoroughly enjoyed my experience at ACE. The structure of all summer programs allows the students time to relax and mingle, but also emphasizes the benefit of working on educational skills," Snyder says. "Similar to my experience at YEA Camp, the students' dedication to learning inspired me greatly. Each student was committed to reading and engaging in discussions around the texts, despite being at an unjust setback compared to their U.S.-born peers." Snyder focuses on activism outside of academics too. She is a co-chair of the Feminist Collective, and works with the group to spread awareness about various issues on campus and beyond. As a Fogler Library Student Ambassador, she provides feedback on student reception and interaction with the library, and she also enjoys reading and performing, including theatre, dance and music. "The activist community on campus continually encourages me to challenge my preconceptions, opinions, and how my efforts are carried out," says Snyder. "Not only is the community ever-enriching, it is also ever-strong. When new headlines or our daily experiences are triggering, we provide one another with care and support, and rally to use our passion for progress." Contact: Cleo Barker, 207.581.3729

#### **Penobscot Times mentions UMaine in high-speed internet project article**

**16 Aug 2019**

The [Penobscot Times](#) indicated that a pilot project — a joint venture between Old Town, Orono and the University of Maine for super high-speed internet access — will get underway this winter. The goal is to build fiber optic infrastructure that will provide the same level of connectivity to homes and apartments that UMaine has, and to spur entrepreneurship, particularly for businesses.

#### **Advertiser Democrat uses information from Tick Lab**

**16 Aug 2019**

The [Advertiser Democrat](#) utilized information from the University of Maine Cooperative Extension Tick Lab in the second part of its three-part series about tick identification, disease and encounter prevention. The article is titled "Ticked off: Avoid, protect, check, remove."

#### **Penobscot Times posts release citing UMaine as one of best 385 colleges**

**16 Aug 2019**

The [Penobscot Times](#) posted the University of Maine media release about its inclusion in Princeton Review's 2020 guide of the best 385 colleges nationwide. Princeton Review comprises the list after reviewing annual data about academic offerings from college administrators. In the "Students Say" section, UMaine business, engineering, marine sciences, forestry, animal sciences, music and education majors raved about their academic areas. Students noted that with nearly 100 majors, minors and degree programs, "the class choices are amazing" and that "UMaine provides one of the most affordable university educations" with "great scholarships." While courses are challenging, students indicated there are plenty of resources, including professors and peers, to ensure success.



## **Phys.org runs release about mobile app that could help monarch butterfly migration**

**16 Aug 2019**

[Phys.org](#) posted a University of Maine media release about a mobile app that citizen scientists can use when visiting potential monarch butterfly roosting sites and answering questions based on observations. UMaine master's student Brandon Boxler and associate professor of wildlife ecology Cynthia Loftin are working to create a model that predicts highly suitable areas for monarchs to roost during their fall migration to Mexico. The number of monarchs completing the migration has fallen by 90 percent in the past two decades, say the researchers, who want to learn more about the monarch and its behavior to try to curb the population decline.

## **President Ferrini-Mundy talks with Ellsworth American about UMM progress**

**16 Aug 2019**

University of Maine President Joan Ferrini-Mundy told [The Ellsworth American](#) that she's optimistic about changes at the University of Maine at Machias since it became a regional campus of UMaine. Marine science programs, for instance, continue to be a staple. And new programs — including nursing — are being added. And starting next year, full-tuition scholarships will be offered to 11 high-achieving Washington County students, according to the article.

## **Open house to celebrate Orono Bog Boardwalk reconstruction slated for Aug. 17–18**

**16 Aug 2019**

Volunteers at the Orono Bog Boardwalk will host an open house on Aug. 17 and 18 to celebrate the completion of the boardwalk's reconstruction. At 11 a.m. Aug. 17, there will be a ceremonial ribbon cutting. The original boardwalk was constructed in 2002–2003 under the direction of Ronald Davis, now professor emeritus of the School of Biology and Ecology and Climate Change Institute at UMaine. Since 2013, volunteers from the University of Maine and the community have spent more than 4,000 hours reconstructing the boardwalk, and have raised more than \$1 million since 2010 to fund the project. Thousands of donors have contributed to this effort. Since its June 2003 opening, the boardwalk has been visited by more than 400,000 people from Maine, the nation and the world. It features seven interpretive stations along its route, as well as numerous benches where visitors may rest and contemplate their surroundings. Visitors come alone or in groups, for active exercise, educational tours, or solitude, or simply to watch the seasons unfold in a rare and beautiful habitat. The boardwalk is used regularly by UMaine faculty, as well as other educators from the region, as a laboratory for research and student learning. A volunteer staff maintains the boardwalk and provides information and education for visitors, including school and community groups. The facility is jointly managed by UMaine, the Orono Land Trust, and the City of Bangor. Its operation and maintenance are funded entirely through donations, sales of boardwalk merchandise, and grants. The wheelchair-accessible boardwalk is located in the Rolland F. Perry (Bangor) City Forest, where it wends its way through forested wetland and out onto a broad, open peat bog. It is free of charge and open from 7 a.m. to 6:30 p.m. seven days a week during summer, with hours adjusting for day-length changes in autumn.

## **Rubin named to inaugural editorial board of 'Transportation Research Record'**

**19 Aug 2019**

University of Maine economist Jonathan Rubin, director of the Margaret Chase Smith Policy Center, has been named an associate editor of the "Transportation Research Record," the publication of the Transportation Research Board of the National Academies of Sciences, Engineering, and Medicine. He is a member of the inaugural editorial board of the "Transportation Research Record" in its transition to a SAGE publication. Rubin chairs the Transportation Research Board's Environment and Energy Section.

## **Get ready to 'Meet the Bears' Aug. 21**

**19 Aug 2019**

The University of Maine football team's annual [Meet the Black Bears](#) night is scheduled for Wednesday, Aug. 21 at Alford Stadium. After the free 6 p.m. clinic with the squad, all are invited to enjoy pizza and watch the movie "Coco" on the high-definition video board. To learn more about the event and its sponsors, as well as to register, visit [GoBlackBears.com](#).

## **University of Maine offers adult degree completion program**

**19 Aug 2019**

The Bachelor of University Studies is UMaine's degree completion program for busy adults. Many adults who have some higher education experience but no bachelor's degree find that life circumstances or interests make a traditional major and/or on-campus study difficult. Often family, job and other responsibilities do not allow for full-time study. For these students, the Bachelor of University Studies program provides an opportunity to develop a course of study that encompasses their interests and makes maximum use of existing transfer credits. The program also is available in a part-time, online format to accommodate the needs of working adults. "Students in this degree program come from all walks of life — business, military, social services and education, to name a few," says Barbara Howard, director of the Bachelor of University Studies program. To meet the demands of adult learners, UMaine offers flexible course delivery formats, including online, video conferencing, and blended and live classes. With its multiple track options, the program provides an opportunity for students who would benefit from an individually designed interdisciplinary program of study, as well as those who prefer a more prescribed curriculum. More about the program is [online](#). For additional information, contact Howard, 581.3146; [howard@maine.edu](mailto:howard@maine.edu).

## **BDN, WABI cover open house for newly restored Orono Bog Boardwalk**

**19 Aug 2019**

The [Bangor Daily News](#) and [WABI](#) (Channel 5) reported on an open house that was held to celebrate the completion of the Orono Bog Boardwalk's reconstruction. It took seven years for 120 volunteers, who worked more than 4,000 hours, to replace the original wooden sections of the boardwalk with more durable plastic composite ones at a cost of \$1.56 million, according to the BDN. Each year, the BDN reported, between 27,000 and 30,000 visitors visit the boardwalk, which is open between May and November and is jointly managed by the University of Maine, the Orono Land Trust and the city of Bangor. [WVH](#) (Channel 7) also reported on the open house.

## **Garland speaks with WABI about Field Day at Rogers Farm**

**19 Aug 2019**

Kate Garland, a horticultural professional with University of Maine Cooperative Extension, visited the studio of [WABI](#) (Channel 5) to speak about the annual Field Day at Rogers Farm demonstration garden in Old Town. The UMaine Extension Master Gardener Volunteers program will host the free event 10 a.m.–1 p.m. Sept. 7, rain or shine. Activities include workshops, a new backyard hops demonstration garden, botanical crafts, Maine-grown melon taste tests, a book walk, expert tips on growing peppers and butterfly gardens, door prizes and more. The [Sun Journal](#) also advanced the event.

## **Maine Edge interviews Williams, Cole about CCA's 2019–20 season**

**19 Aug 2019**

[The Maine Edge](#) spoke with Danny Williams, executive director of the Collins Center for the Arts at the University of Maine, and Karen Cole, associate director of the CCA, about the center's 2019–20 season. The season kicks off Sept. 13 with musician Chubby Checker and will feature a gala performance by Bobby McFerrin Sept. 28. The center offers a variety of music, theater and dance aimed at audiences of all ages, according to the article. "We want to bring things here that you might not otherwise see anywhere else," Williams said, adding a major aspect of the center's mission is accessibility and making sure everyone can afford a ticket, including children and students. "We encourage parents to bring their children to some of these performances," Cole said. "That's how young people get exposed to the arts. Those are our audience members of the future — it's important to instill that passion early."

## **Mallory cited in Press Herald report on feasibility of growing field peas in Maine**

**19 Aug 2019**

Ellen Mallory, a sustainable agriculture professor with the University of Maine Cooperative Extension and in the UMaine School of Food and Agriculture, was quoted in a [Portland Press Herald](#) article about whether yellow field peas could be a viable crop for Maine. The yellow field pea has become a hot commodity, fueled by the growth of vegan products that rely on the pea for their protein content, according to the article. Some Maine farmers have recently added the crop to their rotations, but whether the state's agriculture sector can profit from the growing vegan market depends on processing, the article states. Field trials with yellow peas that were conducted by UMaine Extension at Rogers Farm in Old Town from 2013 to 2015 produced yields from 45 to 74 bushels per acre. "Results from this third year of trials at the University of Maine further confirm that field pea is a viable rotation crop in organic cereal/pulse rotations," said the final report written by UMaine Extension specialists Mallory and Tom Molloy. "I do believe there is great potential for Maine farmers to grow field peas," Mallory wrote in an email. "There has been talk about (field peas) as a potential crop to meet the demand of the new markets," she said. "Maine's ability to take advantage of the expanding market for plant-based proteins will depend on processing infrastructure."

#### **WABI, WVII interview Rosenbaum about research on TV, movie spoilers**

**19 Aug 2019**

Judith Rosenbaum, an assistant professor of media studies at the University of Maine, spoke with [WABI](#) (Channel 5) and [WVII](#) (Channel 7) about her research on spoilers. Even though a spoiler is defined as information about a plot of a show or movie that ruins the viewer's sense of surprise, research led by Rosenbaum found that some people enjoy knowing what is coming and are in "control" of their emotions. Rosenbaum and her team also found whether a spoiler ruins someone's experience depends on the personality of the viewer, WABI reported. "Spoilers are not universally bad," Rosenbaum said. "It really depends on so many factors, including what you take away from movies. Why are you watching a movie? Why are you watching a television show? How invested are you in the characters? How much do you care? How many emotions do you have riding on the outcome of this show? That's really much more of a determining factor in whether spoilers are going to ruin your enjoyment than anything else." And genre makes a difference too. "If you're a fan of comedy, knowing how something turns out can be a detriment to your enjoyment. If you're a fan of fantasy, it doesn't seem to matter so much," Rosenbaum told WVII.

#### **USA Today includes UMaine in report on recruiting out-of-state students**

**19 Aug 2019**

A University of Maine scholarship program was mentioned in the [USA Today](#) report, "College recruiters aggressively go after out-of-state students." Enrollment of out-of-state or international students is on the rise as flagship public institutions cross state lines to recruit more students, according to the article. A small number of state-run universities are beginning to provide breaks on out-of-state tuition, or eliminate differences altogether, for students they want to recruit from other states, USA Today reported, citing UMaine as an example. UMaine — which decreased in-state enrollment by 31.51 percent in five years — offers a Flagship Match scholarship for academically qualified students from select states. Scholarship recipients need only pay the in-state tuition at their state's flagship, rather than the typical \$29,310 out-of-state tuition, the article states.

#### **Media report on app that allows citizen scientists to aid butterfly research**

**19 Aug 2019**

The Associated Press, [WABI](#) (Channel 5), [WVII](#) (Channel 7) and [Engadget](#) reported on a mobile app that citizen scientists can use to contribute to monarch butterfly migration research at the University of Maine. By visiting potential roosting sites from Maine to Georgia, users of the Monarch Model Validator app can help researchers by answering questions based on their observations. Brandon Boxler, who is pursuing a master's degree in ecology and environmental sciences, and Cynthia Loftin, associate professor of wildlife ecology and leader of the United States Geological Survey Maine Cooperative Fish and Wildlife Research Unit, plan to use data collected from the app to validate a model that predicts the location of monarch roosting sites. The researchers say monarch butterflies begin a 3,000-mile migration south every fall. They also say the number of monarchs that complete the migration has fallen by 90 percent in the past two decades, AP reported. "It's important to know where they live, what habitat they are using," Boxler told WABI. "The monarch is an important species because it is such an iconic part of the American summer to see the orange wings coming through the sky and also because it is a pollinator, which has value to farmers and to anyone who likes to eat the things that farmers make for us." More information about the project, including instructions on how to download the app, is [online](#). [USA Today](#), [The Washington Times](#), [News Center Maine](#), [NECN](#), [Portland Press Herald](#), [The Times Record](#), [Maine Public](#) and [The Eagle](#) carried the AP report. [The Maine Edge](#) and [Environmental News Network](#) published a UMaine news release about the app.

#### **NASA grant funds UMaine remote sensing research for large-scale forest health assessment**

**19 Aug 2019**

State-of-the-art geospatial data collection and modeling to assess, monitor and forecast the quality, health and value of Maine forestlands is the focus of a new NASA-funded project led by the University of Maine. The three-year project, funded by a nearly \$750,000 NASA grant, is led by Parinaz Rahimzadeh, assistant professor of remote sensing of natural resources in the UMaine School of Forest Resources. The research team will use remote sensing technology to develop comprehensive models with more detailed, accurate, higher resolution and near-real-time data on forest tree species identification, and forest tree decline detection and damage assessment. Ultimately, the remote sensing framework for geospatial data collection and modeling will provide information on forest composition as well as damage caused by recent pest and pathogen outbreaks, such as spruce budworm, emerald ash borer and Caliciopsis pine canker. "Advances in remote sensing technology are revolutionizing the way in which forests are continually measured and monitored," Rahimzadeh says. This project will connect remote sensing information, such as NASA air- and space-borne hyperspectral and multi-spectral data, with traditional and ground-based data to address immediate needs for precise pest and pathogen control and early intervention, as well as preservation of economic, ecological and cultural assets of forest resources. The Northeast, the most heavily forested part of the United States, faces numerous challenges: natural disturbances, such as fires, insect outbreaks, ice storms and windthrow; and human-induced, including changing ownership patterns, altered forest harvesting practices, increased developmental pressures, evolving forest regulatory policies and climate change. "Given the number and complexities of the various factors currently influencing Maine's forests, there is a strong need to better assess and monitor this valuable resource in order to best prepare managers and policymakers for various possible futures," says Rahimzadeh. Other members of the research team include UMaine faculty Aaron Weiskittel, Center for Research on Sustainable Forests; Daniel Hayes, School of Forest Resources; and Wilhelm Friess, Department of Mechanical Engineering. They are joined by Peter Nelson of the University of Maine at Fort Kent, and U.S. Forest Service and NASA scientists. The project, which aligns with the University of Maine System "[Research and Development Plan](#)," will involve undergraduate and graduate student researchers. It also will support targeted engagement with key stakeholders in Maine, such as the forest products industry and conservation organizations. Contact: Parinaz Rahimzadeh, 207.581.2813; parinaz.rahimzadeh@maine.edu

#### **UMaine Extension offers mediation training program**

**20 Aug 2019**

University of Maine Cooperative Extension will offer a 40-hour basic mediation training beginning 8:30 a.m.–5 p.m. Sept. 23 at the University of Maine, 1 York Complex. The training continues at the same location Sept. 24–25 and Oct. 2–3. The hands-on, interactive training will include demonstrations, discussions, exercises, videos and role-play practice with mediation scenarios. Scheduled instructors are Karen Groat, director of Family and Community Mediation; Leah Boyd, mediator, facilitator and certified trainer with the Center for Nonviolent Communication; and additional guest mediator coaches. The \$775 cost per person — \$885 if after Aug. 23 — includes a certificate upon successful completion. Maine Continuing Legal Education (CLE) credit is available for an additional \$35. More information about the training and registration is [online](#). To request a reasonable accommodation, contact Leslie Forstadt, 581.3487; [leslie.forstadt@maine.edu](mailto:leslie.forstadt@maine.edu).

#### **Mechanical weed control field day at Rogers Farm Sept. 12**

**20 Aug 2019**

University of Maine Cooperative Extension will hold a mechanical weed control field day 8:30 a.m.–4:30 p.m. Sept. 12 at Rogers Farm in Old Town. Designed for farmers, crop advisers and others in the agricultural community, this hands-on event will feature tool demonstrations and research results for vegetable and field crop production from local, national and international researchers, as well as company representatives. The \$20 fee includes lunch if paid by Sept. 5, \$30 through Sept. 11, or \$40 at the event. Register [online](#). Pesticide certification credits and Certified Crop Adviser credits will be available. For more information or to request a reasonable accommodation, contact Ellen Mallory, 581.2942; [ellen.mallory@maine.edu](mailto:ellen.mallory@maine.edu). More information also is [online](#). The event is supported by grants from the USDA-NIFA Organic Agriculture Research and Extension Initiative and the Northeastern IPM Center at Cornell University.

#### **Morning Ag Clips advances mechanical weed control field day**

**20 Aug 2019**

[Morning Ag Clips](#) reported University of Maine Cooperative Extension will hold a mechanical weed control field day 8:30 a.m.–4:30 p.m. Sept. 12 at Rogers Farm in Old Town. Designed for farmers, crop advisers and others in the agricultural community, this

hands-on event will feature tool demonstrations and research results for vegetable and field crop production from local, national and international researchers, as well as company representatives. Registration is [online](#).

## Mainebiz reports on Center for Additive Manufacturing of Metals

20 Aug 2019

[Mainebiz](#) reported on the University of Maine's Center for Additive Manufacturing of Metals (CAMP), which focuses on 3D printing of metal objects and is based in the Advanced Manufacturing Center. "This is going to be the inaugural year of using this technology, and I'm excited to see how that pans out," said UMaine undergraduate Alex Watson, a mechanical engineering major working at CAMP. Watson said he plans to use the 3D metal printing equipment for his senior capstone. The center, one of the first at a U.S. university, isn't just for academic purposes, the article states. It's also for businesses, including 35 companies that pitched in to fund the facility. John Belding, director of the Advanced Manufacturing Center and co-director of CAMP, told Mainebiz he sees great promise for the new system, which fuses smaller metal particles together through 3D printing to form solid metal objects. "This technology is a keeper," he said. Brett Ellis, assistant professor of electrical engineering technology and co-director of CAMP, said he is enthusiastic about the research possibilities offered by the center. "What will separate us from others is the research and education piece," he said. "The next question is design, and how do you make this stuff work? We all have the expertise and the skill sets to make this happen."

## Dill speaks with BDN about deer flies, horse flies

20 Aug 2019

The [Bangor Daily News](#) interviewed Jim Dill, a pest management specialist with the University of Maine Cooperative Extension, for the article, "Why deer flies and horse flies are such dreaded summer pests." "Their mouthparts are described as knife-like or scissor-like," Dill said. "They basically slash their way in [to your skin]. They have a saliva that acts as an anticoagulant. And when you start bleeding from the wound, they lap it up." Dill is working on a project that involves capturing and identifying different deer flies and horse flies throughout Maine, according to the article. "Deer fly" and "horse fly" are common names used to describe hundreds of species in the Tabanidae family, the article states. "Off the top of my head, I don't know how many different species there are in Maine," Dill said. "But there's a lot, and some of them are kind of regional. For example, down on the coast, you hear of the 'greenheads' on the beaches." One of the species Dill found had yellow and black stripes, similar to yellowjackets. Another species is so big — about 1.5 inches long — that Mainers often refer to it as a "moose fly," the BDN reported. "One under each arm would carry you away," Dill joked. [Maine Public](#) carried the BDN report.

## WGME interviews Moran about growing peaches in Maine

20 Aug 2019

[WGME](#) (Channel 13 in Portland) spoke with Renae Moran, an associate professor of pomology at the University of Maine and a fruit tree specialist with UMaine Cooperative Extension, for a report about growing peaches in Maine. While it has been a good year for Maine peach growers, many varieties don't handle the winters very well, according to the report. Moran grows peaches in experiments at UMaine's Highmoor Farm in Monmouth, where she aims to create a better cross-hybrid peach tree, the report states. "The ultimate goal of this project is to develop new varieties that are both tasty and cold-hardy enough to thrive in Maine," Moran said. She added that fruit thinning is one of the most important parts of peach care since it keeps the branches from getting too heavy and breaking. It also encourages bigger fruit size, better fruit taste, and greater winter survival, WGME reported. Peach trees may take several years to bear fruit, but a single fruiting tree can be enough for a family. "To get the best-tasting peaches, you really have to grow them yourselves and ripen them on the tree," Moran said.

## \$20 million grant awarded for Maine Environmental DNA initiative to support coastal ecosystems

21 Aug 2019



A \$20 million grant from the National Science Foundation EPSCoR program will fund a five-year initiative that aims to revolutionize environmental monitoring, ecological understanding and sustainability of coastal ecosystems. The University of Maine is partnering with Bigelow Laboratory for Ocean Sciences and other collaborators in education, government agencies, citizen's groups and local industry statewide. "The Maine Environmental DNA (Maine-eDNA) initiative represents a multi-institutional partnership that will position Maine as a national leader in the understanding and sustainable use of coastal ecosystems, and in addressing the statewide workforce needs in critically important areas, including biotechnology, ecology, environmental and data sciences," says principal investigator Kody Varahramyan, UMaine vice president for research and dean of the graduate school. The Maine eDNA program will continue statewide, multi-institutional marine-related research following the completion of the Sustainable Ecological Aquaculture Network (SEANET) program, the NSF EPSCoR project awarded in 2014. As noted in the newly released University of Maine System "[Research and Development Plan](#)," Maine EPSCoR has a critical role in improving R&D infrastructure and capacity statewide. "Keeping Maine's coastal ecosystem healthy is essential to preserving this precious natural resource that sustains thousands of Maine jobs," according to U.S. Sens. Susan Collins and Angus King in a joint statement. "This investment will advance the University of Maine's work, in partnership with Bigelow Laboratory, to better understand our coastal ecosystem and find solutions to offset the impacts of changing ocean conditions on our communities, marine life and economy." Environmental DNA (eDNA) is like a genetic fingerprint of a marine ecosystem. Organisms leave traces of DNA, the universal code for life, wherever they go — in the water, air or soil. These traces can be collected, identified and linked back to those species, much like evidence at a crime scene. The resulting data can show where, when and how species and groups of organisms have interacted with each other and their coastal habitats. Collected eDNA can be combined into larger and more comprehensive data sets that scientists can reanalyze to answer ever-evolving questions about how coastal systems work — and what makes them resilient or susceptible to change. "eDNA can change the landscape of how we gather data on coastal systems. It is a revolutionary way to get a snapshot look at organisms in their natural environments, from lakes to the ocean, and microbes to whales," says Michael Kinnison, UMaine science lead for the Maine-eDNA program and professor of evolutionary applications. "There's never been anything like it for crowdsourcing our understanding of coastal biodiversity." The state's fisheries and other resources in the Gulf of Maine have faced significant challenges due to harvesting, dams and climate change, according to Kinnison. Scientists and policymakers need to monitor these systems as rapidly as they are changing to manage them sustainably. "In order to protect and sustain our marine ecosystems, we must first better understand them. This \$20 million award from the National Science Foundation recognizes that University of Maine and Bigelow Laboratory researchers are leaders in this field, and offers the opportunity for Maine to spearhead a revolutionary understanding of coastal ecology. It is heartening to see national programs such as NSF partner with on-the-ground experts to support their vision," says U.S. Rep. Chellie Pingree. The new program will focus on two pressing issues for the coast of Maine: sustainable fisheries and harmful species. Sustainable fisheries research includes studying the outcomes of large-scale restoration efforts and unraveling the complex early life cycles of economically important species like lobster. Work on harmful species includes developing early warning systems for toxic algal blooms and forecasting the spread and impacts of invasive species. "Maine's natural resources are the economic engine for our state. This grant will fund research at the University of Maine and Bigelow Lab on environmental protection in Maine, helping us better understand coastal ecosystems and how to protect our fishing, lobstering, and coastal industries. This research will provide the information to innovate and develop our industries and lead Maine to a more sustainable future," says Congressman Jared Golden. The program also will advance the next generation of environmental science by combining the genetic data across these projects, and other sampling efforts, to generate massive genetic databases that researchers, policymakers and industry can access to address coastwide challenges for decades to come. "We are excited to use our understanding of microscopic ocean life to develop this new tool for Maine's aquaculture, fishing and biotechnology industries," says Deborah Bronk, president and CEO of Bigelow Laboratory for Ocean Sciences. "eDNA can provide powerful new insights into our

coastal ecosystems and the amazing diversity of life they support.” Citizen scientists, from seafood growers to schoolchildren, will have opportunities to contribute in multiple ways, such as collecting water samples, monitoring local water sources with handheld eDNA detectors and providing vital input for future initiatives. “Maine needs a robust STEM-literate workforce to secure the future of Maine,” says UMaine President Joan Ferrini-Mundy. “By leveraging this important funding from the National Science Foundation at the state’s public research university, in partnership with Bigelow Laboratory, Maine EPSCoR is able to create educational opportunities and internships in the context of significant research areas for Maine. This will help ensure that students persist in STEM-related fields, grow Maine’s workforce and solve problems.” More information is on the Maine-eDNA [website](#). [RII Track-1: Molecule to Ecosystem: Environmental DNA as a Nexus of Coastal Ecosystem Sustainability for Maine \(Maine-eDNA\)](#) is supported by National Science Foundation award #OIA-1849227 to Maine EPSCoR at the University of Maine. Contact: Christel Peters, 207.581.3571, [christel.peters@maine.edu](mailto:christel.peters@maine.edu)

#### **Twilight soil health tour in Windham**

**21 Aug 2019**

University of Maine Cooperative Extension is partnering with New Hampshire Strafford and Rockingham counties conservation districts for a twilight soil health tour 5–7 p.m. Aug. 29, at Bumbleroot Organic Farm in Windham. The free event includes a tour of the cover crop-based no-till tarping trial plots, demonstrations of farming equipment and implements, and a discussion of soil health-building strategies for farms of all scales and production types. Northeast Sustainable Agriculture Research and Education (SARE) and the Snell Family Farm in Buxton also are sponsors of the event. [Online registration](#) is required. For more information or to request a reasonable accommodation, contact Rebecca Gray, 207.781.6099, [extension.cumberland@maine.edu](mailto:extension.cumberland@maine.edu).

#### **Location change for 'Meet the Bears' Aug. 21**

**21 Aug 2019**

[Meet the Black Bears](#) will be moved inside to the New Balance Field House. Start time for the event is still 6 p.m. The community movie night has been postponed to Tuesday, Sept. 3 at Alford Stadium. To learn more about the event and its sponsors, visit [GoBlackBears.com](#).

#### **Volunteers sought for 2019 Maine Hello**

**21 Aug 2019**

The University of Maine’s First-Year and Transfer Experience is recruiting volunteers to welcome UMaine’s Class of 2023 during Maine Hello on Friday, Aug. 30. Maine Hello is a campuswide event where returning students, faculty and staff welcome new students and their families as they arrive on campus. From 7:30 a.m.–3 p.m., volunteers will assist with greeting families, answering questions and moving first-year students’ belongings into their residence hall rooms. Undergraduate student volunteers who will be living on campus can move into residence halls 6–9 p.m. Wednesday, Aug. 28. Groups and organizations are encouraged to sign up and work together. Volunteers are asked to attend a brief training session before the event. Registration is [online](#). More information about Maine Hello is available [online](#) or by calling 581.1420.

#### **UMaine Extension to offer mediation training, Livermore Falls Advertiser reports**

**21 Aug 2019**

[Livermore Falls Advertiser](#) reported the University of Maine Cooperative Extension will offer a 40-hour basic mediation training beginning 8:30 a.m.–5 p.m. Sept. 23 at the University of Maine. The training continues Sept. 24–25 and Oct. 2–3. The hands-on, interactive training will include demonstrations, discussions, exercises, videos and role-play practice with mediation scenarios. Scheduled instructors are Karen Groat, director of Family and Community Mediation; Leah Boyd, mediator, facilitator and certified trainer with the Center for Nonviolent Communication; and additional guest mediator coaches. The \$775 cost per person — \$885 if after Aug. 23 — includes a certificate upon successful completion. Maine Continuing Legal Education (CLE) credit is available for an additional \$35. More information about the training and registration are [online](#).

#### **Media preview Knox-Lincoln County Extension Association meeting in Wiscasset**

**21 Aug 2019**

[VillageSoup](#) and [Wiscasset Newspaper](#) reported Morris Farm in Wiscasset will host the Knox-Lincoln County Extension Association annual meeting 5–7 p.m. Sept. 11. Morris Farm board president and University of Maine Cooperative Extension Master Gardener Volunteer Merry Fossel will lead a farm tour, followed by refreshments and open discussion with UMaine Extension staff and Extension Association members, according to the reports. Fossel also speak about the farm’s educational programs and their partners, with a focus on community engagement, sustainable agriculture and support of the local food system. The evening closes with a business meeting, with time for comments and questions. The event is free and open to the public. Attendees are invited to stay for a 7 p.m. performance by the Dam Jam Fiddlers.

#### **Morning Ag Clips advances respirator fit testing at Maine Farm Days**

**21 Aug 2019**

[Morning Ag Clips](#) reported respirator fit testing, now required annually for anyone applying pesticides that require the use of a respirator, will be offered at Maine Farm Days beginning at 9 a.m. Aug. 22 at Misty Meadows Farm in Clinton. The fee is \$10 per person, and registration is required. Participants must complete a medical evaluation prior to testing, and information about how to do that is [online](#). Testing is sponsored by the University of Maine Cooperative Extension, Maine Labor Group on Health, and Maine Board of Pesticides Control.

#### **For Pittis ’13, ‘Rubble’ could lay groundwork for Hollywood film career**

**21 Aug 2019**

In 2018, Patrick Pittis was eager to land a job in the entertainment industry after earning a graduate degree in Writing and Producing for TV at Loyola Marymount University. He did. As an usher at a movie theater. The pay was good. And between cleaning seats and trash cans, he got to watch films for free. In his off time, Pittis wrote movie scripts. In spring 2019, Universal Pictures won the bidding for one of those scripts — “Rubble.” Pittis describes the film as a “contained thriller with a big sci-fi twist,” similar to “10 Cloverfield Lane.” Much of the action, he says, takes place in a collapsed staircase. During his youth, the Bangor, Maine native made short films and attended theater camp with his so-called nerdy friends. The fan of Stephen King continued to write scripts in his high school film class. At the University of Maine, which he attended on a full scholarship, Pittis initially studied theater and secondary education. At the time, he considered a career as a high school drama teacher. But along the way, he became more and more interested in writing — especially about pop culture — and switched his major to communication. Pittis says he was encouraged to explore screenwriting and directing in the supportive atmosphere of the School of Performing Arts. After he graduated magna cum laude in 2013, Pittis and Meghan Ballard headed to the Golden State. “I had met my wife as an undergrad,” Pittis says. “I had told her my goal was to move to California to try to be a writer. And she was naive enough to believe that I could do it.” Turns out she was right. When they arrived on the West Coast, Pittis and Ballard worked multiple jobs to save money. Pittis tended bar, delivered pizza and drove for Lyft. And he applied to graduate school. Two years later, he was accepted at LMU, a top film school. He’d also been accepted to law school and to a Ph.D. program in communication. He realized if he attended law school, he’d practice as an entertainment lawyer. And if he earned a doctorate in communication, he’d be a professor who dissected TV tropes. “I asked myself what I wanted to do, and it was work in the industry.” At LMU, Pittis says it was thrilling to use state-of-the-art film equipment and collaborate with others who also were developing their writing voices. When he and friends formed a small student production company, they got hands-on experience — from designing set lighting to securing location permits. Today, Pittis works an accounting clerk at The Intellectual Property Corporation, an Emmy Award-winning television production company. He says learning about the business side of entertainment has been valuable and eye-opening. During the two-hour, one-way commute to work in Van Nuys, he brainstorms. Pittis tries to imagine a cool concept or a cool character and a world in which they can exist. He figures out the story he wants to tell, where the emotional beats of the story are, then builds out each scene. When he writes, Pittis sits on the couch, cranks ’80s synth music, and types until his hands are cramped. He calls his initial script the vomit draft. By the third or fourth rewrite, he’s ready to share it. He shows it first to Meghan — who majored in Parks, Recreation and Tourism at UMaine. “Her initial reactions are always spot on,” Pittis says. Then he shows it to others, including his brother, who’s a librarian. Right out of grad school, Pittis’ screenplay “Foxhole” got optioned by an independent producer in Hollywood. The logline: A supernatural creature plagues two soldiers in a foxhole in France during World War II. The independent producer hooked him up with a management company. And a short time later, the managers showed his “Rubble” script to agents. After some tweaks, including to the ending, Universal bought the rights. “What happened to me is ridiculously crazy. I was very lucky every step of the way,” says Pittis. “It’s important to not be discouraged if you don’t have immediate success.” Rejections don’t dissuade Pittis, anyway. “If I don’t have something to be writing, it’s like a bug in my brain. I need to have something that I’m working on,” he says. “A good screenwriter is somebody who has to write. The people that can really push past all of the denials and rejections are the people that live and breathe writing.” Pittis admires entertainers who persevere. “One of my favorite actors is Alan Rickman. He didn’t have his first feature film until he was 41,” Pittis says. “It’s not really about when things happen to you. You should never be comparing yourself to other people’s journeys. You should always just be focused on what you’re doing and trying to do your own job as best as you possibly can.” Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## **AMC partners with Maine container manufacturing company PackGen to increase production efficiency, contribute to state economy**

**21 Aug 2019**

“None of us is smarter than all of us,” reads a sign above the door to the office on PackGen’s manufacturing floor. For PackGen, a company based in Auburn, Maine that specializes in making industrial shipping containers, it’s all about the people who make a difference in the process, from sparking ideas to manufacturing products to bringing them to market for clients. And focusing on collaboration is just what the company has done by working with the University of Maine Advanced Manufacturing Center (AMC) and Maine Manufacturing Extension Partnership (Maine MEP) collaborative, a resource for small- and medium-sized manufacturers that helps them become more efficient, productive and globally competitive. The AMC promotes economic development in Maine by connecting engineering faculty and students with businesses and industry. Within this role, the AMC also supports Maine MEP projects like PackGen. PackGen “made its claim to fame” by incorporating rigid materials with flexible materials to make lightweight, collapsible containers, according to John Lapoint, president of PackGen. The company serves niche markets worldwide, including those in the environmental, mining and refining industries. PackGen built all the machines needed for product manufacturing. But as the company grew and production volume increased, maintaining weld consistency container liner construction became increasingly difficult. AMC and PackGen connected through Lapoint’s brother, Alan, who owns the filtration business The Strainrite Companies, also based in Auburn and an AMC collaborator. PackGen partnered with AMC to design and build an improved, automated welding machine for making container liners. PackGen’s original process required two people and two separate machines, and was time-consuming. AMC’s redesign allows the same process to be conducted by one person, and produces more liners in less time. “What we were trying to do is improve the quality and reduce the labor. With this new piece of equipment, we’ve been able to achieve that,” says Lapoint. Besides increasing production capacity, the new machine also reduces physical strain on the operator by automating most of the process, allowing that employee to focus on inspection and quality control. In addition, the process now requires just one type of source material instead of two, the result of an improvement to the structural design of the liners. “The results were a completely configurable, interactive automation machine that reduced cycle time to 20 seconds, increased capacity and runs with one operator,” says Forest Wentworth, Maine MEP project manager at AMC. “The liner machine increased the available capacity for PackGen, allowing them to pursue more orders, increase profit and keep Maine folks employed.” The new machine was created in part by Bradley Denholm, an electrical engineering student at UMaine, who was responsible for designing and programming its control system. Denholm has been able to work on many projects for Maine businesses like PackGen, helping them improve contributions to the state’s economy while also gaining career experience before graduation. The machine AMC built has been at the Auburn facility since March. Already it has made a notable difference in production output. And it’s just the first step in an ongoing partnership. Lapoint says there are a number of benefits to working with UMaine. “I’m looking to hire, so seeing potential engineers working on a project gives me a chance to collaborate, see them in action, see their intellect, see their problem-solving skills, and so on.” PackGen is founded on a strong team atmosphere. So Lapoint looks to employ people who can keep that spirit alive. “We are a good company and we care. And so we want the same type of people working in this organization that care and have the right attitude,” Lapoint says. Another benefit of the PackGen-AMC partnership, according to Lapoint, is that it enables the company to stay competitive in a global market by solidifying its Maine roots and its connections to the state’s economy. The partnership, in turn, benefits UMaine. “It gives the university exposure to private industries that may be hard to reach otherwise through word-of-mouth,” says Wentworth. “At the same time, our students get a real-world engineering experience and can take pride in knowing this machine ultimately puts food on a lot of Maine folks’ tables by keeping them employed.” PackGen and AMC are continuing to work together on improving the liner machine efficiency and output, with a goal of increasing the machine’s run time capacity to cover a full shift on the floor. “What they’re working on has a lot of potential for us,” Lapoint says. Other individuals from UMaine involved in the project for PackGen were John Belding, AMC director; Allen Treadwell, AMC electrician; and students Ryann Lindsey, Dominic D’Angelo, Aaron Dalhman and Duncan Blanchard. Contact: Cleo Barker, 207.581.3729

## **Tyler-Ann Harris: Social work student interns with International Rescue Committee**

**21 Aug 2019**

Tyler-Ann Harris of Indian Island, Maine had the chance this summer to work with the International Rescue Committee in Sacramento, California as a Volunteer Coordination and In-Kind Donation Intern. “I have a passion for working with systems, particularly systems that are based in human sciences. Having a career of getting to make positive, lasting changes in people’s lives is the most rewarding path that I can think of,” she says. The social work major, who will graduate with a bachelor’s degree at the end of August, also is a member of the Penobscot Nation. “The IRC responds to the world’s worst humanitarian crises by helping to restore health, safety, education, economic well-being and power to people devastated by conflict and disaster. For over 80 years the organization has been assisting individuals in stabilizing, regaining control of their lives, and thriving in their new homes,” Harris says. “I interface with the Sacramento community to identify the best fit for their support of our services and beneficiaries.” Harris also has done significant work identifying systemic gaps and intervening with solutions for multiple IRC offices across northern California, and has adapted and created resources to streamline the onboarding and training processes for volunteers and interns. “Tyler-Ann’s enthusiasm, flexibility, and professionalism has provided critical support for our services at the IRC in Sacramento and Oakland. She is a self-starter who dives into challenges to develop accessible solutions. She has been an absolute joy to supervise and has truly had a lasting impact on our Volunteer and Donations programming,” says Missy! Orr, Community Engagement Manager at IRC. “My favorite part is being able to play a role within such an amazing organization and see the positive impact of my contributions,” she says. “I have been able to attend an Economic Empowerment Workshop that supported female clients in their journey towards self-sufficiency. Seeing a difference in our clients from before and after they work with us gives me a true sense of gratification.” At UMaine, Harris loves “the strong sense of community noticeable around campus. The fine education I received also was a highlight of mine. Students, professors, and other faculty support each other in the greatest extent possible while maintaining professional standards.” Outside the classroom, she enjoys hiking, and volunteering — her favorite projects have been with the Peace & Justice Center of Eastern Maine. After graduation, Harris hopes to gain experience working with different populations and eventually practice internationally. Contact: Cleo Barker, 207.581.3729

## **Emergency response training in Neville Hall Aug. 23**

**22 Aug 2019**

The University of Maine Police Department and Student Life staff will conduct Response to Active Shooter training in 101 Neville Hall on Friday, Aug. 23. The training will be conducted between 1–4 p.m. and will be confined to room 101. The active portion of the scenario-based class will include a small amount of simulated gunfire that will occur between 2–2:15 p.m. For more information, contact Lt. Robert Norman at the UMaine Police Department, 581.3408.

## **WABI covers ‘Meet the Black Bears’**

**22 Aug 2019**

[WABI](#) (Channel 5) covered the University of Maine’s annual “Meet the Black Bears” free youth clinic event at 6 p.m. Aug. 21. The event was held in the New Balance Field House, where children of all ages had the chance to meet UMaine football players and coaches, WABI reported. An outdoor showing of the movie “Coco,” originally scheduled to follow the clinic, was postponed to Sept. 3 due to inclement weather.

## **Times Record speaks with Humphrey for article on new pre-engineering course at Mt. Ararat High School**

**22 Aug 2019**

[The Times Record](#) quoted Dana Humphrey, a professor and dean of the College of Engineering at the University of Maine, in an article on a new pre-engineering course at Mt. Ararat High School in Topsham. The year-long course will feature hands-on projects and applications like those found in robotics, and is based on an introduction to engineering design course developed by Project Lead the Way, an organization that offers engineering curriculums and programs to schools, the article states. “Pre-engineering programs at the high school level are excellent,” said Humphrey. “It exposes students to what being an engineer is really like and gives them some base level skills, so it gives them a leg up when starting college in engineering and it helps encourage more students to pursue a career in engineering.” The course is open to students in grades 9–12 at Mt. Ararat, and the school expects to enroll 10–15 students this year, The Times Record reported. Students interested in the course can contact their school guidance counselor and reach out to John Stivers, 207.729.6622; [stivers@rl10tech.org](mailto:stivers@rl10tech.org), the article states.

## **Advertiser Democrat quotes Dill in third installment of tick series**

**22 Aug 2019**

The [Advertiser Democrat](#) quoted Griffin Dill, an integrated pest management professional and director of the Tick Lab with University of Maine Cooperative Extension, in the second part of its three-part series about tick identification, disease and encounter prevention. The article is titled “Ticked off: Managing habitat, reducing encounters.” A proactive approach to reducing the number of ticks in residential locations, Integrated Tick Management, involves self-protection and eradicating tick habitat, the article states. Recommendations include removing leaf litter and brush; moving children’s play areas away from yard edges and trees; mowing and raking frequently; completely eradicating invasive vegetation like Japanese barberry, honeysuckle and bittersweet; and deterring rodent and deer habitat. Tick management using predators as a biological control is a relatively new concept and is primarily in the research phase, according to Dill. “Guinea fowl and chickens are commonly thought to be effective in controlling ticks, though research indicates that their tick consumption is minimal,” he said. “The best defense is dressing appropriately in the field. Light-colored fabric, pants and long sleeve shirts are a good idea. Not because ticks don’t like light colors, but they show up better on light-colored clothing.”

## **Media report UMaine receives \$20M grant to learn about Maine’s aquatic ecosystems**



22 Aug 2019

The Associated Press, [Mainebiz](#), [Penobscot Bay Pilot](#) and [The Lincoln County News](#) reported the University of Maine and The Bigelow Laboratory for Ocean Sciences will use a \$20 million National Science Foundation grant to learn more about Maine's aquatic ecosystems. [Maine Public](#) interviewed Michael Kinnison, an associate professor of marine sciences at UMaine and the project's lead researcher, about the initiative. Maine Environmental DNA, or Maine-eDNA, is a five-year project that will analyze samples from Maine's waterways to look for genetic traces left behind by plants and animals, according to the reports. Kinnison told Maine Public that environmental DNA will be collected with forensic-like genetic tools. "And by capturing that DNA information that's available in those different sources, we can start to get a big picture of the types of organisms in those habitats, how they're interacting, and use that to hopefully improve our understanding and the sustainability of coastal systems, particularly here in Maine," said Kinnison. "Environmental DNA allows us to capture a snapshot of a community, or to even detect rare species, maybe endangered species, or invasive species that would be otherwise very difficult for us to track down and monitor directly." Advances in genetic sequencing technologies have allowed researchers to identify DNA at a more specific level that can enable researchers to create that big picture view of an ecosystem, according to Kinnison. And the project provides opportunities for citizen science, because almost anyone can collect a water sample. "Our hope really is that whether you're a school group going out to sample your local lake, or you're aquaculturists raising oysters, the data and samples that they collect can become ultimately combined," said Kinnison. "And by combining this resource from all these different groups, we can then really start engaging in big data analysis to ask questions about the stability and resilience across the whole coast of Maine." [Portland Press Herald](#), [U.S. News & World Report](#) and [Fosters.com](#) carried the AP report. [The Maine Edge](#) published a UMaine news release on the grant, and [The Ellsworth American](#) and [The Free Press](#) published a Bigelow Laboratory news release about the grant.

#### UMaine research project focuses on improving trust in autonomous vehicles using human-vehicle collaboration

23 Aug 2019

A \$500,000 National Science Foundation research grant to the University of Maine to study self-driving vehicles aims to make the transportation of the future more accessible, usable and trustworthy. The project, co-led by Nicholas Giudice and Richard Corey, who run and direct the VEMI Lab at the University of Maine, is designed to improve user trust of fully autonomous vehicles through a new study they call human-vehicle collaboration (HVC). The goal is to explore new ways of sharing how decisions are made and information is communicated between the human passenger and the artificial intelligence "driver," thereby addressing the key human factors of perceived loss of control over driving activities and fear of not "knowing" what the vehicle is doing during autonomous operation. Although the autonomous vehicle market is predicted to reach \$500 billion in the next five years, the majority of R&D has focused on the technical challenges of making these vehicles work well for our roads, Giudice says. Far less is known about the challenges of making these vehicles work well for the human user. Indeed, an annual AAA survey released in March found that 71 percent of people are afraid to ride in fully self-driving vehicles. HVC represents the science of identifying the best ways for people to interact with and partner with the vehicles of the future. "For the average end-user, autonomous vehicles offer new travel opportunities that are safer, more efficient and convenient," says Corey. They also have particular promise for people who cannot drive, such as older adults and those who are blind or have visual impairments. For these groups, autonomous vehicles present incredible, life-changing opportunities in terms of improving quality of life and independence. "Current vehicle designs have often overlooked passengers and their diverse needs, especially the very people who will benefit most from their release," says Giudice. This project seeks to extend the potential of autonomous vehicles to all users. Benefits from the personalized profiles and increased information-sharing processes developed by the team as part of the human-vehicle collaboration framework are expected to manifest during everyday driving events. From an otherwise inexplicable reroute on your way to work, to increased driving urgency during a medical emergency in the vehicle, the research project will introduce new ways for people to interact with autonomous vehicles, while also enabling adaptive features to meet the needs of each user. "HVC will enable increased understanding of what the vehicle is doing — and why," says Corey, which is predicted to significantly improve user trust, consumer acceptance, and overall usability of the fastest growing transportation of the future. According to Giudice, human-vehicle collaboration is an essential step in the "trust race" to ensure that autonomous vehicles are still able to meet our needs, even when we're not at the wheel ourselves. Contact: Margaret Nagle, 207.581.3745

#### Soil health workshops scheduled Sept. 3–5 around state

23 Aug 2019

The University of Maine Cooperative Extension, along with the Maine Grass Farmers Network, the Maine Organic Farmers and Gardeners Association (MOFGA), and Wolfe's Neck Center for Agriculture and the Environment will host three workshops to demonstrate the principles of soil health, and how livestock management can influence soil quality and the environment. As part of a Northeast Sustainable Agriculture Research and Education (SARE) project, "Identification and Remediation of Compaction on Northeast Pasture Soils," the New York Soil Health Trailer participates in field days across the Northeast to demonstrate to producers how improved soil health helps their operation by providing technical soil services and grazing management education. It is equipped with a rainfall simulator to demonstrate soil principles and show the impact of rainfall on infiltration and runoff. This event also will allow participants to evaluate soil compaction using various tools. Presentations by Fay Benson of Cornell Cooperative Extension Cortland County and Rick Kersbergen of UMaine Extension will cover preventing loss of nutrients and topsoil through soil erosion by strengthening soil aggregates, identifying compaction in soils, understanding how carbon is removed from the atmosphere and stored in soil, and improving the soil's ability to recycle and store nutrients. The workshops will be held at three locations on Maine dairy farms:

- 12:30–3 p.m. Sept. 3 at Wolfe's Neck Center for Agriculture and the Environment in Freeport
- 10:30 a.m.–12:30 p.m. Sept. 4 at Rainbow Valley Farm in Sidney
- 10:30 a.m.–12:30 p.m. Sept. 5 at Hardy Farm in Farmington

For more information or to request a reasonable accommodation contact 207.342.5971; [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

#### Ph.D. candidate, UMaine Extension cited in Franklin Journal article on Maine pollinators

23 Aug 2019

The University of Maine Cooperative Extension and data provided by a UMaine Ph.D. candidate were mentioned in [The Franklin Journal](#) article, "Maine pollinators need more flowers." Maine is home to 278 native species of pollinators, the article states. By some estimates, up to 40 percent of invertebrates including pollinators are at risk, according to Eric Venturini, a pollinator conservationist. "Populations of the yellow-banded bumblebee crashed hard in New England around 2009, 2010 and 2011," Venturini said. "But starting in 2013 we began to see it rebound. Today, a Ph.D. candidate studying bumblebees at the University of Maine, Kalyn Bickerman, estimates that yellow-banded bumblebees make up about 5 percent of the relative abundance of Maine's 17 bumblebee species." The Xerces Society, UMaine Extension and NRCS Maine have created a program for Maine growers to address red flag issues to pollinators and use practices to increase their habitat. The goal is to incorporate 7,600 acres of cropland in New England to pollinator-friendly practices, according to the report.

#### Gorham Times reports on tractor safety course

23 Aug 2019

[Gorham Times](#) reported the University of Maine Cooperative Extension offers five-part tractor safety courses every spring at locations throughout the state. In May, 15 youth, new farm workers and tractor owners successfully completed the federally certified course in Gorham. Participants learned about the risks of farm work and equipment operation, and basic maintenance skills. They also gained hands-on experience in safe tractor operation, and awareness of the prevalent hazards, according to the article. Youth ages 14 and 15 received certification to operate equipment on farms owned by nonrelatives, opening up new job opportunities for them, the article states.

#### Morning Ag Clips, Sun Journal advance soil health workshops

23 Aug 2019

[Morning Ag Clips](#) and [Sun Journal](#) published a University of Maine Cooperative Extension news release announcing soil health workshops around the state. UMaine Extension, along with the Maine Grass Farmers Network, the Maine Organic Farmers and Gardeners Association, and Wolfe's Neck Center for Agriculture and the Environment will host three workshops to demonstrate the principles of soil health, and how livestock management can influence soil quality and the environment. As part of a Northeast Sustainable Agriculture Research and Education (SARE) project, the New York Soil Health Trailer participates in field days across the Northeast to demonstrate to producers how improved soil health helps their operation by providing technical soil services and grazing management education. Presenters will include Fay Benson of Cornell Cooperative Extension Cortland County and Rick Kersbergen of UMaine Extension. The workshops will be held Sept. 3 at Wolfe's Neck Center for Agriculture and the Environment in Freeport, Sept. 4 at Rainbow Valley Farm in Sidney and Sept. 5 at Hardy Farm in Farmington.

#### Media cover Maine Farm Days

23 Aug 2019

[Morning Sentinel](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported on Maine Farm Days, a two-day agricultural fair at Misty Meadows Farm in Clinton. University of Maine Cooperative Extension in Kennebec County co-sponsors the event, which marked its

50th year. More than 70 agricultural vendors attended the event, according to WABI. New this year was a demonstration of robotic milking technology, media reported. Along with the practical knowledge provided by UMaine Extension and other agencies, the corn maze, milking contest and whoopie pie and blueberry pie contests are all part of what Farm Days has to offer, the Morning Sentinel article states. [Portland Press Herald](#) published the Morning Sentinel report.

## Researchers use DNA in seawater to monitor scallop reproduction

23 Aug 2019

Researchers from the University of Maine and Bigelow Laboratory for Ocean Sciences have developed a method for studying the timing of scallop spawning by analyzing the environmental DNA found in water samples. The newly published [study](#) provides a tool for managing wild and farmed shellfish populations, and it demonstrates the promise of emerging eDNA approaches for monitoring the presence and activities of all marine life. “Knowing when and where marine organisms spawn is important to understanding their population growth and lifecycle. Usually, monitoring spawning events in marine invertebrates, including sea scallops, can be a difficult task, so being able to track these events by sampling seawater could be hugely beneficial for marine species management and conservation practices,” says lead author Skylar Bayer, a UMaine graduate who is now a postdoctoral research associate at NOAA’s Northeast Fisheries Science Center’s Milford Laboratory in Connecticut. Many marine organisms are broadcast spawners, meaning that to reproduce, they release tiny reproductive cells, sperm and eggs, or gametes, into the water. Detection in real time of these releases, or spawning events, is difficult, and it is nearly impossible to trace the gametes in water samples back to the species that released them using traditional microscopy methods, according to the researchers. The DNA-based quantitative polymerase chain reaction (PCR) approaches used in the project avoided the historical hurdles by analyzing seawater samples for segments of DNA specific to the Atlantic sea scallop, *Placopecten magellanicus*. This allowed the researchers to acquire data about the presence and magnitude of spawning events. “Quantitative PCR is an incredibly sensitive method that lets us detect specific organisms, even when there might be just a few copies of their genes in a water sample,” says Pete Countway, a senior research scientist at Bigelow Laboratory and a co-author of the study. “It’s very exciting because this same approach could be applied to virtually any broadcast spawner.” Countway specializes in using molecular and genomic techniques to study the ecology of microscopic marine life, and the project applied those methods from microbiology to larger, commercially valuable species. The work built on two decades of research into the reproductive ecology of broadcast spawners by co-author Rick Wahle, a research professor in the School of Marine Sciences and director of the Lobster Institute at UMaine. “This project is a first; it now demonstrates the possibility of understanding spawning events in populations of broadcast spawners — including clams, corals and codfish — in nearly real time, a task that has historically taken weeks to assess with great effort, and only in hindsight,” Wahle says. “Developing an eDNA toolkit to quantify broadcast spawning events of the sea scallop *Placopecten magellanicus*: moving beyond fertilization assays” was published in the journal [Marine Ecology Progress Series](#) (MEPS). Funding for the research came from two Maine Sea Grant program development grants, a UMaine Janet Waldron Doctoral Research Fellowship, a National Science Foundation grant, and Bigelow Laboratory for Ocean Sciences. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## Parking, road closure information for Maine Hello, Aug. 30

26 Aug 2019

During Maine Hello, 7:30 a.m.–3 p.m. Friday, Aug. 30, about 2,100 new students will arrive on campus to move into their residence halls for the academic year. A football game also will be held in the evening, with tailgating beginning at 3 p.m. High levels of traffic are expected on campus and through downtown Orono and Old Town. UMaine employees are encouraged to avoid Long Road and that area of campus while driving to and from work Aug. 30. To accommodate the events, several parking lots and roads will be closed Aug. 28–30. The following parking areas will be closed Wednesday, Aug. 28 through Friday, Aug. 30:

- Hilltop Lot
- Knox Hall Lot
- Somerset Hall Lot

The following parking areas will be closed Thursday, Aug. 29 and Friday, Aug. 30:

- Tennis Court Lot
- Jenness Lot North and South
- Gannett/Cutler Lot
- York Lot behind York Hall
- Deering Lot (partially closed)
- Stewart Quad parking areas
- Dunn Hall and Corbett Hall lots (closed Aug. 30 for tailgating)

The following parking areas will have limited access:

- Emera Astronomy Center Lot, reserved for Hilltop employees only, Aug. 28–30
- New Balance Recreation Center Lot, open only to Rec Center patrons, Maine Hello volunteers, and Hilltop employees who need handicap parking, Aug. 29–30
- Belgrade Lot and Collins Center for the Arts Lot, reserved for Maine Hello vehicles only, Aug. 30

Road closures and traffic pattern changes on Friday, Aug. 30:

- Long Road between Androscoggin Road and Knox Lot, closed both ways until 3 p.m.
- Flagstaff Road from Long Road, one-way flow southbound across Flagstaff Road
- Belgrade Road from Rangeley Road, one-way flow westbound across Belgrade Road
- Square Road in front of York Hall and York Lot, one-way flow westbound
- Long Road before Gym Drive closed 3–6 p.m. for tailgating
- Long Road from College Avenue to Alford Arena closed 3–6 p.m. for tailgating

For more information, call Parking Services at 581.4047.

## Phys.org carries UMaine release on scallop reproduction research using eDNA

26 Aug 2019

[Phys.org](#) carried a University of Maine news release about a new study focused on a method developed by researchers from UMaine and Bigelow Laboratory for Ocean Sciences to study the timing of scallop spawning by analyzing environmental DNA found in water samples. The study provides a tool for managing wild and farmed shellfish populations, and demonstrates the promise of emerging eDNA approaches for monitoring the presence and activities of all marine life, the release states.

## Morning Ag Clips advances wild blueberry grower meeting Sept. 24

26 Aug 2019

[Morning Ag Clips](#) and the [Advertiser Democrat](#) advanced a meeting for commercial wild blueberry growers, hosted by University of Maine Cooperative Extension Oxford County from 10 a.m.–noon Sept. 24 in Otisfield. Lily Calderwood, Extension wild blueberry specialist, will discuss pest identification and integrated pest management techniques, as well as berry quality, value-added markets and more, the article states. Growers will have a chance to network, and light refreshments will be provided at the meeting, which is open to anyone involved in or considering commercial wild blueberry production. To register, for more information or to request a reasonable accommodation, call 743.6329 or email [extension.oxford@maine.edu](mailto:extension.oxford@maine.edu).

## Mainebiz reports UMaine receives \$100K to build lab to host world’s largest 3D printer

26 Aug 2019

[Mainebiz](#) reported the University of Maine is among 10 institutions that have received \$100,000 each from the U.S. Forest Service to research and construct a mass timber building on their campuses. UMaine will use the funding to support construction of the Mass Timber Commercialization Center, an addition to the Advanced Structures and Composites Center. The addition will host the world's largest 3D printer, as well as highlight the variety of potential uses for mass timber, the article states.

#### **Working Waterfront speaks with Allen about her Gulf of Maine temperature research**

**26 Aug 2019**

[The Working Waterfront](#) spoke with Katherine Allen, an assistant professor in the School of Earth and Climate Sciences and Climate Change Institute at the University of Maine, about a five-year study she will lead focused on temperature change in the Gulf of Maine. Allen has received a more than \$584,000 National Science Foundation CAREER Award to study temperature trends and variability during the past 11,000 years in the Gulf of Maine, with the goal of enhancing long-term environmental prediction and planning, the article states. "We aim to provide longer-term context for the recent warming observed in the Gulf of Maine," said Allen. "The work will provide a new perspective on how conditions here are linked to processes in the greater North Atlantic on long time scales. Because the Gulf of Maine is so sensitive to changes in circulation, it's a great place to investigate past changes in the ocean-climate system." Allen will lead a team of researchers and Native American students from New England on a 10-day expedition to collect plankton and ancient marine sediment cores for analysis from the body of water that has warmed faster than most of the world's oceans. The project involves a close partnership with UMaine's Wabanaki Youth in Science (WaYS) program that will help build a team of high school, undergraduate and graduate students, according to the article. The team's mentors will include UMaine faculty members Bonnie Newsom, assistant professor of anthropology, and Huijie Xue, professor of marine sciences. The students also will collaborate with UMaine's New Media program to develop communication skills and ultimately share their findings online and in schools, the article states.

#### **AP reports UMaine to receive NASA grant to study forest health**

**26 Aug 2019**

The Associated Press reported the University of Maine will receive a nearly \$750,000 grant from the National Aeronautic and Space Administration to study the quality, health and value of forestland in Maine. The three-year project is led by Parinaz Rahimzadeh, an assistant professor of remote sensing of natural resources at UMaine, and is expected to provide information on the composition of Maine's forest and on damage caused by recent outbreaks of pests and pathogens, the report states. [U.S. News & World Report](#), [Bangor Daily News](#), [Portland Press Herald](#), [Kennebec Journal and Morning Sentinel](#), [WABI](#) (Channel 5), [Seacoast Online](#), [Penobscot Times](#), [Reading Eagle](#) and [San Francisco Chronicle](#) carried the AP report.

#### **Researchers to reconstruct Holocene climate change in Southern Hemisphere**

**26 Aug 2019**

To understand industrial-age glacier recession and climate warming in New Zealand, an international research team led by the University of Maine will document the past 10,000 years of natural variations by studying the moraines of retreating glaciers and rings of temperature-sensitive trees in the Southern Hemisphere. The data will allow researchers to compare the Holocene-era glacier and climate changes in the Southern Alps of New Zealand and the European Alps — mountain ranges on opposite sides of the planet. The goal is to understand natural climate drivers, and whether documented climatic anomalies of the Northern Hemisphere were regional or global in scope. The three-year collaborative research project, funded by a nearly \$637,000 award from the National Science Foundation, is led by Aaron Putnam, UMaine assistant professor of Earth sciences. Putnam studies how interactions among Earth's surface, atmosphere, cryosphere and oceans produce glacial cycles and abrupt climate change. Past natural variations in the climate system in the Northern Hemisphere, including the cold periods of the Dark Ages, and warm periods in Medieval and Roman times, are well known. What is not clear is whether these periods were regional or global climatic anomalies that occurred in both the Northern and Southern Hemispheres. The answer has implications for understanding the underlying drivers of natural climate variability, and for determining whether industrial-age warming has exceeded the limits of climate variability seen in the past 10,000 years, according to the researchers. In New Zealand's Southern Alps, the research team will use the latest in cosmogenic nuclide technology (Be-10 in rocks and C-14 in organic materials) to date glacial landforms and recently deglaciated organic remains to establish accurate timelines of glacier changes during and prior to the period of recorded observations. In addition, scientists will study the tree rings of South Island silver pines to document climatic fluctuations on annual timescales. The Holocene chronologies will be used together to develop a comprehensive record of past temperature variation in the Southern Hemisphere for comparison to records in the Northern Hemisphere. The temperature reconstruction from the Southern Alps also will provide a key metric for evaluating global climate and Earth-system models developed by the National Oceanic and Atmospheric Administration Geophysical Fluid Dynamics Laboratory, some of which are now being used for forecasting by the National Weather Service. Co-principal investigators on the project are George Denton, UMaine Libra Professor of Geological Sciences, who specializes in geological history of large ice sheets and smaller mountain glaciers; Joellen Russell, professor of biogeochemical dynamics and a global climate modeler at the University of Arizona; and Joerg Schaefer, research professor and head of the cosmogenic nuclide lab at Lamont-Doherty Earth Observatory of Columbia University. Additional collaborators include David Barrell from GNS Science of Dunedin, New Zealand; tree ring scientists Edward Cook of Lamont-Doherty Earth Observatory and Jonathan Palmer of the University of New South Wales; and glacier modelers Andrew Mackintosh of Monash University in Melbourne, Australia and Brian Anderson of University of Victoria Wellington. Embedded with the team each field season will be a graduate student of science journalism from the Medill School of Journalism at Northwestern University, and UMaine undergraduate and graduate student researchers. Contact: Margaret Nagle, 207.581.3745

#### **Ten students enroll at UMaine in new Pathways to NROTC program**

**26 Aug 2019**

Ten first-year students from five states are enrolled at the University of Maine this fall in the new Pathways to NROTC program. The students from California, Georgia, Virginia, New York and Massachusetts were selected from among 77 applicants nationwide for their academic qualifications, demonstrated leadership, and interest in pursuing degrees in science, technology, engineering and mathematics (STEM) fields. The applicants were members of their high schools' Navy Junior Reserve Officers Training Corps and will be involved in UMaine's Naval Reserve Officers Training Corps (NROTC) to become commissioned officers. At UMaine, the 10 Pathways students will participate in naval science training, along with 12 other incoming midshipmen and 13 upperclass midshipmen in NROTC. Recruiting talented students interested in STEM education is important for the U.S. Navy, according to Capt. Michael Flanagan, an assistant professor in NROTC, which serves UMaine, Husson and Maine Maritime Academy. So, too, is increasing diversity among recruits. "These young men and women competed at the national level to get into UMaine and this program," Flanagan says. "They are passionate about their educations and the opportunity to follow on as commissioned officers. They have a drive to put themselves through college and their level of motivation is high." UMaine is one of 14 colleges and universities nationwide to offer an NROTC pathways program. The initiative is supported by the UMaine the College of Liberal Arts and Sciences Advising & Academic Services Center in collaboration with the College of Engineering, and the College of Natural Sciences, Forestry, and Agriculture. In their first year, the students receive full scholarships, including room and board, provided by UMaine. On successful completion of their first year, and meeting all other requirements, they will receive NROTC scholarships for years two through five, culminating in commissions in the Navy. "We are very excited about this collaboration with the Naval ROTC. The Navy is looking to cultivate a diverse group of STEM educated students to serve in the next generation of Naval officers and UMaine is playing an important role in this initiative," says Jeff Hecker, UMaine Provost. Contact: Margaret Nagle, 207.581.3745

#### **University of Maine Hutchinson Center hosts 'Hanging by a Thread' exhibit**

**27 Aug 2019**

More than 50 works by Maine fiber artists will be featured in the exhibit "Hanging by a Thread," Sept. 6–Nov. 22 in the H. Allen and Sally Fernald Art Gallery at the University of Maine Hutchinson Center in Belfast. Works demonstrating techniques and forms will include wall hangings, wearable art and vessels. Artists represented in the show include Kathleen Bird, Laurie Brooks, Barbara Burns, Sandi Cirillo, John Clark, Stephanie Crossman, Bette Edl, Kathleen Goddu, Sara Hotchkiss, Natasha Kempers-Cullen, Allegra Kuhn, Alice Lee, Susan Mills, Arlene Morris, Leanne Nickon, Jeanne Seronde Perkins, Linda Perkins, Jude Spacks, Joanne Swift and Peter Walls. An opening reception will be held 5:30–7 p.m. Sept. 6. The reception and exhibit are free and open to the public. The H. Allen and Sally Fernald Art Gallery is open 8 a.m.–7 p.m. Monday through Friday. For more information or to request a reasonable accommodation, contact Nancy Bergerson, 207.338.8049. Additional information about the Hutchinson Center is [online](#).

#### **Company founded at UMaine to attend international tech startup conference, media report**

**27 Aug 2019**

The [Portland Press Herald](#) and [Mainebiz](#) reported KinoTek, a startup founded at the University of Maine, will be one of eight Maine companies attending an international tech startup conference, TechCrunch Disrupt, in San Francisco in October. KinoTek, founded by recent UMaine kinesiology and psychology graduate Justin Hafner, uses virtual reality and motion capture technology to improve athletic output and reduce the chance of injury. The companies are being sent to the conference by Startup Maine, a nonprofit that advocates for entrepreneurship, and will exhibit together in a Maine pavilion to highlight the state's entrepreneurial ecosystem, the articles state. KinoTek and the others will have the opportunity to meet venture capitalists, investors, founders and other entrepreneurs, the Press Herald reported. [Kennebec Journal and Morning Sentinel](#) carried the Press Herald article.

#### **WVH interviews Corey, student at VEMI Lab about autonomous vehicle, human collaboration research**

**27 Aug 2019**



[WV7](#) (Channel 7) interviewed Richard Corey, director of operations at the University of Maine's Virtual Environment and Multimodal Interaction Laboratory (VEMI Lab), and Paul Fink, a graduate research assistant at the lab, about an upcoming research project focused on interactions between autonomous vehicles and their human passengers. "We're looking at what they call level five autonomy. And that is fully self-driving, no steering wheels, get in the car, sit down, tell it where you're going and there you go," said Corey. The project has been awarded a \$500,000 National Science Foundation grant to study what Corey calls "human-vehicle collaboration," or how information is communicated between the human passenger and the artificial intelligent driver, WV7 reported. "Over 70 percent of people have reported such grave distrust in this technology that they're scared to even get in the vehicle. So we think looking at all these interactions and communications with the vehicle and exposing this decision space are really the first steps towards addressing the trust problem in autonomous vehicles," said Fink. "I think it's incredibly important to have students at the forefront of this kind of development, especially when we're not thinking about it strictly in ways that are purely about the technical development because that way we can bring students from all different backgrounds to work on this." The current step in the project is creating a virtual reality simulator to test what a fully autonomous car would be like, with the overall research goal of proving to the public that self-driving cars are trustworthy, WV7 reported. [The Maine Edge](#) published a UMaine news release on the project.

## **NSF grant awarded to develop framework to harness forest ecosystem integrity, resilience data**

**27 Aug 2019**

Compiling data to better assess, understand and forecast complex forest landscape changes is the goal of a four-year, multidisciplinary regional project led by the University of Maine. The project was awarded \$6 million from the National Science Foundation, with \$3 million contingent on project progress and availability of funds. It will bring together expertise and facilities from UMaine, the University of New Hampshire, and the University of Vermont to build a digital framework that integrates, analyzes and visualizes complex data streams across the region's vast forest. "Forests are changing rapidly, while the technology to better monitor them is, too," says Aaron Weiskittel, professor of forest biometrics and modeling and Irving Chair of Forest Ecosystem Management at UMaine, who is leading the project. "I hope this project can help support and sustain northern New England's unique working forests, which many rural communities rely on for their livelihoods." Forests are an economically important and ecologically critical component of New England's working landscape. Local and regional communities depend on the health of the forest ecosystems to support biodiversity, conservation, recreation and a forest-based workforce. The region's forests are dynamic and diverse due to complex factors, including changing environmental conditions; varying management objectives related to mixed land ownership; and natural disturbances, such as a pending spruce budworm outbreak. Despite advances in technology and the better acquisition of forest-related information, critical near real-time and high-resolution data on forest health or tree species composition remains highly varied, inconsistently available, and relatively coarse in resolution, such as annual estimates at a county level, according to the researchers. "Forests, particularly in New England, are complex and highly dynamic due to a number of factors. Traditional ground-based forest inventory data is expensive to collect and often out of date. Satellites and other advanced technologies offer numerous advantages, but translating that data into useful information is not an easy task," says Weiskittel, who also directs the Center for Research on Sustainable Forests (CRSF) at UMaine. The project will build on expertise and facilities across the three universities to integrate emerging computational, monitoring, remote sensing and visualization technologies into a digital framework. The framework will create a natural laboratory for scientific experimentation by providing comprehensive spatial and temporal measurements of the forest that can be readily accessed by scientists, land managers and policymakers. "Leveraging Intelligent Informatics and Smart Data for Improved Understanding of Northern Forest Ecosystem Resiliency (INSPIRES)" also aims to strengthen workforce development and broaden participation in STEM education, particularly among students with diverse backgrounds, skills and interests. INSPIRES will draw from a variety of established programs and disciplines, including data science, ecology, electrical engineering, computer programming and communications. Faculty and students from the three institutions will collaborate on the development of a virtual, regional Complex Systems Research Institute that will facilitate ongoing analysis of natural ecosystem integrity and resilience from multiple scientific perspectives. The institute will include large-scale simulations from alternative futures such as climate variability, atmospheric pollution, land use and changes in regulatory policies. More information about the project, which aligns with the University of Maine System "[Research and Development Plan](#)," is on the CRSF [website](#). Other UMaine researchers involved in the project include Kate Beard-Tisdale, professor of spatial information science and engineering; and Ali Abedi, electrical engineering professor, assistant vice president for research, and director of the Center for Undergraduate Research. Scott Ollinger, professor of natural resources and the environment at the University of New Hampshire; and Anthony D'Amato, professor silviculture and applied forest ecology at the University of Vermont, also are co-principal investigators. Funding for the project comes from the [National Science Foundation](#)'s EPSCoR Research Infrastructure Improvement program. The Established Program to Stimulate Competitive Research (EPSCoR) is designed to fulfill the mandate of NSF to promote scientific progress nationwide. The program's Track-2 Focused EPSCoR Collaborations (RII Track-2 FEC) build interjurisdictional collaborative teams of EPSCoR investigators in scientific focus areas consistent with NSF priorities. The STEM research and education activities seek to broaden participation through the strategic inclusion and integration of different types of individuals, institutions and sectors throughout the project. More about the EPSCoR Research Infrastructure Improvement program is [online](#). Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## **Field Day at Rogers Farm includes hops demonstration garden**

**28 Aug 2019**

The University of Maine Cooperative Extension Master Gardener Volunteers program will host its annual Field Day 10 a.m.–1 p.m. Sept. 7 at Rogers Farm demonstration garden in Old Town. Activities include workshops, a new backyard hops demonstration garden, botanical crafts, Maine-grown melon taste tests, a book walk, expert tips on growing peppers and butterfly gardens, door prizes and more. The family-friendly event is free and open to the public, rain or shine. No registration is required. For more information or to request a reasonable accommodation, contact Kate Garland, [katherine.garland@maine.edu](mailto:katherine.garland@maine.edu); 942.7396. More information also is [online](#).

## **WABI reports on new Pathways to NROTC program**

**28 Aug 2019**

[WABI](#) (Channel 5) reported 10 first-year students from five states are enrolled at the University of Maine this fall in the new Pathways to NROTC program. The students were selected for their academic qualifications, leadership qualities, and interest in pursuing science and engineering fields, according to the report. The applicants were members of their high schools' Navy Junior Reserve Officers Training Corps and will be involved in UMaine's Naval Reserve Officers Training Corps (NROTC) to become commissioned officers. In their first year, the students receive full scholarships, including room and board, provided by UMaine. On successful completion of their first year, and meeting all other requirements, they will receive NROTC scholarships for years two through five. "That the university made a statement to say, 'We're not just pro military, we're going to put our money — so to say — where our mouth is.' So they took a calculated and well-weighted decision and risk in this, and we're very hopeful and confident that it's going to pay big dividends," said Capt. Michael Flanagan, an assistant professor in NROTC, which serves UMaine, Husson and Maine Maritime Academy. A number of media outlets, including [U.S. News & World Report](#), the [Waco Tribune-Herald](#), [The Times Record](#) and the [Bangor Daily News](#), ran an [Associated Press](#) story that referenced WABI's story.

## **Media report on \$6M NSF grant awarded to compile forest ecosystem data**

**28 Aug 2019**

[Portland Press Herald](#), [Mainebiz](#) and [WAGM](#) (Channel 8 in Presque Isle) reported the University of Maine has been awarded \$6 million from the National Science Foundation to compile data to better assess, understand and forecast complex forest landscape changes. The project will bring together expertise and facilities from UMaine, the University of New Hampshire, and the University of Vermont to build a digital framework that integrates, analyzes and visualizes complex forest data streams across the region. "Forests are changing rapidly, while the technology to better monitor them is, too," says Aaron Weiskittel, professor of forest biometrics and modeling and Irving Chair of Forest Ecosystem Management at UMaine, who is leading the project. "I hope this project can help support and sustain northern New England's unique working forests, which many rural communities rely on for their livelihoods." U.S. Sens. Susan Collins and Angus King also announced the grant in a [news release](#). "Maine's forests are a vital contributor to our state's economy, particularly in rural communities, and that's why it's so important that we continue to find new opportunities to support and sustain this plentiful natural resource," the senators said in a joint statement. "The research done by the University of Maine's faculty and students has already helped create new, sustainable uses that boost our economy and conserve our forests. This grant will modernize their important work, improve the data collection process and provide comprehensive, near real-time information to ensure that both our forest products industry and our forest ecosystems will continue to support good-paying Maine jobs."

## **WABI, WV7 cover Early College orientation for high school students**

**28 Aug 2019**

[WABI](#) (Channel 5) and [WV7](#) (Channel 7) covered Early College orientation at the University of Maine. More than 300 high school students from 120 schools are getting a head start on higher education at UMaine this fall, WABI reported. Through a partnership between the Maine Department of Education and UMaine, tuition is waived for all qualified high school students in the state to cover full tuition for up to six credits per semester and 12 college credits per year. "I just talked to a student who is going to study microeconomics, and another one who is taking pre-calculus. They can do some things that might be new to them to help them think about what their future could look like through higher education," said UMaine President Joan Ferrini-Mundy. Orientation included a guided tour for students and their parents, as well as the opportunity to meet professors, the report states.

## **Study finds online salsa recipes for home canning lacking food safety standards**

**28 Aug 2019**

Homemade salsa recipes are abundant on food blogs, but the majority of them fail to follow USDA home canning guidelines and are a cause of food safety concern, according to a new University of Maine study. In the study, "Adherence of Food Blog Salsa Recipes to Home Canning Guidelines," UMaine Extension professor Kathy Savoie and Jen Perry, an assistant professor of food microbiology, examined 56 recipes for home canning of salsa from 43 food blogs. They found that in 70 percent of the recipes, USDA home

canning guidelines were not included in four categories: acidification, thermal processing, contaminants and vacuum sealing. Of the blogs evaluated for this study, the number of Facebook followers ranged from 719 to 3.2 million. “Traditionally, salsas are mixtures of low-acid foods, such as onions and peppers, with acidic foods, such as tomatoes. Depending on ingredient ratios, the natural acidity of salsa mixtures may not be high enough to safely process in a boiling water bath, which is still the most common method for canning in American homes,” says Savoie, who has been providing home food preservation education since 1996. Historically, home-canned vegetables have been the most common cause of botulism outbreaks in the United States. Two recent botulism outbreaks in 2015 and 2018 in the United States involving improperly home canned foods demonstrate that this risk continues, as well as the need for continued education to those who want to preserve foods at home, Savoie says. In the recipes posted on the blogs, analysis of acidification volume to tomato volume revealed that 12 (21 percent) of the 56 recipes failed to meet the minimum USDA acidification guidelines for tomato volume. In addition:

- Five recipes (9 percent) actually contained sufficient quantities of acid to account for the volume of vegetables used.
- Fourteen percent of the recipes provided information regarding necessary adjustments for altitude.
- Although more than half of recipes (34, or nearly 61 percent) correctly specified the length of time to process jars in a boiling water bath, only 10 (29 percent) of these indicated that processing time should start after a rolling boil is achieved, representing a critical risk of under-processing.
- Four (7 percent) of the 56 recipes reviewed provided correct information on all of the following three measures: total processing time, when to start processing time and altitude adjustment.
- Eight (14 percent) specified the correct type and strength of acid(s) to ensure safety.
- The mean acidification ratio across all recipes in this study was 0.94 tablespoons per cup of peppers and onions — less than half the recommended level to ensure safety during extended anaerobic storage.

To ensure the food safety of canned homemade salsa, the UMaine researchers recommend accessing resources from USDA, UMaine Extension and the National Center for Home Food Preservation to know the latest techniques and guidelines to safely preserve foods at home. Those doing home canning should use recipes that have been tested to ensure that the salsa is properly acidified to ensure safety. And when searching for recipes online, look for science-based information by typing site:.edu at the end of your query term. This will help to direct your search towards educational institutions. You can use the same strategy and to search for government information, ending your query with site:.gov. (For example: “canning salsa site:.edu”) University of Maine Cooperative Extension publications include the [“USDA Complete Guide to Home Canning”](#) and [“So Easy to Preserve”](#); and the National Center for Home Food Preservation [salsa recipes](#). UMaine Extension also offers [workshops](#) in home canning and food safety. Contact: Kathy Savoie, [ksavoie@maine.edu](mailto:ksavoie@maine.edu)

## **Medical Xpress publishes release on home canning salsa, food safety**

**29 Aug 2019**

[Medical Xpress](#) published a University of Maine news release about a new study that found a majority of online recipes for home canning salsa lack adequate food safety standards. The study, led by University of Maine Cooperative Extension professor Kathy Savoie and Jen Perry, an assistant professor of food microbiology, examined 56 recipes for home canning salsa from 43 food blogs. They found that in 70 percent of the recipes, USDA home canning guidelines were not included in four categories: acidification, thermal processing, contaminants and vacuum sealing, according to the release. To ensure the food safety of canned homemade salsa, the researchers recommend accessing resources from the USDA, UMaine Extension and National Center for Home Food Preservation for the latest techniques and guidelines, and to use recipes that have been tested to ensure safety, the release states. [TekCrispy](#) mentioned the study in its piece “Las recetas para salsas enlatadas en casa son riesgosas para la salud,” or “Recipes for home-canned salsas are risky for health.”

## **Ellsworth American speaks with Yarborough for report on blueberries, August weather**

**29 Aug 2019**

[The Ellsworth American](#) spoke with David Yarborough, emeritus wild blueberry specialist with the University of Maine, for an article about August weather and blueberries. The predicted yield is up from forecasts earlier in the season, partially due to cooler temperatures and thunderstorms, according to Yarborough. Last year, wild blueberry growers raised “an unusually small crop,” Yarborough said, with a freeze in June as the biggest factor in the low yield. This past winter, many plants experienced winter kill, when stems freeze and die, killing existing buds and preventing the production of new ones, according to the article. “If those buds get killed, no buds. You’ve killed the reproductivity of the plant,” said Yarborough. And the growing season had a slow start due to cold, rainy weather in the spring, which made pollinators less efficient. Yarborough said this means blueberries will be smaller than usual. The harvest started about a week later than usual this year, and is predicted to run a little later than usual too, according to the article. Yarborough said prices appear to be increasing, with growers getting about 46 cents per pound, up from 26 cents per pound last year. But overall prices are still speculative. “It really depends on how many berries are produced in Canada as well,” he said. “Nobody really knows what [the price] is going to be until they get a check in the mail.”

## **Caleigh Charlebois: Zoology student researches DNA inheritance through internship at The Jackson Laboratory**

**30 Aug 2019**

Caleigh Charlebois of South China, Maine spent her summer at The Jackson Laboratory in Bar Harbor, researching variation in mechanisms of DNA inheritance. “I am fascinated by the way that the tiny machineries of life lead to bigger machineries, and the implications of that on an organismal level,” says Charlebois, a zoology major who also plans to declare a technical writing minor. “I think technical writing will prepare me to read and write about big ideas in my field in the future,” she says. The rising junior was an intern in the Summer Student Program working full time on an independent project at the lab. Using the programming language R, she identified repetitive DNA sequences that vary between different species and strains of mice, and then confirmed the presence of repetitive elements in samples of mouse DNA using wet lab techniques. She and the other interns also participated in group activities in the evenings and on weekends. “I have had the rare chance to experience a high level of independence and trust in this professional environment and also enjoy the beautiful hikes and views of Mount Desert Island,” Charlebois says. “And I am really looking forward to the final poster presentation, because it will give me the chance to reflect on and share my work and become a resource for my portfolio in the future.” Outside of the classroom, Charlebois is a musician — she plays ukulele, ukelin, piano and guitar, and dabbles in composition and digital music production. She also enjoys visual arts and crafts, like sewing and knitting. “I really appreciate all of the interesting people and opportunities you can find at UMaine if you make an effort,” says Charlebois. Contact: Cleo Barker, 207.581.3729

## **Six faculty awarded inaugural Biomedical Science Accelerator Fund grants**

**03 Sep 2019**

The College of Natural Sciences, Forestry, and Agriculture has awarded its inaugural Biomedical Science Accelerator Fund grants. Early-career faculty are currently the largest segment of faculty in the college. Recognizing the enthusiasm and vibrancy these individuals bring to campus, the college established the Biomedical Sciences Accelerator Fund to support faculty research projects that, in turn, will generate the data necessary for highly competitive external funding programs. The goal is for startup funding to lay the groundwork for larger projects in biomedical sciences. The fund, made possible by a gift from alumna C. Ann Merrifield, supports mid-career faculty with established research programs who may need bridge funding between grants. It also requires researchers to share the results of their work with non-scientists following the project’s completion. To learn more or to support the fund, which is part of the UMaine Vision for Tomorrow comprehensive campaign, contact the University of Maine Foundation. The initial projects will take place over a two year period. The 2019 awardees are:

- Melissa Maginnis and Benjamin King of the Department of Molecular and Biomedical Sciences: “Defining cell-type specific differences in transcriptional regulation of viral infection,” \$30,000, to characterize how the JC polyomavirus, which infects the kidneys of up to 80 percent of the population with little effect, develops into an active infection in the central nervous system of some immunocompromised individuals.
- Melody Neely and Sally Molloy of the Department of Molecular and Biomedical Sciences: “Investigation of the role of bacteriophages in *Streptococcus agalactiae* virulence,” \$30,000, to identify the genetic markers that affect the virulence of Group B streptococcus, the bacteria that colonizes about 25 percent of the adult population and can develop into a fatal infection in immunocompromised individuals, especially pregnant women and their developing babies. Similar studies that identify virulence mechanisms are often an early step in developing treatments and vaccines for pathogens like Group B streptococcus.
- Rob Wheeler and Melody Neely of the Department of Molecular and Biomedical Sciences: “Polymicrobial virulence and treatment: using zebrafish to untangle a tri-kingdom dialog,” \$35,000 for a graduate student who will study the co-infection mechanisms of common hospital-acquired pathogens in zebrafish — the first study of its kind to examine polymicrobial infections and antimicrobial resistance in living organisms.
- Kristy Townsend of the School of Biology and Ecology: “Graduate Student Recruitment to Translate Basic Biology to NIH-funded Human Health Research,” \$17,000, partial support for a graduate student who will collect pilot data to determine if a novel stem cell marker found in mice that also is present in human brains. If the markers are present, this will open the door to applying previously conducted basic research to treating or preventing human neurodegenerative conditions.

Contact: Erin Miller, 207.581.3204

## **Faison named UMaine deputy director of athletics**

**03 Sep 2019**

Brian Faison has been named University of Maine deputy director of athletics, effective Sept. 6. Faison brings over 40 years of collegiate athletics experience, particularly in fundraising, marketing, media relations and administration. Faison, who has been involved in all areas of senior management, spent 10 years as the director of athletics at the University of North Dakota after a five-year stint as director of athletics at New Mexico State and seven years as director of athletics at Indiana State University. "I am excited to be joining the Black Bear family as Deputy Director of Athletics," Faison said. "I have worked with Ken Ralph for over 10 years on a variety of different projects in our roles as athletic directors and I am honored to have been given this opportunity to continue that relationship." Faison, the 2016–17 Under Armour Football Championship Subdivision Athletic Director of the Year, graduated from the University of Missouri-Columbia in 1972. "To attract a professional with Brian's experience and skill set is a huge win for UMaine Athletics," said University of Maine Director of Athletics Ken Ralph. "Brian will be a great mentor for our staff while also bringing important perspectives to the table regarding finances, facilities and game experience." A Department of Athletics news release about the appointment is [online](#).

#### **Celebrate pollinators Sept. 7 at Tidewater Farm**

**03 Sep 2019**

University of Maine Cooperative Extension and Falmouth Land Trust will host a pollinator day 2–4 p.m. Saturday, Sept. 7, at the University of Maine Gardens at Tidewater Farm, Farm Gate Road, Falmouth. This free, public event features hands-on activities focused on the vital role pollinators play in the food system as well as information about how to support pollinator populations. UMaine Extension Master Gardener Volunteers will lead tours and the Biodiversity Research Institute staff will highlight birds and bats as pollinators. A scavenger hunt and drawing contest will be offered, as will local honey-thyme ice cream. For more information or to request a reasonable accommodation, contact 207.781.6099, [pamela.hargest@maine.edu](mailto:pamela.hargest@maine.edu). More information also is [online](#).

#### **Pen Bay Pilot promotes seed swap**

**03 Sep 2019**

[Penobscot Bay Pilot](#) promoted the free fifth Annual Seed Swap and Saving Seeds Workshop on National Seed Swap Day — Jan. 25, 2020 at University of Maine Cooperative Extension Knox & Lincoln Counties office, 377 Manktown Road in Waldoboro. For more information, call Jean Vose, 207.563.7564, [atgodslove@tidewater.net](mailto:atgodslove@tidewater.net).

#### **Morning Sentinel, KJ advance mechanical weed control field day**

**03 Sep 2019**

The [Morning Sentinel and Kennebec Journal](#) advanced the University of Maine Cooperative Extension mechanical weed control field day from 8:30 a.m. to 4:30 p.m. Sept. 12 at Rogers Farm, 914 Bennoch Road, Old Town. The hands-on event is designed for farmers, crop advisers and other agricultural community members. Tool demonstrations and research results for vegetable and field crop production will be featured. Register online at [extension.umaine.edu](#).

#### **Portland Press Herald features 'Way Stations' at UMMA**

**03 Sep 2019**

As part of its statewide fall visual arts preview, the [Portland Press Herald](#) highlighted the Joan Belmar exhibit "Way Stations" at the University of Maine Museum of Art. "Way Stations," which opens Sept. 13, features new abstract paintings, including a pair of 92-inch tondos that Belmar created for the show. Belmar gravitates toward circular forms, populated with textural passages, lines, dots, grids and generically identifiable elements, according to the article. His circular logic evokes otherworldliness as though peering through telescopes, microscopes, portholes or more metaphysical portals.

#### **WABI showcases Friday's Maine Hello for new students**

**03 Sep 2019**

[WABI](#) (Channel 5) covered Friday's Maine Hello welcome for the 2,000-plus incoming first-year and new students, and their families. About 700 students and staff greeted the new Black Bears and helped them move into residence halls. University of Maine President Joan Ferrini-Mundy encouraged new students to "explore this campus. Really experience the full University of Maine opportunities, get to know folks, and get connected." Maine Hello volunteer Rachel Hyatt advised new students to be themselves. "This is your home. You made the right decision, so just be confident in that choice that you made."

#### **Mainebiz reports on UpStart program**

**03 Sep 2019**

[Mainebiz](#) featured the Upstart Center for Entrepreneurship in Orono, a University of Maine-run incubator program with a diverse mix of companies. "This incubator focuses on companies that typically have some kind of innovation," says Renee Kelly, assistant vice president for innovation and economic development for the University of Maine and a business advisor at UpStart. "The tenants want to grow significantly, so they have scalability in common. While that might look a little different for a biotech company versus a chemicals company versus an IT company, a lot of the challenges are exactly the same. We customize our resources to help those companies. We're attracting smart minds who do interesting things. That helps spin off all kinds of activities."

#### **UMaine, UMM announce special education collaboration**

**03 Sep 2019**

Starting this fall, undergraduate students majoring in education at the University of Maine and University of Maine at Machias will be able count certain 400-level courses toward a master's degree in special education. The collaboration is part of a new 4+1 program that will allow UMaine and UMM students to earn both their bachelor's and master's degrees in five years. In addition, UMaine undergrads majoring in elementary education will now be able to take special education courses remotely through the Machias campus for a specialization in special education. "Schools across Maine are in great need of special education teachers. We see this as a way to meet that growing demand for skilled educators, and to serve the needs of Maine's children and communities," says Mary Mahoney-O'Neil, associate dean for academic services at the UMaine College of Education and Human Development. The Maine Department of Education is required by federal law to submit teacher shortage areas to the U.S. Department of Education annually. Special education teacher (serving students with disabilities and/or students with severe impairments) is listed as an [area of need](#) for the 2019–20 school year. The collaboration between UMaine and UMM was aided in part by the primary partnership between the two institutions. In July 2017, UMM became a regional campus of UMaine. The goal of the partnership is to boost enrollment, promote efficiencies, and advance academic and research opportunities. The agreement gives UMaine undergraduates the option to take classes in a high-needs discipline through the online special education courses offered by UMM. Education majors at both campuses will be able to easily transition to the Master of Education (M.Ed.) program in special education, with a concentration in high-incidence disabilities, at UMaine. The M.Ed. program is entirely online and can lead to state certification as a teacher of students with disabilities (K–8 or 7–12). "This collaboration will benefit students at both campuses," says Heather Ball, UMM associate professor of special education. "Machias students benefit from the opportunity to further their career and educational goals by earning a master's degree at UMaine, and UMaine students benefit by having access to our undergraduate special education courses." The two campuses are currently looking for partnerships in other education program areas. Contact: Casey Kelly, 581.3751

#### **Leslie invited to deliver Kolshorn Lecture at University of Minnesota**

**04 Sep 2019**

Heather Leslie has been invited to deliver the [Kolshorn Lecture](#) at 5 p.m. Sept. 12 at the University of Minnesota. The director of the Darling Marine Center will discuss "Creating resilient coastal communities and ecosystems: Connecting marine conservation science and practice." Each year, a distinguished scientist or conservationist is invited to give the lecture. The lecture series that began in 1982 honors Otto W. Kolshorn, a farmer, teacher, school board member, justice of the peace and legislator from Goodhue County, Minnesota. Leslie, an international leader in marine conservation science, researches the ecology, policy and management of coastal marine ecosystems. She studies human and environmental dimensions of small-scale fisheries and other aspects of human-nature interactions in coastal communities. And she works with students and colleagues to connect this science to policy and management from the local to the national level. Leslie also will deliver a research lecture titled "The emerging science of coupled social-ecological systems." In this talk, she'll expand on the scientific findings and approaches that she introduces in the Kolshorn Lecture. She'll explain how she's adapted the social-ecological systems framework developed by Nobel Laureate Elinor Ostrom, and applied it to varied social and ecological contexts in coastal communities in the United States and Mexico. This has led to expanded understanding of coupled systems dynamics and contributed knowledge to inform marine management and policy.

## Registration open for faculty research orientation sessions

04 Sep 2019

Registration is open for any University of Maine faculty interested in attending one of two research orientation sessions hosted by the Office of the Vice President for Research and Dean of the Graduate School. Participants will learn about UMaine resources and services available to aid research. Other topics will include recruiting and managing graduate students, the various roles and functions of the Vice President for Research and Dean of the Graduate School offices, and learning about strategic R&D initiatives. Kody Varahramyan, vice president for research and dean of the Graduate School, will present along with other senior staff, who will answer questions. The research orientation sessions will be held at Hill Auditorium in Barrows Hall. Attendees can choose between two sessions:

- 1:30–3 p.m. Tuesday, Sept. 10
- 10:30 a.m.–noon. Wednesday, Sept. 11

Faculty interested in attending a session must register [online](#).

## Hargest touts importance of bees in advance of Pollinator Day

04 Sep 2019

Pamela Hargest, a University of Maine Cooperative Extension horticulturist, told the [Portland Press Herald](#) that Maine’s native bee populations are doing well and that it’s important to keep it that way. Maine is home to more than 270 species of native bees, many of which pollinate food crops. Showcasing the importance of pollinators is important “when development is on the rise and natural habitats are being disturbed in southern Maine,” Hargest says, adding that “today, (too) many of the plants in our landscape are either not native or have been heavily bred for certain characteristics and therefore they’re often lacking those valuable qualities that native species need to thrive.” Cooperative Extension is partnering with Falmouth Land Trust to host Pollinator Day 2–4 p.m. Sept. 7, at Tidewater Farm in Falmouth. The free, public event will feature hands-on activities that highlight the vital role of pollinators in the food system, as well as information about supporting pollinator populations and creating wildlife corridors.

## Media report Faison joins Black Bears as deputy director of athletics

04 Sep 2019

A number of media outlets reported that Brian Faison had joined the University of Maine as deputy director of athletics. Faison, who retired about a year ago from his post as director of athletics at the University of North Dakota, told the [Grand Forks Herald](#) that retirement didn’t sit well with him. “I was incredibly bored,” he said. “I miss the energy you have on a college campus and within an athletic department. I had been doing some consulting, but it isn’t the same as being on a campus. Ken (Ralph) gave me a call about the possibility of coming up and doing some things to help the program and everything seemed to mesh together.” The [Bangor Daily News](#), [The Dickinson Press](#), [Knox News Radio](#) and [WVUU](#) (Channel 7) also covered his hiring.

## Weiskittel says carbon storage levels in trees may be overestimated

04 Sep 2019

Aaron Weiskittel, director of the University of Maine Center for Research on Sustainable Forests, was interviewed for the story “Are We Overestimating How Much Trees Will Help Fight Climate Change?” in [Undark](#). Bob Marra, a forest pathologist at the Connecticut Agricultural Experiment Station who uses imaging scans to measure internal decay of trees, says internal decay has the capacity to significantly reduce the amount of carbon stored within trees. Weiskittel agrees. “I think they’re making a good point that we’re probably overestimating” carbon storage levels. Weiskittel says the research needs to be scaled up to include many more tree types and full forests. [The Wire](#) in India, [Mother Jones](#) and [Quartz](#) carried the article.

## UMaine renews exchange agreements in Spain and UK

04 Sep 2019

The University of Maine has renewed exchange agreements with University Carlos III de Madrid in Spain and the University of Birmingham in the United Kingdom. Since 2013 when the exchange agreements were established, the University of Maine has sent 25 students to University Carlos III de Madrid and 23 students from that university have studied at UMaine. Thirty-six UMaine students have studied at the University of Birmingham, and the same number have attended the University of Maine. “These direct exchange programs greatly benefit our in-state students by providing a very affordable option to study abroad for a semester or a year at the same tuition and fee rate as at UMaine,” says Orlina Boteva, director of UMaine International Programs. The University of Maine has 20 exchange agreements with [partner universities](#) in 10 countries. More information is available by contacting the UMaine [Office of International Programs](#).

## UMaine astrophysicist collaborates on \$2.7 million STEM initiative with University of Illinois at Urbana-Champaign

05 Sep 2019

A research team led by the University of Illinois at Urbana-Champaign and in collaboration with University of Maine astrophysicist Neil F. Comins will use the video game Minecraft to motivate interest in science, technology, engineering and mathematics (STEM) topics. Using the Minecraft platform, children can ask space-related what if questions to explore hypothetical exoplanets and see how their worlds differ from Earth. Led by University of Illinois educational psychology professor H. Chad Lane, the project is funded by a \$2.7 million grant from the National Science Foundation. At UMaine, Comins is one of three co-principal investigators on the project, “Fostering Enduring Interest in STEM Through Exoplanet Education and Interactive Exploration and Creation of Potentially Habitable Worlds.” The initiative will tap the content from two of Comins’ popular books — “What If the Moon Didn’t Exist?” and “What If the Earth Had Two Moons?” — and other what if scenarios being developed at the University of Maine. Called a “new genre” when first published, Comins’ books are on the boundary between science and science fiction. In them, he explores what Earth-like worlds would be like if they or their astronomical environments were different from conditions currently on Earth, such as the Earth forming without a moon. The books resulted from Comins’ young son’s frequent what if questions. Now, the NSF-funded project brings those questions full circle, Comins says, by allowing Minecraft players to pose a wide range of astronomical what if queries and explore how the worlds they thereby create are different than our world. The conditions for numerous alternative Earths are being developed by Comins and UMaine graduate student Zach Smith. These will be the foundations of users’ what if worlds. These scenarios will be programmed into Minecraft by graduate students at the University of Illinois at Urbana-Champaign. Comins’ what if worlds have been made into a variety of television and planetarium shows. “What if the Moon Didn’t Exist?” also served as the basis for Mitsubishi’s pavilion at World Expo, Aichi in 2005 in Nagoya, Japan, and as a show at the Japanese resort Huis Ten Bosch in Nagasaki, Japan, that has been presented regularly since 2006. A University of Illinois at Urbana-Champaign news release about the NSF project is [online](#). Contact: Margaret Nagle, 207.581.3745

## Advertiser Democrat advances Oxford County pollinator plantings workshop

05 Sep 2019

[Advertiser Democrat](#) advanced a workshop, “Succeeding with Pollinator Plantings: the Bees, the Bugs and the Basics,” hosted by University of Maine Cooperative Extension Oxford County, Oxford County Soil and Water Conservation District and the Xerces Society for Invertebrate Conservation from 10 a.m. to noon Sept. 20 at Hooker Family Farm in Oxford. Participants will learn about pollinator species, why they should care, and the status of these insects, as well as basic management strategies that can help pollinators, including how to successfully establish wildflower meadows, according to the article. If the weather is amenable, participants also will have the opportunity to catch live native bees, try to identify them, and learn about the species that were collected, the article states. The program cost is \$10 per family. To register, for more information, or to request a reasonable accommodation, contact Jean Federico at 207.744.3119; [oxfordcountyswcd@gmail.com](mailto:oxfordcountyswcd@gmail.com) (email preferred).

## Press Herald, MaineBiz report UMaine to participate in pilot program for in-state workforce development program

05 Sep 2019

[Portland Press Herald](#) and [MaineBiz](#) reported the University of Maine is one of several Maine colleges and universities to participate in a pilot program designed to connect college students to employers and keep them in the state after graduation. The program, led by workforce development groups Live and Work in Maine and Educate Maine, seeks to reduce the number of Maine college students who leave after graduation by addressing Maine’s escalating labor shortage through creative methods, the articles state. This approach includes hiring student interns to conduct “guerrilla marketing” activities at Maine colleges and universities, including disseminating information about Maine employers, networking with campus organizations, and helping coordinate events where students can meet

employers, learn about job opportunities and forge connections to start their careers — and these events will be tailored to match the individual needs and characteristics of the student body of a specific campus, Press Herald reported. “One of the things we can do is bring that point of access to these smaller employers, midsize employers, who may not have the time or capacity to engage one-on-one with the career office at a university,” said Nate Wildes, executive director of Live and Work in Maine. The program also is collaborating with Spencer Wood, UMaine graduate and founder of Tip Whip, a ride-sharing app for students that is popular at UMaine and has become available on more than a dozen campuses nationwide since its creation in 2014. Tip Whip also features a weekly electronic newsletter for users of the app, which provides an outlet for the partnership, according to the Press Herald. “Their hardest challenge is getting in front of the students and getting their message to them,” said Wood. “We’re essentially collecting the masses and then we’re delivering the message for Live and Work in Maine and Educate Maine directly to the students.” The organizers of the program also hope to collect student feedback about the barriers that might prevent them from considering Maine as their prime choice for settling down, having a career and raising a family. “This partnership . . . is really about increasing awareness of college students of great opportunities for employment here in the state,” said Jason Judd, executive director of Educate Maine. Husson University, Thomas College and University of Southern Maine also are involved in the pilot program, according to the articles.

#### **WVH speaks with UMaine faculty, doctoral student for report on climate research**

**05 Sep 2019**

[WVH](#) (Channel 7) spoke with Caitlin McDonough Mackenzie, a postdoctoral research fellow with the University of Maine Climate Change Institute; Aaron Putnam, an assistant professor in UMaine’s School of Earth and Climate Sciences; and Peter Strand, a doctoral student at UMaine; for the first installment of its “Summit to Shore” series focusing on climate research in Maine. “I think the effects I’m most concerned about, as an ecologist, are the places I love changing in totally irreparable ways,” said McDonough Mackenzie. Putnam told WVH that warming conditions can lead to some pest species moving into new areas. “Diseases, tick-borne diseases and mosquito-borne diseases, will have a greater probability of making it into the state,” he said. A team of UMaine researchers traveled to the Himalayas to investigate and identify past climate trends, according to the report. “What we do is compare glacial histories in these different areas to try to get at questions about how the global climate system operates and what sort of mechanics can lead to abrupt changes that have been observed in both the recent past and geologic past,” said Strand, who was part of that research team. McDonough Mackenzie has studied how climate change impacts plant life in Acadia National Park, and found that plants are leafing out earlier in warmer microclimates. “If the plants are leafing out and flowering out earlier, but migratory birds aren’t arriving earlier, then they might be missing their food services or nest materials,” she said. “A big question mark around climate change for ecologists is, what happens?”

#### **MBS to connect students, professionals at Experience Business Casually**

**05 Sep 2019**

The Maine Business School will host an inaugural Experience Business Casually event Sept. 6 in the D.P. Corbett Business Building atrium. The event, which runs from 11 a.m. to 1 p.m., aims to kick off a new academic year. It will feature informational stations on business-related topics such as resume building, early career tips, professional handshakes, and building a personal brand. Eleven local business professionals from a variety of fields, including banking and insurance, will host the stations and share their experiences and expertise with MBS students in a casual setting. “We are looking forward to having our business community start our year with networking and career development tips,” says Faye Gilbert, interim executive vice president for academic affairs and provost at the University of Maine and dean of the Undergraduate School of Business. “This is a relaxed event that will also enhance skills that make a difference in a career search process.” The event is free and open to all MBS students.

#### **Special ticket pricing for faculty, staff for Sept. 14 football game**

**05 Sep 2019**

University of Maine Athletics and the Maine Education Association want to thank UMaine faculty and staff members by providing discounted ticket pricing for the 7 p.m. Sept. 14 football game against Towson University. The Black Bears are coming off the best season in program history in which they captured the Colonial Athletic Association title before advancing to an NCAA FCS National Semifinal. Tickets, which can be purchased [online](#), start at \$10 for all UMaine employees and their families. The offer expires at 5 p.m. Sept. 12. For more information or ADA-accessible seating requests, contact Pat Ryan at 207.581.1189; [patrick.ryan@maine.edu](mailto:patrick.ryan@maine.edu).

#### **Chubby Checker, Bobby McFerrin headline September CCA shows**

**06 Sep 2019**

The Collins Center for the Arts is offering a variety of performances throughout the 2019–20 season. September events include several show-stopping mainstage music performances. Chubby Checker and The Wildcats will perform at 7 p.m. Sept. 13. When Checker appeared on the American Bandstand in 1960 and performed “The Twist,” it was the dawn of a new era in rock ‘n’ roll. Violinist Bomsori Kim and pianist Philip Chiu will give a concert at 3 p.m. Sept. 15 in Minsky Recital Hall. Kim gained attention as the youngest prizewinner of the fourth Sendai International Music Competition, which led to an internationally acclaimed concert debut in 2010. More recently, she won the 62nd ARD International Music Competition. Chiu is lauded for the brilliance, color and sensitivity of his playing, and his ability to connect with audiences. Bobby McFerrin will take the stage at 8 p.m. Sept. 28. For decades, the 10-time Grammy Award winner has broken rules — blurring the distinction between pop music and fine art, goofing around barefoot in the world’s finest concert halls, exploring uncharted vocal territory, and inspiring a new generation of a cappella singers and the beatbox movement. His latest album, “spirityouall,” is a bluesy, feel-good recording. It’s an unexpected move from the music industry rebel known for his a cappella hit “Don’t Worry, Be Happy”; his collaborations with Yo-Yo Ma, Chick Corea and the Vienna Philharmonic; his improvising choir Voicestra; and his legendary solo vocal performances. For more information, to view the full season schedule and to purchase tickets, visit the CCA [website](#).

#### **Planning a campus cultural event? Apply for a grant**

**06 Sep 2019**

The Cultural Affairs/Distinguished Lecture Series Committee is accepting grant applications from the University of Maine community through Sept. 30 for projects starting on or after Oct. 28. Past awards have supported lectures, Culturefest, the International Dance Festival, exhibits, performances and guest artists. Grants support as much as 50 percent of expenses associated with cultural events that enhance the artistic, cultural and intellectual life of UMaine. The CA/DLS committee accepts applications four times a year. Proposals must be submitted online using the [CA/DLS Grant Application Form](#). Grant application guidelines and more information about the Cultural Affairs/Distinguished Lecture Series are [online](#).

#### **MDOE quotes Knowles about leadership development program**

**06 Sep 2019**

Paul Knowles, a lecturer in educational leadership with the University of Maine College of Education and Human Development, is quoted in a recent [Maine Department of Education](#) newsletter story about the first cohort of the Maine Leadership Development Program. The 18 education leaders in the cohort include superintendents, assistant superintendents, curriculum and instruction leaders, regional education leaders, Maine DOE staff, and other school- and district-level staff from seven Maine counties. The group will become certified trainers and facilitators of future leadership development cohorts with a goal “to build and strengthen instructional leadership skills among Maine’s educational leaders.” Knowles, who serves as UMaine’s liaison to the DOE initiative, is quoted saying he’s “impressed with the caliber, diversity, passion, and commitment of the leaders participating in Maine’s Leadership Development Program.”

#### **Birkel talks with WVH about extreme weather, Hurricane Dorian**

**06 Sep 2019**

Sean Birkel talked with [WVH](#) (Channel 7) for its story about Hurricane Dorian. Birkel, a research assistant professor at the Climate Change Institute and the Maine state climatologist, indicated that climate change may result in more extreme weather. “So, in a warming climate, warming ocean surface temperatures provide fuel and moisture for a hurricane, so we’d expect there should be more hurricanes and potentially stronger hurricanes,” he said.

#### **AP reports on Minecraft project to educate youth about space**

**06 Sep 2019**

The [Associated Press](#) announced that University of Illinois and University of Maine researchers are working on a project to use the video game Minecraft to get students interested in science and space. University of Illinois educational psychology professor H. Chad Lane leads the project and UMaine astrophysicist Neil F. Comins is a collaborator. The team will facilitate the ability of children to ask questions about space using Minecraft as a platform. The National Science Foundation awarded the team a \$2.7 million grant.



Children will be able to ask “space-related what-if questions to explore hypothetical exoplanets and see how their worlds differ from Earth.” Comins and UMaine graduate student Zach Smith are developing conditions for “alternative Earths” that will be a part of the project. [The Wichita Eagle](#), the [Houston Chronicle](#), [WMTW](#), [WCVB](#) and [CBS Chicago](#) carried the AP article. [News Center Maine](#) and [The Maine Edge](#) posted the UMaine news release, and [WRSP](#) (Channel 55 in Illinois) also reported on the project.

#### **Allen an expert source for WVII’s Summit to Shore series**

**06 Sep 2019**

Katherine Allen talked with [WVII](#) (Channel 7) for the second part of its Summit to Shore series that focused on the Gulf of Maine, which is warming faster than 99% of the world’s oceans. The assistant professor in the School of Earth and Climate Sciences and Climate Change Institute studies the ocean’s history by analyzing fossils that build up in sediment over time on the ocean floor. “I analyze those fossils to learn what the ocean used to be like,” she says. By understanding how climate has historically impacted the Gulf of Maine, researchers can build climate models to better predict what might happen next. “We know it’s [the ocean] taken up a lot of heat in recent decades, from direct observations. It’s also taken up a lot of CO<sub>2</sub>. So, if the ocean hadn’t taken up as much CO<sub>2</sub> as it has, then there would be even more in the atmosphere right now, so the ocean is doing us a big favor.”

#### **Smart Cities Dive cites UMaine leadership in mass timber research**

**06 Sep 2019**

[Smart Cities Dive](#) listed the University of Maine as one of 10 universities to receive a combined \$1 million in grants for mass timber projects. Mass timber is lauded for its ability to help cities reduce carbon footprints. The structures can last up to 100 years and sequester carbon from the atmosphere, according to the article. A piece of land has a higher carbon footprint than land with a cross-laminated timber (CLT) building, according to The Climate Trust. UMaine also was cited for being home to four mass timber buildings and being awarded a \$100,000 U.S. Forest Service grant. UMaine plans to use the funds to create the initial architecture and design plans for a 21,000-square-foot CLT laboratory addition to showcase the material and house a 3D printer, according to the article. UMaine’s existing 100,000-square-foot lab that’s built out of mass timber is home to a 3D printer that prints parts over 100 feet long, according to the article. Russell Edgar, UMaine wood composites manager, said UMaine began focusing research efforts on mass timber, particularly CLT, about six years ago and is poised to feed the growing demand for mass timber. Edgar said UMaine and other institutions of higher learning will serve a critical role by training the industry’s future workforce, according to the article.

#### **Media cover U.S. Senate field hearing at tick lab**

**06 Sep 2019**

A number of media outlets reported that Sen. Susan Collins held a Senate field hearing Thursday at the University of Maine Cooperative Extension Tick Lab to promote a bill to boost federal funding to fight Lyme and other tick-borne diseases. The [Portland Press Herald](#) reported the TICK Act, sponsored by Collins and Sen. Angus King, would devote \$100 million in federal funding through 2026 for data collection and analysis to support early detection, diagnosis and treatment, and to raise awareness. More than 1,800 ticks were delivered to the tick lab between April 1 and Sept. 4. Of the 1,150 ticks tested, 37 percent had Lyme disease. [News Center Maine](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) also reported on the field hearing.

#### **‘Growing Maine’ explores keys to success of Pittsfield couple’s dairy business**

**09 Sep 2019**

University of Maine Cooperative Extension has released the eighth installment of “Growing Maine,” a series of short documentaries highlighting Maine food producers and farm families. The [newest video](#) tells the story of Balfour Farm in Pittsfield, a MOFGA-certified organic dairy farm producing cheese and yogurt. Heather and Doug Donahue, farmers for 18 years, moved to Maine after farming in New York state. They purchased 100 acres and grew their dairy herd to 12. The herd now provides the milk for their farmstead creamery, where they produce yogurt, as well as hard and soft cheeses. The Donahues are in a partnership and working relationship based on kindness and “consideration for your co-worker, to give them space if they need space.” The “Growing Maine” video series helps consumers get to know their food sources better, as farmers and producers share their behind-the-scenes perspectives on how decisions are made. For those aspiring to farm, the videos are a way to hear directly from farmers and producers about what is most important to them. UMaine Extension helps support and grow the food-based economy statewide, and is the only entity that touches every aspect of the Maine Food System, where policy, research, education, production, processing, commerce, nutrition, and food security and safety are integral and interrelated. Videos in the “Growing Maine” series are [online](#). Viewers also have the opportunity to suggest story ideas for videos that will be released throughout the year. For more information, contact Leslie Forstadt, 207.581.3487; [leslie.forstadt@maine.edu](mailto:leslie.forstadt@maine.edu).

#### **BDN reports on mixed martial arts event at Collins Center**

**09 Sep 2019**

The [Bangor Daily News](#) advanced a recent mixed martial arts event at the University of Maine’s Collins Center for the Arts. The center hosted a New England Fights production of “NEF 40: School of Hard Knocks” on Sept. 7. “The arts is a very broad term,” said Danny Williams, executive director of the Collins Center. “There’s a form of dance that’s based off martial arts, so the lines are getting blurred and crossed all the time. Certainly there’s a production element about [MMA], and when the audience gets here they’re wanting to see some good action, which is the same thing other audiences that come here want — to see a good show.” The mixed martial arts show does mark a first for the Collins Center, though the facility’s offerings over the years have stretched beyond the performing arts, according to the article. “We had a lot of internal discussions about this when NEF approached us about this, and we said, ‘Why not?’” according to Williams.

#### **Moran speaks with Kennebec Journal about start of apple-picking season**

**09 Sep 2019**

Renae Moran, an associate professor of pomology at the University of Maine and a fruit tree specialist with UMaine Cooperative Extension, was quoted in the [Kennebec Journal](#) article “Apple-picking season begins — ready or not.” As orchards around Maine marked the start of the apple-picking season, experts said crops may need some time to catch up, the article states. Moran said this year’s crop looks good, despite the prediction it will be “less than average.” She said a cold spring hampered pollination, which delayed ripening of the fruit by about 10 days. “It was cold when the trees were in bloom,” she said. Domestic beehives were not as active because of the chill, and wild pollinators had to carry more of the load than usual, according to the article. Based on forecasts, Moran said, there are no weather events on the horizon that could stop apple season abruptly, and cold weather should hold off long enough for orchard owners to get all of their apples picked by mid-October. The [Portland Press Herald](#) and [Sun Journal](#) carried the KJ article.

#### **BDN interviews Jackson about importance of farmers**

**09 Sep 2019**

Tori Jackson, a professor of agriculture and natural resources with University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for the article “If you enjoy food and clothing, you know why farmers are important.” Jackson, who works with farmers around Maine, said beyond growing crops, farmers provide an important link between people and the land. “Farmers help keep us connected to the land,” she said. “Even if the only relationship a person has with a farmer is through buying food at the store, that food still connects that consumer back to the farmland.” When that connection is acknowledged and appreciated, Jackson said, nonfarmers become aware of the importance of farmland and its preservation. “Farmers also maintain open spaces, often for the benefit of others,” Jackson said. “In the winter or in other nongrowing seasons many farmers allow recreational activities on their land.” Part of their place in a community is what they bring to the economy, Jackson said.

#### **Miner chosen as Ambassador to inspire next generation of STEM pioneers**

**09 Sep 2019**

[Kimberley Rain Miner](#), a University of Maine research assistant professor in the [Climate Change Institute](#) and a physical scientist at the [Geospatial Research Laboratory](#), has been selected as one of 125 AAAS (American Association for the Advancement of Science) [IF/THEN® Ambassadors](#). IF/THEN®, a national initiative of [Lyda Hill Philanthropies](#), seeks to further women in science, technology, engineering and math (STEM) by empowering current innovators and inspiring the next generation of pioneers. “We firmly believe that *if* we support a woman in STEM, *then* she can change the world,” said Lyda Hill, founder of Lyda Hill Philanthropies. “The goal of IF/THEN® is to shift the way our country — and the world — think about women in STEM and this requires changing the narratives about women STEM professionals and improving their visibility.” To achieve the goal, AAAS IF/THEN® Ambassadors will connect with students in person and through various media platforms, including popular YouTube channels and network

television shows. Ambassadors like Miner are contemporary role models who represent a diversity of STEM-related professions in the United States, from entertainment, fashion, sports, business and academia. “AAAS is deeply committed to advancing education and opportunities for girls and women in STEM,” said Margaret Hamburg, chair of the AAAS Board of Directors. “This partnership enables us to reach more deeply into STEM education and help advance STEM careers for women and girls. It will help us to elevate the voices of women working in STEM fields and to inspire the next generation of girls and women in science.” “We are so proud to share that Kimberley Miner has been chosen as an AAAS IF/THEN® Ambassador. Her work in glaciology to understand health risks imposed by melting ice that contains toxic substances has global significance,” said Paul Mayewski, director of the Climate Change Institute. “Throughout her tenure at the University of Maine, Miner has been a leader in her field and helped the Climate Change Institute to achieve our mission to understand the impact of human activity on the physical and chemical climate. We’re so proud of her impressive work and especially proud that she has received the prestigious recognition as an AAAS IF/THEN® Ambassador.” [Miner](#), who earned her doctorate in Earth and climate sciences at UMaine, said she’s thrilled to be working with Lyda Hill Philanthropies to inspire the next generation of female leaders in STEM. “If they can dream it, then they can do it,” she said. As an IGERT (Integrative Graduate Education and Research Trainee) at the CCI, Miner explored six continents and developed a framework to assess the threat of pesticides — including DDT — that for years have been trapped in glacial ice and now are entering watersheds as the glaciers melt. [She found](#) pesticide pollutants — including the insecticide DDT — in a remote Alaskan glacier and its meltwater. Pesticides that contain organochlorine compounds (OCPs) are banned in many countries because exposure can result in fatigue, headache, nausea, blurry vision, tremors, confusion, cancer, coma and death. The DDT deposited and stored near the surface of Jarvis Glacier in interior Alaska likely was transported there in the atmosphere from Asia, where it’s still used to try to prevent malaria, she says. Miner [also found](#) that children in Alaska whose diet includes a lot of fish from rivers fed by the Eastern Alaska Mountain Range may have a long-term elevated risk for cancer because of insecticides — including DDT — in the meltwater. When Miner was a student at UMaine, she was named a [Switzer Environmental Fellow](#). In October, Miner and other AAAS IF/THEN® Ambassadors will participate in the IF/THEN® Summit in Dallas for specialized media and communications training. IF/THEN® will support the Ambassadors and their inspiring work by showcasing them on a national platform by sharing stories of their STEM journeys and the ways in which they use STEM to solve problems and create new possibilities for the future, according to the website. The IF/THEN® Collection, a digital asset library of photos and custom content, will be created as a tool to increase the number of accurate and powerful images of real women and girls in STEM. The robust collection can be accessed by media, educators and nonprofit organizations as they develop and share content and curriculum. AAAS IF/THEN® Ambassadors were selected through a rigorous selection process. Candidates were evaluated for overall excellence with a focus on contributions to their STEM-related field, commensurate with their career stage; demonstrated experience and abilities in STEM communication and public engagement via media, classroom and public programs; and commitment to inspiring middle school girls to be the next generation of STEM pioneers. The IF/THEN® Girls Advisory Council, composed of more than 150 10- to- 18-year-old girls from around the country, also participated in the Ambassador selection process. The complete list of Ambassadors, including archaeologist [Sarah Parcak](#), originally from Bangor, Maine, is [online](#). Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## Fall exhibitions open Sept. 13 at UMaine Museum of Art

### 10 Sep 2019

The University of Maine Museum of Art has announced its fall exhibitions, running Sept. 13 through Dec. 21. “Way Stations” features new abstract paintings by New York-based artist Joan Belmar. Spherical forms, often filled with transparent textural passages, populate Belmar’s compositions and are combined with segmented lines, dots and portal-like constructions. “Circles represent the infinite,” says Belmar, adding that they “suggest, like a Russian doll that contains one inside the other, world or way stations within other worlds.” “Entangled” features a new series of paintings and drawings by Maine-based artist Nina Jerome. Invasive wild grape vines, which Jerome encountered while at a recent artist residency, inspire the compositions. “The movement and joyful choreography of their entanglement express the variety and excitement of life’s experiences, yet the tangled knots also create obstacles within our interconnected systems,” Jerome says. “Studio Visit” brings together a selection of new works by six notable painters working throughout the United States. Ranging from hard-edged to densely layered compositions, the exhibition showcases each artist’s unique approach to abstraction. Artists featured in the exhibit are Thomas Berding of East Lansing, Michigan; Joanne Freeman of New York City; Alfredo Gisholt of Boston, Massachusetts; Rachel Hellmann of Terre Haute, Indiana; Suzanne Laura Kammin of Newark, New Jersey; and Matt Phillips of New York City. The museum is open 10 a.m.–5 p.m. Tuesday through Saturday, and is located at 40 Harlow Street in Bangor. Admission is free in 2019 thanks to Deighan Wealth Advisors. More information about the museum and its exhibits is [online](#).

## Piscataquis Observer advances winter backyard poultry workshop

### 10 Sep 2019

[The Piscataquis Observer](#) reported the University of Maine Cooperative Extension in Piscataquis County will hold a free winter care workshop for small-scale poultry producers Sept. 26. The program will be offered 10 a.m.–12:30 p.m. and 6–8:30 p.m. at the UMaine Extension office in Dover-Foxcroft. Workshop topics will include poultry breeds, housing, health and nutrition, demonstrations of various waterers and lighting options and ideas for do-it-yourself poultry equipment, according to the article. Extension educator Donna Coffin and Extension livestock specialist Colt Knight will lead the workshop. More information, including required registration, is [online](#).

## Ellsworth American reports on UMaine, UMM special ed collaboration

### 10 Sep 2019

[The Ellsworth American](#) published a University of Maine news release announcing a special education collaboration between UMaine and the University of Maine at Machias. Starting this fall, undergraduate students majoring in education at both universities will be able to count certain 400-level courses toward a master’s degree in special education. The collaboration is part of a new 4+1 program that will allow UMaine and UMM students to earn both their bachelor’s and master’s degrees in five years. In addition, UMaine undergrads majoring in elementary education will now be able to take special education courses remotely through the Machias campus for a concentration in special education.

## Fried, Glover discuss ranked-choice voting on ‘Gulf Coast Live’

### 10 Sep 2019

University of Maine political science professors Amy Fried and Robert Glover were recent guests on “[Gulf Coast Live](#),” a talk show that airs on WGCU, Southwest Florida’s NPR affiliate. Fried and Glover discussed ranked-choice voting and how it is being used in Maine.

## UMaine makes U.S. News rankings, media report

### 10 Sep 2019

The [Portland Press Herald](#), [Bangor Daily News](#) and [Mainebiz](#) reported the University of Maine was included in the U.S. News & World Report’s annual rankings of colleges and universities. UMaine was rated 100th in public universities nationwide and was tied for 202 among all U.S. universities, the Press Herald reported. [WPFO](#) (Channel 23 in Portland) carried the BDN report.

## Study shows Mediterranean diet associated with better cognitive function in older adults

### 10 Sep 2019

Adherence to a Mediterranean diet has been associated with less cognitive decline over five years in older adults in the United States, according to a new study led by University of Maine and the University of South Australia researchers. The study, conducted by researchers Alexandra Wade, Merrill Elias and Karen Murphy and published in the journal *Nutritional Neuroscience*, examined the relationship between Mediterranean diet adherence and cognitive function in a sample of older adults in the [Maine-Syracuse Longitudinal Study](#) (MSLS). MSLS, a study of aging, hypertension, cardiovascular disease and cognitive function, was launched in 1974 by Elias. It has obtained longitudinal data from young adulthood to the elder years for 1,000 individuals, and cross-sectional data for more than 2,400 individuals initially recruited from central New York and followed throughout the U.S. The Mediterranean diet has been associated with a range of health benefits. However, the majority of Mediterranean diet studies have been conducted in Mediterranean populations, and findings from non-Mediterranean populations are mixed. Wade and colleagues found that participants who reported consuming a higher intake of foods associated with a Mediterranean diet, including olive oil, fruits, vegetables, legumes, fish, whole grains and red wine, experienced moderately lower rates of cognitive decline in visual spatial organization and memory, attention and global cognitive function over a five-year period. Causal relations cannot be inferred as the study was observational, according to the researchers. However, the findings indicate that adherence to a Mediterranean diet may be capable of delaying age and disease-related cognitive decline, one of the leading risk factors of dementia. Future studies must examine possible associations between Mediterranean diet, such as biological factors or general good health as a positive influence on cognitive function, the researchers say. The research reflects a longtime collaboration between researchers at the University of South Australia and UMaine. Wade is a postdoctoral researcher at the University of South Australia; Murphy is a senior lecturer and accredited practicing dietitian at the University of South Australia; Elias is a UMaine emeritus professor of psychology and emeritus cooperating professor in the Graduate School of Biomedical Sciences and Engineering. Wade was a visiting foreign student at UMaine in 2017, and brought her interest and expertise in the study of the Mediterranean diet to the MSLS research group. Data collection was supported by grants from the National Heart, Lung, and Blood Institute (grants no: R01HL67358 and R01HL81290) and a research grant from the National Institute on Aging (grant no: R01AG03055). The content of the paper does not necessarily reflect the official views of the National Institutes of Health. Contacts: Alexandra Wade, [alexandra.wade@unisa.edu.au](mailto:alexandra.wade@unisa.edu.au); Merrill Elias, [mfelias@maine.edu](mailto:mfelias@maine.edu); Fayeza Ahmed, [fayeza.ahmed@maine.edu](mailto:fayeza.ahmed@maine.edu)

## **UMaine Honors students travel to Hurricane Island Center for Science and Leadership for community-focused outdoor orientation experience**

**11 Sep 2019**

The University of Maine Honors College recently took 25 incoming Honors students on an inaugural outdoor orientation experience on Hurricane Island Aug. 28–30. The Hurricane Island Center for Science and Leadership, located off of the coast of Rockland, Maine in Penobscot Bay, hosts science education and leadership programs for schools and organizations from around the United States. Hurricane Island Director of Education and UMaine Honors alumna, Jenn Page '03, created a dynamic orientation program focused on community-building, marine science, local history and sustainability. Page reconnected with the Honors community through this new partnership developed in conjunction with an Honors course “Community Building and Engagement,” created by professors Melissa Ladenheim and Mark Haggerty. This service-learning course combines experiential and traditional classroom learning in the exploration of community, civic identity and social responsibility. Page, supported by Hurricane Island educator Kat Duvall, led the students through activities like raft-building, tide pool exploration, marine debris clean-ups and rowing in Penobscot Bay. The students, who entered the program as strangers, quickly bonded. As a group, they brainstormed a set of community agreements intended to guide them during their time on the island and throughout the semester. Values such as inclusive respect and humility grounded their experience and engendered a strong sense of community. For the students, the Hurricane Island orientation trip laid the foundation for further learning. Throughout the fall semester, the students will dedicate time to service-learning projects, partnering with local organizations to design projects that benefit UMaine and surrounding communities. Honors anthropology and secondary education double major Tom Adams and Honors marine science major Sydney Avena will serve as the student facilitators for the course. They will guide the students as they work on their projects and expand their understandings of community and service.

## **Taylor to serve on national Reading Recovery Council board**

**11 Sep 2019**

Lori Taylor, a Reading Recovery trainer with the College of Education and Human Development's University Training Center for Reading Recovery and Comprehensive Literacy, has been elected to a seat on the Reading Recovery Council of North America (RRCNA) Board of Directors. Taylor will serve as a trainer representative on the board, a three-year position that runs through 2022. She also will serve on the Executive Committee of the North American Trainers Group (NATG) and the National Conference Committee for the National Reading Recovery & K–6 Literacy Conference. Taylor has worked at the University of Maine since 2013 following a nearly 30-year career in public education that included stints as a special education teacher, kindergarten and first through third grade teacher, as well as an advanced literacy coach and Reading Recovery teacher leader. She earned her master of education degree from UMaine in 2005 and a Ph.D. in literacy education in 2016. As a trainer, Taylor works with Reading Recovery teacher leaders throughout Maine. The University Training Center provides the initial training and ongoing professional development to these teacher leaders and literacy coaches, who support teachers and students in schools statewide. The [RRCNA](#) is a not-for-profit association of Reading Recovery professionals, partners and advocates. The council provides programs and services, including publications and annual conferences, to advance Reading Recovery in North America. Members include Reading Recovery teachers, teacher leaders, university trainers, site coordinators, and partners such as classroom teachers, early literacy educators, school and district administrators, researchers, parents and community members. University trainers involved in Reading Recovery oversee implementation of Reading Recovery in affiliated sites, evaluate outcomes and engage in continuous research for improvement. Reading Recovery trainers, members of the NATG, represent an advisory board to the Ohio State University, where the trademark for North America is held. The NATG includes a standing committee structure to guide ongoing development and research.

## **Elias appointed to Board of Editors of the 'American Journal of Hypertension'**

**11 Sep 2019**

Merrill Elias, emeritus professor of psychology and Graduate School of Biomedical Science, has been appointed to the board of editors of the American Journal of Hypertension. He presently serves on the Hypertension board of editors and is a fellow on the Council of High Blood Pressure, American Heart Association. He has served on the editorial board of the Journal of Alzheimer's Disease and as editor-emeritus for Experimental Aging Research. He began his work on hypertension, and cognitive function and biological outcomes with animal models in 1978, subsequently conducting clinical and epidemiological studies. He is director of the [Maine-Syracuse Longitudinal Study](#) of hypertension, cardiovascular disease and cognitive function.

## **Summer pilot program designed to help students with autism prepare for college**

**11 Sep 2019**

This past summer, five high school juniors and seniors with autism spent five weeks living on campus, taking a Psychology 100 class and engaging in the University of Maine community as part of a pilot program called Step Up. The program, designed to help students gain skills and experience in areas associated with postsecondary education success for persons with disabilities, was offered by the Maine Department of Labor's Division of Vocational Rehabilitation in collaboration with the UMaine Center for Community Inclusion and Disability Studies, the College of Education and Human Development, and Student Accessibility Services. Step Up was modeled on the successful college prep initiative offered by the Department of Labor's Division for the Blind and Visually Impaired. A full story about Step Up is [online](#).

## **UMaine Extension beginner beekeeping school starts Sept. 26**

**11 Sep 2019**

University of Maine Cooperative Extension and the Maine State Beekeepers Association will hold a five-week beginner beekeeping school Thursdays 6–8:30 p.m. from Sept. 26 through Oct. 24, at Springvale Public Library. Master beekeeper and former MSBA vice president Larry Peiffer will discuss honeybee colonies, hive construction, pests and diseases, honey production and seasonal management of hives. Participants also will observe area hives and gain hands-on experience during a field lab at a later date. Cost per person is \$95, \$140 for two people who share materials, and includes a one-year membership to the York County Beekeepers' Association. Register [online](#) by Sept. 16. For more information or to request a reasonable accommodation, contact UMaine Extension in York County, 207.324.2814, 800.287.1535 (in Maine); [elizabeth.clock@maine.edu](mailto:elizabeth.clock@maine.edu). More information also is [online](#).

## **Free Press previews critical thinking workshop at Hutchinson Center**

**11 Sep 2019**

[The Free Press](#) reported the University of Maine Hutchinson Center in Belfast will offer an introductory workshop, “Improving Personal and Business Effectiveness Through Critical Thinking,” 8:30 a.m. to 4 p.m. Nov. 1. The workshop is for nonprofit and business leaders, educators, municipal officials, and others interested in critical thinking and ways to improve personal and business effectiveness, according to the article. Presenter Terry Porter is professor emerita of management at the Maine Business School. The program fee is \$150 and includes breakfast and lunch. Need-based scholarships are available. [VillageSoup](#) and [Penobscot Bay Pilot](#) also advanced the workshop.

## **Study shows Mediterranean diet linked to better cognitive function, Medical Xpress reports**

**11 Sep 2019**

[Medical Xpress](#) published a University of Maine news release about a new study that found adherence to a Mediterranean diet has been associated with less cognitive decline over five years in older adults in the United States. The study, conducted by University of Maine and University of South Australia researchers, was published in the journal Nutritional Neuroscience. It examined the relationship between Mediterranean diet adherence and cognitive function in a sample of older adults in the Maine-Syracuse Longitudinal Study (MSLS), a study of aging, hypertension, cardiovascular disease and cognitive function. MSLS was launched in 1974 by Merrill Elias, a UMaine emeritus professor of psychology and emeritus cooperating professor in the Graduate School of Biomedical Sciences and Engineering.

## **Morning Ag Clips advances free yoga class for gardeners, farmers**

**11 Sep 2019**

[Morning Ag Clips](#) reported the University of Maine Cooperative Extension will host a free yoga class for gardeners and farmers Sept. 26 in Falmouth. The class will be held 6–7 p.m. at the UMaine Regional Learning Center. Brie Weisman, Maine AgrAbility specialist and owner of Adapt-Able Living in Rumford, will demonstrate ways to incorporate yoga into daily routines, using stretches that can be done sitting or standing. Class size is limited; [online](#) registration is required.

## **Penobscot Bay Pilot covers marine sciences boot camp**



11 Sep 2019

[Penobscot Bay Pilot](#) reported the University of Maine's Darling Marine Center in Walpole recently hosted a three-day orientation program for 30 first-year students in the School of Marine Sciences. William Ellis, associate director of the School of Marine Sciences, leads the annual boot camp program, according to the article. "We have an amazing facility on the midcoast — the Darling Marine Center — and I just love being able to bring students to Walpole as part of their introduction to UMaine," said Ellis, who also is an associate professor of oceanography. "Many students return to the center multiple times throughout the course of their undergraduate years, and some stay on as graduate students in marine sciences, as well." Boot camp is a bonding experience for incoming students and provides an opportunity for them to become acquainted with facilities and faculty in Orono and Walpole, the article states.

#### **Miner chosen as ambassador for STEM initiative, MaineBiz reports**

11 Sep 2019

[MaineBiz](#) reported Kimberley Miner, a University of Maine research assistant professor in the Climate Change Institute and a physical scientist at the Geospatial Research Laboratory, has been selected as a nationwide ambassador of an initiative promoting opportunities for women innovators in science, technology, engineering and math (STEM) fields. Miner was named by the American Association for the Advancement of Science as one of 125 ambassadors in IF/THEN®, a national initiative of Lyda Hill Philanthropies. Miner's work in glaciology aims to understand health risks posed by melting ice, which may contain toxic substances, the article states. The work has global significance, according to Paul Mayewski, director of CCI. "Throughout her tenure at the University of Maine, Miner has been a leader in her field and helped the Climate Change Institute to achieve our mission to understand the impact of human activity on the physical and chemical climate," he said.

#### **Bowen speaks with WABI about food preservation workshop**

11 Sep 2019

[WABI](#) (Channel 5) reported the University of Maine Cooperative Extension will host a series of hands-on food preservation workshops. Laurie Bowen, a community education assistant with UMaine Extension, will lead the first class in Bangor, WABI reported. Bowen said the course, which covers the basics of safely canning food, is great for beginners or canners looking to refresh their skills. "We also invite canners that have been at it for a long time. We have recipes that change, techniques that change. The science of it changes. So we really need to use the most up-to-date methods, the most up-to-date equipment," she said.

#### **Isenhour recent guest on 'Maine Calling'**

11 Sep 2019

Cynthia Isenhour, a professor of anthropology and climate change at the University of Maine and faculty associate in the Senator George J. Mitchell Center for Sustainability Solutions, was a recent guest on [Maine Public's](#) "Maine Calling." The radio show focused on how consumer choices affect climate change.

#### **Hadley White: Secondary education, French student reinforces career calling through Upward Bound summer job**

11 Sep 2019

Hadley White of Goffstown, New Hampshire, spent her summer in Presque Isle working as a resident director and French instructor for Upward Bound, a program that helps first-generation and low-income college-bound high school students succeed in higher education. The fourth-year secondary education and French student with a minor in Franco-American studies loved the challenges of the work — she was constantly learning and preparing to be an educator, and says her job incorporated many skills learned in the classroom and as a person. "I am passionate about Upward Bound because it is consistently challenging, but always presents the most incredible rewards," says White. "I feel as though it helps me personally and professionally grow every single day. I am pushed to adapt, problem solve, make quick decisions, respond to difficult emotional and academic situations, manage a classroom effectively, work independently and also collaboratively, take into consideration many perspectives at once, and role-model." Her summer tasks ranged from supervising, scheduling, and supporting other staff, to designing, preparing and teaching lessons in French. She says the most interesting part this summer was teaching French to a group of rising freshmen — an age group she had not worked with very much previously — who had great energy and made for a very different experience. "Ultimately, between the classroom and the campus life, the part of the job I love the most isn't the logistics but the humanity — listening to people when they need someone to talk to, helping facilitate meaningful experiences and connections, and giving out motivational dog stickers," says White. "At the end of the day, I get to watch students be resilient, discover things they're passionate about, and be actively impacted by the Upward Bound experience," she says. "And working with the students from the communities of Aroostook County has consistently reinforced my decision to join the education field." White also has loved exploring Aroostook County through hiking, kayaking, swimming and "beautiful drives." "Since Maine has such a short summer, I feel incredibly lucky to spend it somewhere with so much natural beauty," she says. And she loves that UMaine has such an incredible variety of opportunities for student involvement outside the classroom, including research, resource centers and work experiences. "I love being able to work with the different departments and groups on campus — I've done a lot with the Franco-American Centre in the past few years — to be able to immerse myself in my passions and to find resources that I will be able to carry with me long after I graduate," she says. "I think anyone from any major will find that at UMaine, there are faculty and departments that are willing and excited to help students find their footing in something that aligns with their passions, and put it to use outside of the classroom setting," says White. "My work with Upward Bound has been the single most important experience for my growth that I've had through my time in college," she says. "I hope to continue working with the program for many years to come as I make my way into the field!" Contact: Cleo Barker, 207.581.3729

#### **Walker to present at Maine Chapter of Brain Injury Association of America**

12 Sep 2019

Judy Walker, associate professor and coordinator of the University of Maine Speech Therapy Telepractice Program, will present at the 10th anniversary conference of the Brain Injury Association of America — Maine Chapter on Oct. 9 at the University of Southern Maine. In her presentation, "Telepractice and Technology: Innovative Cognitive Rehabilitation for Brain Injury Survivors in Their Homes and Communities," Walker will highlight the ways telepractice is improving the availability of speech-language services in the state.

#### **Maine Sea Grant, UMaine advance \$2M initiative aimed at increasing resilience in the lobster fishery**

12 Sep 2019

The Maine Sea Grant College Program and University of Maine scientists Rick Wahle and Damian Brady are project leaders in the \$2 million [Sea Grant American Lobster Initiative](#) from the National Oceanic and Atmospheric Administration and National Sea Grant to understand physical and chemical changes affecting American lobster in the Gulf of Maine. The initiative supports scientific research and a four-year regional lobster extension program. Seven new research awards will address critical gaps in knowledge about American lobster responses to environmental change and how to provide opportunities to increase economic resilience and adaptation in the lobster fishery. In addition to Wahle and Brady at UMaine, awards were made to investigators at the Gulf of Maine Research Institute, Wells National Estuarine Research Reserve, Massachusetts Division of Marine Fisheries, and Virginia Institute of Marine Science, working in collaboration with partners throughout the region. [Maine Sea Grant](#) will provide regional leadership and coordination for the four-year lobster extension program, which includes awards to Maine, New Hampshire, MIT, Woods Hole, Rhode Island, Connecticut, and New York Sea Grant programs. These awards will support efforts to facilitate partnerships, communication and collaboration among the lobster industry, management agencies and lobster scientists throughout the region and help to ensure that coastal communities benefit from the funded research. Gayle Zydlewski, Maine Sea Grant director and a professor in UMaine's School of Marine Sciences, said this opportunity showcases Sea Grant's approach to science — being responsive to people's needs. "This regional project grew out of efforts in collaboration with the Maine Department of Marine Resources, who started their own lobster research collaborative to address Maine's needs for the industry," she said. "We look forward to building on those efforts across the Northeast by working with researchers, managers, and the lobster industry to assure that lobster science is used throughout the region." "The Sea Grant American Lobster Initiative will target critically important areas of concern for our most valuable fishery," said Carl Wilson, director of the Maine Department of Marine Resources Science Bureau. "It will also reinforce and amplify efforts in Maine, and regionally, to ensure the resilience of the resource, and the ability of managers to adapt to changes in the dynamic marine environment." Together, the research and extension components of this initiative are expected to shed light on how to preserve the important iconic fishery. Today's estimated landed value of the American lobster (*Homarus americanus*) fishery is more than \$666 million. Rick Wahle, director of the University of Maine [Lobster Institute](#) and a research professor in the School of Marine Sciences, was awarded a two-year \$399,293 grant to examine the seemingly contradictory disconnect between historic highs in lobster egg production in the Gulf of Maine with lows in young-of-year (born within the past year) recruitment. "This project will help us test the idea we've advanced that before larvae even settle to the sea bed their survival is limited by the supply of planktonic food in the pelagic food web," he said. "We're conducting field studies to examine the association between lobster larvae and zooplankton prey. And in the lab, we'll put new molecular tools to work to identify prey that field-collected larvae have consumed. The timing couldn't be better as this National Sea Grant project complements the work just beginning under UMaine's new environmental DNA initiative supported by the NSF (National Science Foundation)." The interdisciplinary team will use an existing 30-plus-year data set, as well as targeted high-resolution field sampling, novel molecular diet analysis and laboratory experiments. Together, the approaches could clarify the American lobster's link to the ocean food web, said Wahle. "Opening up the black box of lobster larval feeding ecology may help us better understand the links between changes in the Gulf of Maine's ocean environment and change in its iconic lobster fishery, a key economic driver in our coastal communities," he said. Team members are David Fields and Peter Countway of Bigelow Laboratory, Rachel Lasley-Rasher of the University of Southern Maine, Joshua Carloni of the New

Hampshire Fish and Game Department and Paul Geoghegan of Normandeau Associates, Inc. Brady was awarded a two-year \$399,994 grant to explore the potential effects of warming on the early life history of the American lobster. “At the end of the day, the fate of the American lobster fishery is intertwined with Maine’s marine resource and tourism economy, so understanding where larval lobsters end up in a changing Gulf of Maine is critical to Maine’s future,” said the UMaine associate professor in the School of Marine Sciences. While North America’s most valuable marine species has thrived for decades, Brady said there are growing concerns that regional maritime economies will suffer because of a decline of shallow water young-of-year lobsters and because of lobster landings shifting to the Northeast. Brady and colleagues will examine how climate-induced shifts in larval development time and settlement habitat affect lobsters’ early life history. They’ll develop a modeling system to examine effects of three key moving targets: location and timing of spawning; larval transport; and the distribution/suitability of settler habitat, which is above 12 degrees C (53.6 F) and below 20 degrees C (68 F). This modeling system will provide the foundation for the eventual development of an end-to-end modeling system that links climate to physics to habitat to lobsters to fisheries. Brady’s colleagues are Huijie Xue and Lewis Incze of UMaine; Rubao Ji of Woods Hole Oceanographic Institution; Changsheng Chen of the University of Massachusetts at Dartmouth; and Kenneth Rose of the University of Maryland. Additional research supported through the American Lobster Initiative includes: [Alexa Dayton](#) of the Gulf of Maine Research Institute will examine lessons to be learned from the severe declines in lobster and lobster fisheries in Southern New England in 2010 and Australia in 2009. Her team will assess what management adaptations were considered or acted upon and how the Gulf of Maine lobster fishery can seek to prevent a significant economic contraction in the face of expected declines in landings and increases in operating costs. [Tracy Pugh](#) of the Massachusetts Division of Marine Fisheries will work to fill in gaps in growth data, particularly for large offshore lobsters, in the U.S. Lobster Stock Assessment. The ability of the stock assessment to accurately assess the status and trajectory of lobster is critical to its sustainable management, she says. [Emily Rivest](#) of the Virginia Institute of Marine Science will research how changes in temperature and ocean acidification affect lobster fertility and the ratio of the number of births to the size of the population. The team’s findings will be used to improve estimates of the effects of multiple stressors on natural systems in the Gulf of Maine and provide baselines for representative physiological markers for future work. [Kathy Mills](#) of the Gulf of Maine Research Institute will examine data and case studies to understand consequences of the major downturn in the Southern New England lobster fishery. The team will evaluate how lessons may be applicable to lobstermen and communities in the Gulf of Maine, and be relevant in planning for resilience and adaptation in culturally, socially and economically important fishing communities. [Jason Goldstein](#) of the Wells National Estuarine Research Reserve will assess the impacts of warming water on the movements of sexually mature female lobsters, and the fate of their larvae. In Southern New England, lobsters have moved to deeper, cooler offshore water. The same trend, he says, appears to be underway in the Gulf of Maine. His team seeks to be able to better predict impacts of the changing climate on the future of this valuable marine resource. The focus of this research is based on specific language in the NOAA National Sea Grant Program’s FY2019 Appropriations, and the research and extension competitions were informed by listening sessions with regional fishing industry stakeholders, state and federal fisheries managers, and university, state and federal fisheries researchers. NOAA’s full release about the Sea Grant American Lobster Initiative and the Sea Grant Northeast Regional Lobster Extension Program is [here](#). Contact: Gayle Zydlewski, [gayle.zydlewski@maine.edu](mailto:gayle.zydlewski@maine.edu), 207.581.1435

#### **Longtime education professor passes away**

**12 Sep 2019**

William Davis, a University of Maine professor of education for 38 years, passed away Sept. 9. At UMaine, Davis founded and directed the Institute for the Study of Students At Risk. An obituary and details of funeral arrangements are [online](#).

#### **UMaine community to compete in national outdoor challenge**

**12 Sep 2019**

University of Maine and town of Orono community members are encouraged to participate in an annual contest to become the “most outdoorsy” campus community in the country. The Association of Outdoor Recreation and Education (AORE) Campus Challenge allows more than 100 communities nationwide to go head-to-head in the most outdoor activities completed from Sept. 16 through Oct. 13. Each school gains points when students, faculty, staff, alumni and local community members get active outside. The school with the most points will be named the National Outdoor Champion. During the monthlong competition, Maine Bound Adventure Center will offer several free events, including a kickoff Sept. 16, Paddle Fest on the Stillwater River Sept. 21, a headlamp 5K trail run Sept. 27, a petting zoo and goat yoga Oct. 4, and an Oct. 8 presentation by Abby Rowe, who will share insights from 25 years as an outdoor education professional who identifies within the LGBTQ community. Maine Bound is hosting the events with several UMaine groups, as well as sponsors, including Hydro Flask, Alpenglowl Adventure Sports, and Clifton Climbers Alliance. To participate in the challenge, [download the AORE Campus Challenge App](#) and start logging outdoor activities daily during the challenge month. More information on events and participation is [online](#).

#### **Press Herald advances Cumberland County Fair 4-H livestock auction**

**12 Sep 2019**

The [Portland Press Herald](#) reported Cumberland County 4-Hers will auction the animals they have raised Sept. 25 at the Cumberland County Fair. The livestock auction will include calves, market lambs and market hogs, all 100% grain fed and raised by local 4-H members, according to the article.

#### **Steneck to present Maine Marine Fare Conference keynote, Free Press reports**

**12 Sep 2019**

[The Free Press](#) reported the Penobscot Marine Museum will host the Maine Marine Fare Conference at Searsport’s Union Hall 9 a.m.–4 p.m. Sept. 28. Experts from around the state will gather to address a variety of fisheries-related topics, according to the article. The central theme is that Maine is diversifying its fisheries: aquaculture is introducing more marketable species; multinational companies are applying for land-based aquaculture permits; traditional bait fish stocks are running short and new sources need to be found; the removal of dams means more fish are returning to the Penobscot Nation’s sovereign waters; and women are breaking into the fish catch and processing arenas, the article states. Sessions include the keynote presentation, “The Current State of the Gulf of Maine Fisheries,” by Bob Steneck, a professor of marine biology and marine policy at the University of Maine; and a land-based aquaculture panel moderated by Steve Eddy, director of UMaine’s Center for Cooperative Aquaculture Research. [Republican Journal](#) also advanced the conference.

#### **Machias Valley News Observer reports on 4-H Tech Changemakers**

**12 Sep 2019**

[Machias Valley News Observer](#) reported on an innovative project in Washington County that is part of a national program offered through a partnership between the National 4-H Council and Microsoft. The 4-H Tech Changemakers program aims to empower teens to create opportunities for people to participate in today’s increasingly digital world in unique ways, according to the article. As part of the program, a group of juniors at Washington Academy in East Machias have been using technology to combat food insecurity in their county for the past two years.

#### **NOAA awards \$2M for lobster research including two UMaine projects, media report**

**12 Sep 2019**

The Associated Press, [Mainebiz](#), [Portland Press Herald](#), [Undercurrent News](#) and [VillageSoup](#) reported the National Oceanic and Atmospheric Administration’s National Sea Grant College Program has awarded \$2 million to support lobster research. The grant is spread out among seven awards, four of which will help research performed by institutions based in Maine. Two projects will be conducted by University of Maine researchers, Mainebiz reported. “Linking the Gulf of Maine pelagic food web to lobster recruitment dynamics” will examine the disconnect between historic highs in Gulf of Maine lobster egg production and lows in young-of-year recruitment. “Projecting climate-related shifts in American lobster habitat and connectivity” will examine the effects of ocean warming on lobster and larval development. Maine’s congressional delegation also announced the grant in a joint [news release](#). “Generations of Maine families have made their living from this fishery, and its enduring success is due in part to the research that has informed decision making and supported stewardship,” U.S. Sen. Susan Collins said in the statement. “These new research projects will help us develop and improve best practices to ensure that Maine’s lobster industry continues to thrive.” [U.S. News & World Report](#), [Maine Public](#) and [WABI](#) (Channel 5) carried the AP story. [Journal Tribune](#) reported the Wells National Estuarine Research Reserve will receive about \$250,000 over two years to study how warming coastal waters are affecting lobsters in the Gulf of Maine.

#### **Aquaculture Research Institute awarded NOAA grant to develop applied certificate program**

**12 Sep 2019**

The University of Maine’s Aquaculture Research Institute was selected to receive a \$123,735 NOAA Fisheries grant through the Atlantic States Marine Fisheries Commission (ASMFC) to fund a pilot project to create an aquaculture certificate program, which will be open to all applicants with at least a high school degree. A total of five projects designed to support NOAA’s efforts to foster responsible aquaculture and seafood security in the United States received \$575,000 in funding. UMaine’s project, “Aquaculture Workforce Development: Certificate in Applied Sustainable Aquaculture,” will pilot a low-cost aquaculture certificate program designed to address aquaculture industry workforce and extension needs in Maine by facilitating alternative career opportunities for traditional fishing communities. The project also will incorporate ARI’s internship program, which pilots new internship models to meet workforce needs through industry and academic partnerships. The 12-credit Certificate in Applied Sustainable Aquaculture,

coordinated through the ARI, will utilize the University of Maine System's extensive aquaculture resources and educational expertise to create hands-on modules credentialed through the UMaine Division of Lifelong Learning (DLL), according to an ASMFC release. These new curriculum modules will focus on aquatic animal health, shellfish and finfish husbandry, recirculating aquaculture systems, and shellfish farming, and will expand to other topics as the program grows. This year, the Aquaculture Research Institute celebrates 10 years of service to Maine as a research resource and an objective authority on aquaculture. ARI is an interdisciplinary research institute that coordinates UMaine's aquaculture facilities and resources, and is dedicated to advancing a sustainable aquaculture future in the state and beyond through its research, innovation, and education programs. Over the past decade, ARI expanded from two to 11 faculty affiliates in seven departments across three institutions. A grant from the Sustainable Ecological Aquaculture Network (SEANET) helped make this possible, and also allowed over 100 students, faculty and partner researchers to complete more than 50 aquaculture projects in five years. The other institutions selected for ASMFC aquaculture pilot project funding are the Massachusetts Division of Marine Fisheries, University of North Carolina at Wilmington, North Carolina State University, and Florida Fish and Wildlife Conservation Commission. The UMaine project also is supported by University of Maine System funds. Contact: Meggan Dwyer, 207.745.0834; [meggan.dwyer@maine.edu](mailto:meggan.dwyer@maine.edu).

#### Donors celebrating 55th UMaine Class Reunion to name engineering building

13 Sep 2019

Skowhegan natives E. James "Jim" Ferland and Eileen P. Ferland are the formerly anonymous donors whose \$10 million investment will help construct the Engineering Education and Design Center at the University of Maine. The new facility will be named in honor of the couple. The announcement was made by University of Maine Foundation president and CEO Jeffery Mills at the UMaine Alumni Association 2019 Reunion dinner Sept. 12 on campus, where Jim Ferland was celebrating his 55th class reunion. The E. James and Eileen P. Ferland Engineering Education and Design Center (EEDC) will house the Biomedical Engineering Program and Department of Mechanical Engineering, as well as teaching laboratories for mechanical engineering technology, and provide space



for all UMaine engineering majors to complete their senior capstone projects. [caption id="attachment\_72947" align="center" width="750"]

The new Engineering Education and Design Center at the University of Maine will be named for Skowhegan natives E. James "Jim" Ferland and Eileen P. Ferland, whose \$10 million investment will help construct the facility. On hand for the announcement Sept. 12 at UMaine were, left to right, University of Maine Foundation president and CEO Jeffery Mills; UMaine President Joan Ferrini-Mundy; Jim and Eileen Ferland; and UMaine College of Engineering Dean Dana Humphrey. The Ferlands' gift in March 2018 helped the UMaine Foundation set a record for giving totals — \$17.4 million in private support from more than 350 individuals, corporations and foundations. More than \$66 million of the \$75 million to \$77 million project total has now been raised. According to Mills, the Ferlands' investment gave the EEDC fundraising campaign momentum, inspiring others to believe that "together, this project will be accomplished." "We are pleased to make a contribution toward improving the infrastructure at UMaine, and hope others will be encouraged to join in bringing this important project to the finish line," said Jim Ferland. University of Maine President Joan Ferrini-Mundy thanked the Ferlands and other UMaine alumni class leaders for their contributions, and also recognized the Maine Legislature's critical \$50 million investment in this important facility that will benefit Maine and its future workforce. "The Engineering Education and Design Center will transform engineering education at UMaine and for the state, fostering an even more collaborative community of learners, teachers and partners," said Ferrini-Mundy. "This new facility will help fulfill a critical need by educating engineers for Maine and beyond, and it aligns with the University of Maine System plan for research and development." "An Engineering education provides a strong foundation for a wide range of careers," Jim Ferland said. He and his wife, Eileen, have previously endowed a \$1 million Engineering Excellence scholarship at the University of Maine Foundation to encourage students from their hometown of Skowhegan to consider the University of Maine engineering program. Jim Ferland received a bachelor's degree in mechanical engineering at UMaine in 1964 and began his career as an engineer with the Hartford Electric Light Company, a subsidiary of Northeast Utilities in Connecticut. In 1967 he joined the initial operating staff of the Millstone Nuclear Power Station and in 1976 became station superintendent, the same year he achieved an MBA from the University of New Haven. He completed the Harvard Graduate School of Business Administration's Program for Management Development in 1977 and shortly thereafter was named executive vice president and chief financial officer of Northeast Utilities. He became NU's president in 1983. In 1986, Jim Ferland was recruited by Public Service Enterprise Group (NYSE:PEG) as chairman, president and CEO, positions he held through retirement in 2007 — making him the longest serving CEO in the industry. Jim and Eileen split their time between homes in Florida and Maine and enjoy boating and traveling with their son, daughter and four grandchildren. "UMaine needs to produce more engineers to solve our world's most challenging problems," said UMaine College of Engineering Dean Dana Humphrey. "The Ferland Engineering Education and Design Center will give UMaine the capacity to educate up to 3,000 engineering students, to meet the demand for our graduates from companies in Maine and beyond." Currently, UMaine engineering graduates have a 99% placement rate in careers or graduate school. Groundbreaking for the Ferland Engineering Education and Design Center is planned in spring 2020, with anticipated completion in 2022. Fundraising for the estimated \$75 million to \$77 million EEDC project continues, including opportunities to name spaces in the facility. More information is available on the University of Maine Foundation [website](https://www.umaine.edu/foundation). The EEDC project is part of UMaine's \$200 million Vision for Tomorrow comprehensive campaign, which has raised over \$182 million, led by the University of Maine Foundation. Contact: Monique Hashey, 207.974.9899; [monique@maine.edu](mailto:monique@maine.edu)

#### UMaine organizes Biomimetics, Artificial Muscles and Nano-Bio 10th International Congress

13 Sep 2019

Engineers, scientists, medical doctors and surgeons attended the Biomimetics, Artificial Muscles and Nano-Bio (BAMN) 10th International Congress Sept. 8–11 in Bangor. The event was co-chaired by University of Maine professors of mechanical engineering Mohsen Shahanpoor and Masoud Rais-Rohani. Participants from throughout the world attended lectures, presentations, exhibits and workshops to learn about such topics as medical implants, advances in nanomaterials and energy harvesters. More information about the event is [online](https://www.bamn10.org).

#### Maine Center launches 'Greater Good' podcast series

13 Sep 2019

The University of Maine Graduate and Professional Center, or the Maine Center, has launched a podcast series devoted to complex and emerging issues in law, business and policy. "The Greater Good" features Maine Center-affiliated students, alumni, faculty and community guests. Each week, experts explore how law, business and policy contribute to the greater good of the state and nation. Early episodes focus on information privacy, rural health, the evolution of the MBA degree, Maine Law's Refugee and Human Rights Clinic work, and a recent faculty trip to Greenland. New episodes are posted every Tuesday during the fall semester. The podcasts are available on the Maine Center's [webpage](https://www.umaine.edu/good), Spotify and Apple Podcasts, and followed on Twitter [@greatergoodpod](https://twitter.com/greatergoodpod). "The Greater

Good” is produced by the University of Maine Graduate and Professional Center and recorded at the WMPG station on the University of Southern Maine campus in Portland. The Maine Center is a consortium of graduate programs that prepares current and future leaders to solve the state and nation’s most pressing challenges. Consortium partners include University of Maine School of Law, Muskie School of Public Service at the University of Southern Maine, University of Maine Graduate School of Business, and the Cutler Institute for Health and Social Policy at the Muskie School.

## **Career Center hosting several events for fall 2019 semester**

**13 Sep 2019**

*Editor's note: Story updated Sept. 18* The University of Maine Career Center will host several events in September and October. CareerFest, offering three days of career-focused events to hone career readiness skills, will take place Sept. 17–19. “Careers in a Helping Profession” will be held 1–3 p.m. Sept. 17 in the Career Center. A festival on the Mall, which will be held 11 a.m.–1 p.m. Sept. 18, will offer rapid resume reviews, LinkedIn tips, application advice and interview practice with employer experts, as well as food and prizes. Federal jobs and internships will be the focus of a panel discussion 1–3 p.m. Sept. 19 in the Career Center. Walk-in hours also will be available for meeting with career counselors at the Career Center from 1–4 p.m. Sept. 17 and 18, and 9 a.m.–noon Sept. 19. The 21st annual Engineering Job Fair will be held in the New Balance Student Recreation Center 10 a.m.–3 p.m. Oct. 16. Engineering students will network with employers and organizations seeking UMaine students for internships and full-time opportunities. Registration is [online](#).

## **Mount Desert Islander cites UMaine, Maine Sea Grant in editorial on rising sea levels**

**13 Sep 2019**

Information from the University of Maine and Maine Sea Grant was included in a [Mount Desert Islander](#) editorial on rising sea levels and climate change. Tide-gauge records in Portland showed a sea-level rise of 0.07 inches per year between 1912 and 2008. Mean sea level in Bar Harbor was up 0.12 inches per year between 1992 and 2014, according to NOAA. UMaine and Maine Sea Grant attribute the rise to a volumetric increase of the ocean as glaciers and land-based ice sheets melt, thermal expansion as the atmosphere and ocean warm, and slight regional sinking of the land along the coast, the article states. The Maine Department of Environmental Protection’s Sand Dune Rules anticipate a two-foot rise in sea level by the year 2100. The rules prohibit the construction of new, “hard” structures such as seawalls and bulkheads to prevent erosion, Mount Desert islander reported. “Today, managers recommend ‘soft’ engineering structures that protect shorefront property without worsening erosion elsewhere,” according to a fact sheet produced as a supplement to Maine’s Climate Future, which was published by UMaine.

## **Franklin Journal reports on soil health workshop**

**13 Sep 2019**

[The Franklin Journal](#) reported on a workshop offered by the University of Maine Cooperative Extension, Maine Grass Farmers Network, and the Maine Organic Farmers and Gardeners Association. About a dozen farmers gathered at Hardy Farm in Farmington to learn about the effect grazing has on soil health, and ways to improve and maintain it, the article states. The session was led by Rick Kersbergen of UMaine Extension and Fay Benson of Cornell Cooperative Extension in New York. Presentations highlighted the differences between healthy, aerated soil and overgrazed, compacted soil, according to the article.

## **Beal, McGreavy guests on ‘Maine Calling’**

**13 Sep 2019**

Bridie McGreavy, assistant professor of environmental communication at the University of Maine and faculty fellow in the Senator George J. Mitchell Center for Sustainability Solutions; and Brian Beal, professor of marine ecology and director of the Marine Science Field Station at the University of Maine at Machias, were recent guests on [Maine Public’s](#) “Maine Calling.” The radio show focused on what is being done to improve the health of Maine’s clam population.

## **AP quotes Drummond in report on pesticide linked to bird, bee deaths**

**13 Sep 2019**

Frank Drummond, a professor of insect ecology and insect pest management at the University of Maine, was quoted in the Associated Press article, “Pesticide criticized in bee deaths could also kill birds.” Researchers with the University of Saskatchewan studying a widely used pesticide said even small doses of the chemical can have crippling health effects on migrating birds, and it might be contributing to declines in their overall populations, according to the article. The insecticide is among a class called neonicotinoids that has been widely studied for its health effects on bees, the article states. The Saskatchewan study shows that the pesticide could be having a major effect in migratory songbirds, according to Drummond, who has studied the effects of neonicotinoids. Drummond, who was not involved in the study, said a major question remains about whether birds are getting exposed to the pesticide during their migration. [The Washington Post](#), [The New York Times](#), [ABC News](#), [U.S. News & World Report](#) and [The Washington Times](#) carried the AP report.

## **Emma Pooler: Political science, sociology student helps children, families as legal intern**

**13 Sep 2019**

Emma Pooler thrives on making a difference. And that’s what she did last spring as a legal intern for the Child Protection Unit (CPU) at the Office of the Maine Attorney General in Bangor, helping represent the Department of Health and Human Services and caseworkers for child protection and custody cases. “I was really lucky — they made it a huge priority to make sure that we’re sitting right on the bench with them, and meeting the judges and the justices,” says Pooler. “I’ve spent a good amount of my time (at the internship) in court, and being able to sit and watch the action.” The office serves the expanded greater Bangor area, with most cases in Bangor and the surrounding area but also covering towns like Skowhegan and Dover-Foxcroft. “It’s one of the biggest caseloads in the state,” says Pooler, a political science and sociology double major with a concentration in crime, law and justice, and minors in religious studies and legal studies. Pooler, who is passionate about the law and its applications, was able to experience what it’s like to work with the law at the state level on cases that weigh in on real people’s lives. “It’s like the state working for the state,” she says. “It helped me really cement my passion for helping children, helping families that are in such terrible, terrible circumstances.” Pooler landed her internship through a connection with Patrick Downey, an adjunct professor of political science at UMaine and an assistant attorney general, who recommended the internship when she was a student in his health care law and international law classes. As a legal intern, Pooler was right in the middle of the action. She accompanied one of the several assistant attorneys general whenever they had a case in court or a related meeting for a case. Sometimes this would be a half day, or sometimes a full day, and she went to court at least twice a week from January through May during the semesterlong position. Pooler came to understand the pervasive extent of the foster care system’s presence in Maine. Sometimes she would see a name on a case file, wonder why it looked familiar, and realize it was the child of someone who had been in the system themselves 20 years earlier. “The cycle is there, and it’s so important that the foster care system is reformed and we’re able to try to help promote a better life for a lot of kids,” she says. “The system is not perfect and it leaves a lot of kids behind.” In high school, Pooler took extra classes through Fort Kent Community High School’s Early College program, a partnership with the University of Maine at Fort Kent, and entered UMaine with 36 college credits. She’s beginning her third and final year of undergraduate study, with plans to graduate a year early. Now she is applying to law schools and preparing to take the Law School Admissions Test. “I’d love to go to law school and hopefully, I would like to move back up to Aroostook County,” says Pooler. “And I’d love to help fill a gap in the community up here that’s been struggling.” This goal is inspired by Pooler’s roots and by what she learned during her time with the CPU office. “Even doing filing behind the scenes or reading through cases or typing transcripts, all of it is something that I found so fascinating. So it really helped cement (my interest),” she says. “Even the down time that’s not as exciting as sitting on the bench talking to the judge, I still have that same excitement and I know that this is definitely something that I’d like to push to do further and pursue as a career.” Outside of work and class, Pooler is the president for UMaine’s chapter of Her Campus, a website that publishes articles written by, and for, collegiate women. “I love helping encourage girls to really see their power, and that their voices should be heard,” she says. “Even if you’re discussing your opinion on a TV show or your opinion on a policy at UMaine, I think that it’s important that you feel that you’re heard and people want to hear from you. It’s a great encouraging community — we’re not all like-minded, but we definitely all support each others’ different views and different opinions, which is something that I think is a little bit hard to find nowadays.” Pooler also enjoys spending time outdoors, especially activities like fishing, snowmobiling and kayaking. She was unsure at first about attending such a large school, one she says is twice the size of her hometown. But she wanted a challenge, so she made the leap and hasn’t looked back. She especially loves the flexible political science program that allows students to focus on their individual interests, the “amazing location” and the variety of opportunities on and off campus. “I’m so glad I chose UMaine. I don’t think there could have been a school that was a better fit for me. It’s helped really expand my horizons and helped me become more open-minded,” Pooler says. “It has helped me grow not only as a student, but as a person.” Contact: Cleo Barker, 207.581.3729

## **Water quality, economics focus of Libby Lecture in Natural Resource Policy**

**16 Sep 2019**

*Editor's note: The Libby Lecture in Natural Resource Policy has been postponed due to travel complications. The event will be held at an undetermined date later this semester.* Catherine L. Kling will present the University of Maine’s third annual Libby Lecture in Natural Resource Policy at 3 p.m. Sept. 19. The Cornell University professor will present the lecture, “Improving Water Quality: Are Economics and the Environment Always at Odds?” in the McIntire Room of the Buchanan Alumni House. The event is free and



open to the public. A reception with refreshments will follow the talk. Kling will describe trends in water quality and the benefits and costs of regulations associated with the Clean Water Act. She also will discuss the gaps in knowledge needed for a more accurate understanding of the efficiency of water quality regulations. Kling is the Tisch University Professor in the Dyson School of Applied Economics and Management and the faculty director at the Atkinson Center for a Sustainable Future at Cornell University. She is a member of the National Academy of Sciences, chair of the academy's Water Science and Technology Board and has been a member of six National Research Council studies. She served as president of the Association of Environmental and Resource Economists, has held editorial positions at 10 economics journals, and is an elected fellow of multiple environmental economics associations. Kling also served 10 years on the EPA Science Advisory Board. The annual Libby Lecture in Natural Resource Policy was established with a gift from Lawrence W. Libby '62 and Lois Murdock Libby '63. The annual lecture is a collaborative event coordinated by the College of Natural Sciences, Forestry, and Agriculture and the College of Liberal Arts and Sciences. More information about the lecture is [online](#). For additional information about the lecture, speaker, or to request a reasonable accommodation, call 207.581.1212 or email [libby-lecture-group@maine.edu](mailto:libby-lecture-group@maine.edu).

#### **Global UGRAD-Pakistan student joins UMaine community for fall semester**

**16 Sep 2019**

Noor Ul Sabah, a junior in microbiology at the University of Veterinary and Animal Sciences, Lahore, Pakistan, has joined the University of Maine community this semester as part of the U.S. Department of State's Global Undergraduate Exchange Program in Pakistan (Global UGRAD-Pakistan). The Global UGRAD-Pakistan program, which places participants at U.S. colleges and universities for one semester of non-degree academic study, is part of a broader U.S. Department of State effort to promote greater understanding between the people of the United States and the people of other countries, including future world leaders. Since the program's inception in 2010, Global UGRAD-Pakistan has provided nearly 1,800 talented, highly motivated undergraduate student leaders from underserved populations across Pakistan with the opportunity to study at a U.S. college or university. Through semester-long academic study, exploration of U.S. culture, participation in community service projects, and interactions with Americans in their host communities and campuses, Global UGRAD-Pakistan participants develop expertise in their academic fields, gain a broad and nuanced understanding of American culture and values, and go on to share this understanding of the United States with their communities when they return home. The Global Undergraduate Exchange Program in Pakistan is sponsored by the U.S. Department of State's Bureau of Educational and Cultural Affairs (ECA) with funding provided by the U.S. Government and administered by IREX. More information about the program is [online](#).

#### **Fishman speaks with BDN for article about canning tomatoes**

**16 Sep 2019**

Lisa Fishman, regional supervisor and nutrition education professional with University of Maine Cooperative Extension, was quoted in the [Bangor Daily News](#) article "Canning tomatoes like your grandmother did isn't a good idea." Tomatoes today are less acidic than tomatoes 50 or 60 years ago, so older canning recipes may no longer yield food that is safe to eat, according to the article. "We hybridize our seed supplies so that we can grow less acidic tomatoes and seedless cucumbers ... We don't necessarily know how acidic a tomato is anymore," said Fishman. This means tomatoes cannot be water bath canned as a sauce, whole, diced or in any other way unless acid is added, the article states. Fishman recommends bottled lemon juice, which is held to certain acidity standards. "Food preservation is a science," she said.

#### **Beal quoted in Press Herald article on implications of warming Gulf of Maine**

**16 Sep 2019**

Brian Beal, professor of marine ecology and director of the Marine Science Field Station at the University of Maine at Machias, was quoted in the [Portland Press Herald](#) article "Vulnerable waters off the coast of Maine." Since the record-breaking heat wave of 2012–2013, the Gulf of Maine has continued to warm, seeing its second and third warmest sea surface temperature years on record in 2016 and 2018, the article states. The warming, which is predicted to increase, has affected species from soft-shell clams and puffins to right whales and lobsters as it alters their habitats and the ecosystem balance that is important to the creatures as well as the people whose livelihoods depend on them. Maine's overall soft-shell clam harvest has fallen from nearly 34 million pounds in 1950 to 7 million in 2018, the Press Herald reported. Through his research, Beal has discovered that protecting mud flats from predators like worms and invasive green crabs can lead to the growth of "staggering quantities" of clams. "This has drawn back the curtain for us in terms of understanding what is happening in this ecosystem," said Beal. "These flats could produce lots of clams if we had fewer green crabs." The crabs invaded the Gulf of Maine in record numbers in 2013, corresponding with the record warming event. The article is part of the weeklong "Covering Climate Now" project by more than 250 news outlets around the world. [Kennebec Journal and Morning Sentinel](#) and [Biddeford Journal Tribune](#) published the Press Herald article.

#### **Morning Sentinel, News Center Maine report Skowhegan couple revealed as \$10 million donors to new engineering center**

**16 Sep 2019**

[Morning Sentinel](#) and [News Center Maine](#) adapted a University of Maine news release reporting Skowhegan natives E. James "Jim" Ferland and Eileen P. Ferland have been revealed as the anonymous donors who gave \$10 million to help build the new Engineering Education and Design Center at UMaine. The new facility, to be named in honor of the couple, will house the biomedical engineering program and department of mechanical engineering, as well as teaching laboratories and space for engineering majors to complete their senior capstone projects, according to the release. The gift, announced at the UMaine Alumni Association's 2019 reunion dinner, helped the University of Maine Foundation set a record for giving totals — \$17.4 million in private support from more than 350 individuals, corporations and foundations. "The Engineering Education and Design Center will transform engineering education at UMaine, and for the state, fostering an even more collaborative community of learners, teachers and partners," said UMaine President Joan Ferrini-Mundy. "This new facility will help fulfill a critical need by educating engineers for Maine and beyond, and it aligns with the University of Maine System plan for research and development." The new center "will give UMaine the capacity to educate up to 3,000 engineering students to meet the demand for our graduates from companies in Maine and beyond," according to Dana Humphrey, dean of the UMaine College of Engineering. [Portland Press Herald](#) carried the Morning Sentinel article, and [Mainebiz](#) also reported on the naming of the center.

#### **Fernandez discusses state's climate future on Maine Public**

**16 Sep 2019**

Ivan Fernandez, Distinguished Maine Professor in the Climate Change Institute and School of Forest Resources at the University of Maine, discussed the future of Maine's climate on [Maine Public](#). Fernandez, one of the authors of the report "Maine's Climate Future," predicts climate change will mean hot summers, warm winters, more rain and less snow, along with a warming Gulf of Maine. "What we've seen in the last five years is, obviously, a continuation — most of the time, evidence of an acceleration of many of the trends for climate change," said Fernandez. He noted that an increase in climate-related disasters like hurricanes and fires has increased public awareness. Fernandez predicts dramatic changes in how people live in coastal communities in Maine as a result of changes in climate. "Coastal communities have particular challenges — they are dealing with the same sorts of human health infrastructure, handling stormwater drain runoff in their roads, and sewer overflows on systems that can't handle the intense rain events that we seem to have more of these days, as well as dealing on the coast with rising seas," said Fernandez. He identified "the inefficiency of not using science to inform decision making" and financial resources as two challenges to addressing climate change in Maine. The Maine Public report is part of the weeklong "Covering Climate Now" project by more than 250 news outlets around the world.

#### **UMaine launches additional innovative early college programs for Maine high school students**

**16 Sep 2019**

In keeping with its long history of being a leader in early college programming, the University of Maine has launched several innovative programs for Maine high school students who wish to earn college credits before they graduate. UMaine signature online program, Academ-e, has provided educational opportunities to high school students for more than 15 years. Today, Academ-e offers more than 40 courses online and a summer STEM environmental research course in Waldo County. Other new Academ-e initiatives include a statewide online precalculus program, a summer leadership program, an outdoor leadership pathway program and a summer Upward Bound program. Through a partnership with the Maine Department of Education, UMaine tuition is waived for students of Maine public high schools and homeschools for up to 12 college credit hours per year. For more information about Early College Programs, visit [umaine.edu/earlycollege](http://umaine.edu/earlycollege) or contact Allison Small, coordinator of Early College Programs, 207.338.8004; [allison.small@umaine.edu](mailto:allison.small@umaine.edu). Summaries of each initiative follows: **Academ-e** As part of UMaine's outreach mission to serve students statewide, Academ-e has been expanded. This unique UMaine program, taught by a world-class faculty, provides access and support to all points in Maine, particularly to rural and under-resourced communities. Qualified high school students attending Maine public schools, state-approved independent institutions, GED programs, and private home schools participate in college courses using online technologies. The more than 40 courses include mathematics, sciences, arts, humanities and social sciences. **STEM Environmental Research Course** Summer 2019 was the first Integrated Science and Career Exploration (INT 188) course. This early college lab research course is designed to introduce high school students to higher education and careers in science, technology, engineering and mathematics. It includes 38 hours of course and lab work in which students undertake a guided research project with peers. Students also participate in eight hours of job shadowing and career planning with local STEM-related businesses. **Precalculus Pilot Program** Beginning this fall four Maine public high schools will be participating in a yearlong, tuition-free precalculus course (MAT 122). Through this pilot program, the precalculus course will be delivered online by a UMaine faculty member, with curricular support being provided by respective high school faculty members. UMaine expects to increase the number of participating high schools in the 2020–21 academic year. Precalculus is a four-credit transitional course between high school algebra and college mathematics, particularly calculus. Topics include a detailed study of polynomial, rational, exponential, logarithmic and trigonometric functions, stressing ideas needed by those students who will take calculus. Upon completion, students receive high school credit and four college credits. **Outdoor Leadership Pathway Program** In summer 2019, western Maine high school students participated in a new three-week course, Outdoor and Adventure Activities, at Bryant Pond 4-H Camp & Learning Center, earning tuition-free UMaine credit hours. Beginning Nov. 12, UMaine will offer the most widely recognized outdoor leader certification course, Wilderness First

Responder, at the Bryant Pond 4-H Camp and Learning Center. This 80-hour certification course meets Department of Transportation National Standards for First Responders, with additional protocols for extended-care situations. UMaine's outdoor leadership program focuses on developing an individual's leadership skills while providing intensive training in both contemporary and traditional outdoor activities, and immersion experiences in the Maine outdoors. Graduates are well positioned to succeed in a variety of outdoor-oriented careers in business, nonprofit and educational settings. Students also gain leadership skills and confidence that will serve them in any career. **Summer Leadership Program** The Maine high school Summer Leadership Institute partnered with the University of Maine Early College Program to offer the course, Foundations of Leadership (LDR 100), in a combined online/residential campus experience for selected rising high school seniors in summer 2019. This innovative, intensive, three-credit summer leadership course is devoted to the core principle of leadership oriented around public service, and is taught by a team of interdisciplinary UMaine Leadership Studies faculty and guest speakers. Contact: Diana McSorley, 338.8093; [diana.mcsorley@maine.edu](mailto:diana.mcsorley@maine.edu)

#### **Center on Aging partners on a new grant to address nutritional needs in older adults with multiple chronic conditions**

**16 Sep 2019**

The Eastern Area Agency on Aging, in partnership with St. Joseph's Healthcare, the University of Maine Center on Aging and Sencio Systems, has received a three-year, \$750,000 award from the Administration for Community Living to establish and test an innovative, technology-driven, nutrition enhancement and self-management program for older adults with multiple chronic diseases. The three-year project aims to improve the nutritional and health status of rural adults 60 and older with multiple chronic conditions immediately following hospital discharge. Improving their nutritional status and, in turn, positively impacting their health-related quality of life could make it easier for chronically ill older adults to age in place. Project partners will create an in-home nutritional module that can be locally tailored to individual health and cultural considerations including nutrition tips, coaching and healthy recipes. The project partners will work to create a practical program manual that will enable other Area Agencies on Aging nationwide to incorporate similar user-friendly technology paired with medically tailored meal configurations and menus for older adults with multiple chronic conditions. UMaine's Center on Aging will be responsible for performing all research and evaluation functions associated with this project. "This project is a prime example of how medical and social services, higher education and business organizations can effectively join forces and work together," says Lenard Kaye, director of the Center on Aging and professor of social work. "We are hopeful that such a partnership will result in the effective and efficient delivery of cutting-edge technology paired with customized meals delivery leading to reduced health care costs and improved well-being of older adults in the community." Contact: Margaret Nagle, 207.581.3745

#### **Lord Hall Gallery hosts exhibition, 'Framing Maine: Artists' Perspectives on Place,' in celebration of Maine bicentennial**

**17 Sep 2019**

In celebration of Maine's upcoming bicentennial, more than 50 works that share a strong connection to — and/or vision of — the state will be featured in the exhibition, "Framing Maine: Artists' Perspectives on Place," running Oct. 4 to Nov. 15 in Lord Hall Gallery at the University of Maine. In a wide range of media, formats and subject matter, the artworks by 34 artists represent a small but resonant sample of Maine's rich visual and cultural diversity. The exhibition is co-curated by Laurie E. Hicks, UMaine professor of art and director/curator of the Lord Hall Gallery; Carl Little, art historian, critic and author; and Kreg Ettenger, director of the Maine Folklife Center and Maine Studies Program at UMaine. An opening reception will be held in the gallery on Oct. 4 from 5:30–7:30 p.m. During the reception, a panel of artists will speak with Carl Little about their art and experiences. The conversation will focus on the importance of art in Maine's history and emerging cultural identity, as well as how the state has influenced the images and forms these artists create. The exhibition, reception and panel are free and open to the public. Lord Hall Gallery is open from 9 a.m.–4 p.m. Monday through Friday and is wheelchair accessible. To request a reasonable accommodation, call 581.3245. The panel discussion in 100 Lord Hall will be recorded and made available [online](#). The exhibition, organized by the University of Maine Department of Art and the Maine Studies Program, is held in conjunction with the lecture series, "Framing Maine: Conversations with Storytellers and Imagemakers from the Pine Tree State," organized by the Maine Studies Program. Artists in the exhibition are: Jane Banquer, Siri Beckman, Jeffrey Becton, Kevin Beers, Louise Bourne, Alan Bray, Elizabeth Busch, Barry Dana, Claud Dennis, Marsha Donahue, Evelyn Dunphy, Sarah Faragher, Stephanie Francis, Gabriel Frye, Deborah Heyden, Nina Jerome, MaJo Keleshian, Rosemary Levin, Michael Lewis, James Linehan, Larinda Meade, Daniel Minter, Johanna Moore, Ed Nadeau, Stan Neptune, Heath Paley, Molly Neptune Parker, Mark Picard, Robert Pollien, Barbara Putnam, Sarah Sockbeson, Antonia Small, Susan Smith and John Whalley. Contact: UMaine Department of Art, 207.581.3245

#### **MaineCards to be accepted at nearly 70 libraries throughout Maine**

**17 Sep 2019**

With the launch of the Maine State Library's Reciprocal Borrowing Program, University of Maine faculty, staff and students may now use their MaineCards at nearly 70 libraries throughout Maine. The Maine Reciprocal Borrowing Program allows library users with a valid library card from one participating library to visit another participating library to check out materials in person. Raymond H. Fogler Library is one of the libraries participating in the pilot program, which gives MaineCard holders "walk-in" borrowing access to more than 50 new libraries. Through the program, valid MaineCard holders can visit any of the participating libraries in person and borrow materials without needing an additional library card. The Maine Reciprocal Borrowing Program was launched as a pilot program in September 2019 with a review scheduled for August 2020. The full list of participating libraries, which includes a mix of both public and academic libraries, can be found on the Maine State Library [website](#). For more information about the program, visit the Maine State Library [website](#).

#### **Bridgton News reports 4-H lab and learning center community fundraising underway**

**17 Sep 2019**

[The Bridgton News](#) reported community fundraising efforts are underway to launch the Magic Lantern 4-H Innovation Lab and Learning Center in Bridgton. The \$4 million campaign will purchase the Magic Lantern theater and expand the community engagement it offers with the development of an innovation lab and learning center for youth, the article states. The 4-H program, run by University of Maine Cooperative Extension, plans to continue running the theater and add educational programming focused on literacy, the arts, engineering and community education. This is a 4-H Youth Development, career and aspirations project, according to the article. The campaign includes naming opportunities for the lab and learning center and each of the theaters and balconies to honor individuals, families and local businesses. For more information, contact the Maine 4-H Foundation at 207.615.7300 or email [susan.jennings@maine.edu](mailto:susan.jennings@maine.edu).

#### **BDN quotes Cole in preview of CCA's 2019–20 season**

**17 Sep 2019**

The [Bangor Daily News](#) quoted Karen Cole, associate director of the Collins Center for the Arts at the University of Maine, in an article previewing the center's 2019–20 season. "I would say there's something for everyone, and we mean everyone: country music fans, world music fans, for families, for Broadway fans, for hip hop fans, and so on," said Cole. "We've even got stuff for fans of shows like 'The Office' and 'Mystery Science Theater,' which really have some diehard fans. And there's reptiles and llamas." Chubby Checker performed at the CCA on Sept. 13, and the 34th season kicks off officially on Sept. 28 with the annual gala celebration followed by a performance from Bobby McFerrin, the BDN reported. Throughout the rest of the season, offerings include music performances ranging from country and Celtic to pop and Japanese drumming, several touring musical theatre productions, two world-class dance troupes, magic and comedy shows, and children's performances. CCA programming also will include jazz and chamber music concerts held in Minsky Recital Hall, and broadcasts from National Theatre Live and the Metropolitan Opera. And throughout the year, the CCA hosts performances by the Bangor Symphony Orchestra and UMaine's School of Performing Arts. More information is [online](#).

#### **Ms. Magazine publishes opinion piece by Blackstone**

**17 Sep 2019**

[Ms. Magazine](#) published an opinion piece by Amy Blackstone, a professor of sociology at the University of Maine. The piece was titled, "Boston's 'Straight Pride' Parade Showed Us Where Nationalism and Fertility Panic Collide."

#### **Penobscot Times advances third annual Libby Lecture**

**17 Sep 2019**

[The Penobscot Times](#) advanced the University of Maine's third annual Libby Lecture in Natural Resource Policy to be presented by Catherine L. Kling, a Cornell University professor. The lecture, "Improving Water Quality: Are Economics and the Environment Always at Odds?" will be held at 3 p.m. Sept. 19 in the McIntire Room of the Buchanan Alumni House and is free and open to the public. A reception with refreshments will follow the talk. Kling will describe trends in water quality and the benefits and costs of regulations associated with the Clean Water Act, as well as the gaps in knowledge needed for a more accurate understanding of the efficiency of water quality regulations, the article states. The annual lecture was established with a gift from Lawrence W. Libby '62 and Lois Murdock Libby '63, and is a collaborative event coordinated by the College of Natural Sciences, Forestry, and Agriculture and the College of Liberal Arts and Sciences. More information is available [online](#), or by calling 207.581.1212 or emailing [libby-lecture-group@maine.edu](mailto:libby-lecture-group@maine.edu).

## Weiskittel quoted in Undark article about trees, climate change

17 Sep 2019

Aaron Weiskittel, a professor of forest biometrics and modeling and director of the Center for Research on Sustainable Forests at the University of Maine, was quoted in the [Undark](#) article “Are We Overestimating How Much Trees Will Help Fight Climate Change?” Trees play an important role in helping offset global warming by storing carbon from atmospheric carbon dioxide in their wood, leaves and roots, the article states. But recent research has found that internal decay can significantly reduce the amount of carbon stored within trees, according to Undark. Other factors influencing how much carbon a tree can store include forest growth rates; overall tree health and age; the impact of harvesting and other kinds of losses, including disease; and a tree’s architecture and height. “I think they’re making a good point that we’re probably overestimating” carbon storage levels, Weiskittel said of the researchers. [Quartz](#) published the Undark article.

## UMaine College of Education and Human Development announces scholarship opportunity for graduate students in Oxford County

17 Sep 2019

The University of Maine College of Education and Human Development is now accepting applications for a scholarship of up to \$25,000 available to Oxford County residents seeking their master’s degree in education at UMaine. Susan Hathaway Glines, who worked as an educator in Oxford County for many years, has provided a generous donation to the University of Maine Foundation to establish the Susan Hathaway Glines Scholarship. Ms. Glines was the beneficiary of a scholarship herself during her time at UMaine, where she earned her degree in 1969. “This is my way of paying it forward,” Glines says. “With this scholarship I hope to support future Maine educators and motivate others to do so as well.” The Susan Hathaway Glines Scholarship will provide financial aid to one full- or part-time master’s candidate in the College of Education and Human Development, who lives in Oxford County. This renewable scholarship may be used for tuition, fees, books and materials (including a computer), as well as relevant professional development, conference travel or fees, and travel and lodging for classes. Besides living and teaching in Oxford County, individuals interested in the scholarship are asked to fill out a short application and submit two letters of reference that speak to their potential to be effective educators or administrators. Applicants do not need to be current students, but will need to enroll in a master’s program in the College of Education and Human Development at UMaine prior to receiving the scholarship funds. The College of Education and Human Development offers master’s programs in curriculum, assessment and instruction, educational leadership, higher education, human development, instructional technology, kinesiology and physical education, literacy education, Master of Arts in Teaching, and special education. Many degrees can be earned entirely online or through blended coursework requiring minimal travel to the UMaine campus in Orono. The gift is part of UMaine’s \$200 million comprehensive campaign, Vision for Tomorrow, led by the University of Maine Foundation. Scholarship support is a priority for the campaign. Applications for the Susan Hathaway Glines Scholarship are due Nov. 1. Questions should be directed to Jim Artesani, associate dean for graduate studies, research and outreach at [arthur.artesani@maine.edu](mailto:arthur.artesani@maine.edu).

## New publication about eastern white pine management available

17 Sep 2019

Researchers in the Maine Agricultural and Forest Experiment Station and colleagues from neighboring institutions recently published a report called “Field Manual for Managing Eastern White Pine Health in New England.” Eastern white pine is often referred to as “the tree that built America,” and has been used in boatbuilding and home construction for centuries. Today, conservative estimates of the value of white pine trees in Maine’s forests exceed \$2 billion; Maine mills annually pay \$40 million for eastern white pine logs. “This ecologically and economically important tree species has been plagued with health issues. Researchers have found that managing white pine at low densities not only improves the quality and value of the timber, but improves the health of the trees,” said Laura Kenefic, one of the report’s authors who leads the U.S. Forest Service Northern Research Station. “This win-win solution is highlighted in a new user-friendly field guide for landowners and foresters.” The manual provides readers guidance for identifying and evaluating important health problems of eastern white pine in New England, including white pine weevil, blister rust, bark scale, and needle damage, *Caliciopsis* canker, and red rot or red-ring rot. The manual also outlines silvicultural practices that can reduce risks of health problems, and improve productivity and quality of eastern white pine at various stages of stand management. In addition to being a resource for forest managers, the field manual can help woodland owners understand the risks to eastern white pine health and help justify the use of forest management. The report authors are: William Livingston, UMaine School of Forest Resources; Isabel Munck, Northeastern Area State and Private Forestry of the USDA Forest Service; Kyle Lombard and Jennifer Weimer, New Hampshire Division of Forests and Lands; Aaron Bergdahl, Maine Forest Service; Laura Kenefic, Northern Research Station of the USDA Forest Service; Barbara Schultz, Vermont Department of Forests, Parks and Recreation; and Robert Seymour, UMaine School of Forest Resources (emeritus). To download a copy, visit the Maine Agricultural and Forest Experiment Station’s [miscellaneous publications collection](#). Contact: William Livingston, [williaml@maine.edu](mailto:williaml@maine.edu)

## New study addresses changes in lobster molt timing, Gulf of Maine temperature shifts

17 Sep 2019

Variation in lobster molt timing has been increasing in recent years, and is related to changing ocean temperatures in the Gulf of Maine, according to a new University of Maine [study](#) — one of the first to provide a quantified time series for when the crustaceans annually shed their shells. Creating a time series for lobster molts and outlining the relationship of the initial intra-annual molt season to bottom water temperatures in the Gulf of Maine is important to the lobster industry because shifts in water temperature could result in changes in timing of the molt season, led by then UMaine graduate student Kevin Staples, who was pursuing a dual master’s degree in marine biology and marine policy. And the success of the lobster industry is crucial to the success and well-being of coastal Maine communities. The study, which also included UMaine School of Marine Sciences researchers Yong Chen, David Townsend and Damian Brady, was spurred by an extreme shift in timing of lobster landings in 2012, when they landed much earlier than usual. This shift, which was attributed to early molt and coincided with a warming trend that began in 2004, “had adverse impacts on the lobster supply chain and directly impacted lobster fishing communities,” according to the researchers. Using logistic models and Maine Department of Marine Resources lobster sea sampling data, the team found differences in the pattern of initial molt timing and suddenness between regions, sexes and stages of maturity of the lobsters in the sample data, and studied potential effects of seasonal temperatures on initial molt season. Warmer temperatures were usually associated with earlier molt, according to the researchers, but that relationship was not uniform across seasons, regions or lobster demographics. Lobster molt timing has become much less predictable in recent years, and this corresponds with a significant increase in ocean temperature variability, according to the researchers, whose findings were published in the journal *Fisheries Oceanography*. “The results support years of anecdotal knowledge among fishermen and scientists, showing that lobster molt timing is variable between years, progresses along the coast from southwest to northeast, and occurs in immature juveniles before mature adults,” says Staples, who is currently contract staff for the Northeast Regional Ocean Council. “The results also generally support the premise that years with warmer ocean temperatures, especially inshore, coincide with years of earlier molt timing and vice versa, though this link was not as strong as anticipated.” Lobsters molting much earlier than expected could become the new normal as variability in ocean temperature continues to increase. Next steps for this research involve investigating the impact of molt timing on social and economic systems in the lobster fishery, and investigating the social and economic impact on the lobster fleet of having better knowledge of lobster molt timing. “These proposals would extend the scope of this study and look at how variation in molt timing affects markets and communities and how potential future projections may impact the fishery,” says Staples. Contact: Cleo Barker, 207.581.3729

## Huntsberger explores growth, aging of Jonah crabs

17 Sep 2019



[caption id="attachment\_73023" align="alignright" width="225"]

Carl Huntsberger[/caption]

How can you tell the age of a Jonah crab? Carl Huntsberger knows. The grinding teeth found inside its foregut have a banding pattern — similar to tree rings — that corresponds to its age. Research professor Rick Wahle says Huntsberger’s research is important for

fishery scientists to understand population dynamics and ecology of the commercially important species.

Read the full story [online](#).

## **Study Abroad Fair to be held Sept. 19 in two locations**

**18 Sep 2019**

The University of Maine International Programs' Study Abroad Fair will be held at two times and locations on Thursday, Sept. 19. The event will be held 10 a.m.–1 p.m. in the Bangor Room of the Memorial Union and 4–6 p.m. at the New Balance Student Recreation Center. The free fair is held to inform UMaine students, faculty and staff about the programs available for all majors to study, intern, research or teach abroad. Information will be available on UMaine's direct exchange and recommended programs, which are offered in the summer, by semester or throughout the academic year, as well as scholarships and financial aid. Attendees will be able to speak with several people including program provider agents, campus program representatives, UMaine students who have studied abroad, students currently visiting on exchange from partner universities, study abroad peer advisers and study abroad office staff. More information about the Study Abroad Fair and UMaine's study abroad program is [online](#).

## **Republican Journal advances group work program at Hutchinson Center**

**18 Sep 2019**

[The Republican Journal](#) advanced a professional development program on the power of group work at the University of Maine Hutchinson Center in Belfast. The program, "Helping People Change: The Power of Groups" will be held 8:30 a.m.–3:30 p.m. Sept. 27. The program is designed for professionals interested in maximizing group work skills, including educators, health care workers, clergy, social workers and mental health professionals, the article states. The course fee is \$95 per person, \$50 for UMaine students; need-based scholarships are available. For more information, to register or to request a scholarship application or reasonable accommodation, contact Michelle Patten, 338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu). More information also is [online](#).

## **Miner recent guest on Eaton Radio**

**18 Sep 2019**

Kimberly Miner, a research assistant professor in the Climate Change Institute and a physical scientist at the Geospatial Research Laboratory at the University of Maine, was a recent guest on [Eaton Radio](#)'s "Fierce Curiosity" radio show. The show focused on Miner's research and related topics.

## **Washington Post cites Birthisel in article on Roundup alternatives**

**18 Sep 2019**

[The Washington Post](#) cited expertise by Sonja Birthisel, a postdoctoral scholar of weed ecology at the University of Maine, in the article "Whether or not Roundup is safe, the gardener has better options." More than 18,000 plaintiffs are suing Monsanto, the maker of the herbicide Roundup, alleging cancers related to the product, while the company insists Roundup is not carcinogenic, according to the Post. Regardless of the controversy, "reaching for a herbicide is treating a symptom, not the disease," and herbicides often are not necessary for home gardeners in most situations, the article states. The article suggested alternative strategies for discouraging weeds, including solarization — covering an entire area with a plastic sheet to trap the sun's rays and kill established weeds underneath. Birthisel said two weeks should be enough to kill most annual weeds, but perennials like yellow nutsedge could take as long as 12 weeks. She said drawbacks of the approach are that plastic is environmentally unfriendly, and the method is "ugly." It also can harm microbes in the soil, but they will come back, Birthisel said. [The Telegraph](#) published the Post article.

## **BDN speaks with Newsom about Nazi POW, Passamaquoddy living conditions**

**18 Sep 2019**

The [Bangor Daily News](#) spoke with Bonnie Newsom, an assistant professor of anthropology at the University of Maine, for the article "Nazi POWs may have lived better at this Down East camp than their Passamaquoddy neighbors." Seventy-five years ago, more than 200 German prisoners of war were brought to a camp in Washington County near the Canadian border, on land belonging to the Passamaquoddy tribe, according to the article. The members of the tribe were not given a say in the decision, and their living conditions may have been worse than those of the prisoners. "I think they must have had some challenges in understanding why [the German POWs] were there. It was a very complex social situation," said Newsom, who is a member of the Penobscot Nation. Newsom and Donald Soctomah, the Passamaquoddy Tribe's historic preservation officer, have conducted archaeological research at the Indian Township site, which was one of seven camps in Maine that held German POWs brought to the U.S. to address a national labor shortage from 1944 to 1946. Newsom hopes to publish a book that "would show how the Passamaquoddy Tribe fit into one of the 20th century's largest global conflicts and offer a Native American perspective on World War II-era POW camps that were located throughout Maine," the article states. The BDN reported Newsom recently received a \$6,000 grant from the American Association of University Women to create a historical manuscript that could lead to the book. "There probably were hard feelings at the time. I hope the publication [of the manuscript] will get to some of these more complex social issues," Newsom said. At the time, poverty made living conditions poor among members of the Passamaquoddy Tribe, who also were deprived of rights like voting and membership in the Maine House of Representatives, according to the BDN. The POWs, by contrast, had regular work, heated housing and prepared meals, and were rewarded for following the rules. According to Soctomah, members of the tribe were more concerned about the presence of the camp itself than the Germans living in it. "The biggest problem the tribe had was the taking of the land. At the time, we weren't given much choice of anything on our land. In a way, we felt like prisoners on our own land, without a barbed wire fence," he said.

## **Penobscot Bay Pilot publishes profile of UMaine researcher, lobsterman Huntsberger**

**18 Sep 2019**

The [Penobscot Bay Pilot](#) published a University of Maine Darling Marine Center story about Carl Huntsberger, a researcher and lobsterman who recently earned his master's degree in marine biology from UMaine. Huntsberger grew up lobstering on the Maine coast, and after completing his bachelor's degree in 2012, worked at a nonprofit research lab on Cape Cod conducting seasonal surveys on commercial scallop boats, according to the article. "The Maine coastal fishing community is very important to me. I'm collecting needed fisheries data to fill information gaps in fisheries management," said Huntsberger, who looked at determining the age of crustaceans, focusing on the Jonah crab. He worked with a team of scientists from UMaine, Bates College and University of New Brunswick in Canada, led by Richard Wahle, a research professor in UMaine's School of Marine Sciences and director of the Lobster Institute. "Carl's work makes important new inroads to our understanding of the challenge of aging crustaceans," said Wahle. "His research is getting the attention of fishery scientists managing lobster and Jonah crab fisheries of New England and Atlantic Canada who need to use this information to understand the population dynamics and ecology of these commercially important species." [Boothbay Register](#) also published the release.

## **Ranco quoted in Maine Public report on Maine native tribes, climate change**

**18 Sep 2019**

Darren Ranco, a professor of anthropology and chair of Native American Programs at the University of Maine, was quoted in a [Maine Public](#) report about how Maine tribes are adapting to climate change, which threatens cultural traditions. Native American tribes in Maine face environmental challenges, such as changes in natural resources, and pollution and contamination of waterways that diminish the supply and quality of culturally significant food sources like wild brook trout. "These are all, both, scary situations. But I also see, on the tribal side, a great ability and a resilience to respond to these potential challenges," said Ranco. He emphasized the importance of considering indigenous knowledge and science when adapting to changing environmental pressures, along with expertise from outside the tribe. "The worst thing we can do is just have some expert at some high level make a decision that impacts so many people, if they haven't really embedded themselves in what's really important to those local people," he said.

## **Rachel Hobbs and J. Andrew Cormier: Secondary education students intern at Challenger Learning Center**

**18 Sep 2019**



Rachel Hobbs and J. Andrew Cormier spent their summers as interns at the Challenger Learning Center of Maine in Bangor, working with youth in STEM-focused summer camp programs with the hope of encouraging campers to aspire to higher education and careers in these fields. Hobbs, of Presque Isle, Maine, is a fifth-year secondary education major with a concentration in life science. “My love for science is what originally drew me to this field. The hope of using my passion for scientific research and growth of understanding to ignite a desire to explore science in my future students drives me through my education journey,” she says. Cormier, of Walpole, Massachusetts, is a senior double major in secondary education and physics, with a minor in mathematics. Cormier found his passion for teaching when he was involved with the Boy Scouts in middle and high school, and realized his favorite part was teaching new skills to the younger scouts at meetings and on trips. “I was fascinated with learning how the universe around us works and I wanted to share my knowledge and excitement with people who do not know about it. So I decided that I wanted to teach physics at the high school level,” Cormier says. Hobbs began her internship in fall 2018, working with after-school programs and community outreach events, and continued through the summer. Cormier joined the program in January. This summer, the pair helped run the nine weeks of camp programs at the center, lesson planning and teaching on topics related to science, technology, engineering and math. Theme weeks included “Robot Tech,” which involved coding, 3D printing, simulations, robotic programming and engineering challenges; and “Astronaut Academy” with activities like designing prototypes of Mars habitats, flying a simulated mission, talking with NASA mission controllers and building teamwork skills. “The most interesting part of my internship is the variety of exposure it has provided me with,” says Hobbs. “Since beginning at Challenger I have had a chance to explore more technology through understanding more about the processes of computer programming and coding, 3D printing and space exploration. I have also had opportunities to interact and work with an incredible network of people involved in NASA research, operation and exploration. The experiences I have had will be carried with me into my teaching career and I am grateful for them.” When not in the classroom, Hobbs spends as much time as possible outside. “Maine is such an incredibly beautiful state and I enjoy exploring all it has to offer. A perfect day off is spent hiking, reading and enjoying Maine’s beautiful coast,” she says. “UMaine has been an ideal place for me to begin my career. The university views both science and the arts as highly important. During my time at UMaine pursuing my degree as an educator, I have learned how education is both an art and a science, and being able to see this philosophy reflected in the university is encouraging to me as a student,” says Hobbs. Cormier also has had some beneficial takeaways from the internship. “I have had the opportunity to work with an excellent team of coworkers who elevate both my and the students’ experiences to the next level,” he says. “The most interesting part so far is seeing how much information the students are able to learn. They come into the CLC with an eagerness to learn information and leave with so much more knowledge than they had before. I wouldn’t trade this opportunity for anything.” Outside the classroom, Cormier performs in shows with the Improv In Sanity group on campus, and belongs to the UMaine chapter of the Society of Physics Students. “Both of these amazing organizations have given me connections with a large group of people that have enhanced my UMaine experience exponentially,” he says. “I love UMaine because it supports its students’ passions and career opportunities. UMaine has allowed me to branch out as an individual in both my career choices and my interests,” says Cormier. “I also enjoy the close-knit community that UMaine provides. I can say with certainty that every one of my professors has provided me with opportunities for growth both inside and outside of their classes. I encourage people to take advantage of the opportunities UMaine provides as well as any professional development opportunities. The CLC has given me priceless information, skills and experiences. I hope everyone can find an opportunity like this to help them in this way.” Maine EPSCoR provided funds for the Challenger Learning Center internship program. Contact: Cleo Barker, 207.581.3729

## **NOAA Sea Grant National Aquaculture Initiative awards \$1.6M to advance sustainable aquaculture in Maine**

### **19 Sep 2019**

NOAA National Sea Grant Program awarded \$16 million for 42 projects nationwide that comprise the 2019 Sea Grant National Aquaculture Initiative. Maine Sea Grant, researchers at the University of Maine, other institutions, and partner organizations received \$1.6 million to lead four of the projects in collaboration with aquaculture industry, management and community partners. Maine Sea Grant also will participate in advanced collaborative projects led by Connecticut and Maryland Sea Grant Programs that collectively received awards totaling \$2.3 million. “Thousands of Mainers rely on marine industries for their livelihoods, and aquaculture is a promising area for growth,” said U.S. Sens. Susan Collins and Angus King. “With these new resources, the Maine Sea Grant program will be able to conduct additional research and analysis that supports the sustainability of this emerging sector of the Maine economy — from work on food safety and quality to developing new markets and providing critical information to policymakers.” The initiative will tap the expertise of university-based professionals in the Sea Grant network to address seafood consumption needs in the United States. The U.S. currently imports 85% of its seafood, resulting in a \$14 billion trade deficit, according to NOAA Fisheries. And as seafood consumption continues to rise, and wild-caught fisheries will not meet demands, new opportunities are opening in aquaculture. This is driven by the increased demand for domestic, locally sourced and sustainably produced protein, as well as the need to diversify the working waterfront and the national effort to reduce the seafood trade deficit. “Maine’s history of innovation, collaboration and economic development in this sector positioned institutions in the state to compete successfully for almost one-third of the federal funds awarded,” says Gayle Zydlewski, director of Maine Sea Grant and a professor in the UMaine School of Marine Sciences. “These new funds will help enable the next level of sustainable development for Maine’s seafood economy and brand, while addressing working waterfront and community needs.” The 42 projects nationwide are targeted in one of three areas. Ten will focus on accelerating the development of collaborative networks. Sixteen will explore new, and sometimes higher-risk, aquaculture opportunities. And 16 others will look to fill gaps in social, behavioral and economic knowledge relating to aquaculture and communities it impacts and serves. Maine received awards in all three areas. “Through its support of innovative production methods and thoughtful policy development, Sea Grant is helping ensure that the growth of U.S. aquaculture is sustainable, helps preserve opportunity in working waterfront communities and remains economically viable in a competitive world market,” said Sebastian Belle, executive director of the Maine Aquaculture Association. Zydlewski worked with Deborah Bouchard of the UMaine Aquaculture Research Institute, Belle of the Maine Aquaculture Association, Hugh Cowperthwaite of Coastal Enterprises, Inc., Chris Davis of Maine Aquaculture Innovation Center, and Teresa Johnson of the UMaine School of Marine Sciences to secure a \$1,199,996 project to establish a Maine Aquaculture Hub coordinated by Maine Sea Grant to build capacity for industry-driven innovation, diversification and workforce development. The hub will help the aquaculture industry overcome barriers associated with commerce, permitting and policies, new species, production systems, and seafood safety and quality. The award also will help train entrants to the aquaculture industry and support workforce development for existing aquaculture businesses through an expansion of the Aquaculture in Shared Waters training program, established by the project collaborators in 2013. “When National Sea Grant released the call for advanced collaborative proposals the Maine Sea Grant team immediately turned to our industry and community partners to structure a proposal to overcome barriers in Maine,” said Zydlewski. “We plan to collectively create formal opportunities for researchers, industry and interested parties to work together to identify and address these barriers.” Laura Rickard, assistant professor in UMaine’s Department of Communication and Journalism, was awarded \$249,424 to examine public perceptions of recirculating aquaculture systems (RASs) in order to support sustainable decision-making. Selecting aquaculture sites involves engaging with communities. And communities may view the facilities with delight, despair, or a combination of both, said Rickard. She will explore public perceptions, including individuals’ connections to their community and their trust in various officials, as well as communication by and about RAS facilities, including media coverage, marketing materials and public meetings. She’ll seek to identify and address potential barriers to siting aquaculture facilities, including sense of place, trust and perceived naturalness. “Greater understanding of the dynamics between aquaculture entrepreneurs and local residents and officials can enhance Sea Grant’s ability to promote a strong U.S. aquaculture sector,” said Rickard. “In particular, as land-based recirculating aquaculture systems are increasingly proposed to raise finfish in Maine, research is needed not just to inform technical and biological decision-making, but also to guide best practices for understanding, documenting and responding to community concerns about proposed sites, practices and facilities.” Rickard will be joined by Bridie McGreavy of UMaine and Branden Johnson of Decision Research. Partners include Maine Sea Grant and California Sea Grant. Through Maine Sea Grant, Jeff Auger of Mook Sea Farm was awarded \$76,868 to develop an innovative ocean-bottom cage and hauling technology for commercial shellfish growers. “As shellfish growers, we are well aware of the challenges facing shellfish aquaculturists in Maine and elsewhere,” Auger said. “The cage we propose to develop would address production challenges, such as biofouling [accumulation of microorganisms, plants and algae] and species diversification. The new cage design would also address increasing social opposition to aquaculture gear that changes boat access and impacts people’s water view.” The team includes William Mook and Meredith White of Mook Sea Farm. Maine Sea Grant is a partner. Through Maine Sea Grant, UMaine alum Marissa McMahan of Manomet, Inc. was awarded \$65,172 to examine the viability of quahog and oyster cultivation in Maine. Quahog aquaculture is a potential diversification strategy for shellfish harvesters who’ve been impacted by historically low soft-shell clam landings as well as for oyster farmers looking to hedge against a rapidly increasing supply of oysters in Maine and across the Northeast. Quahog aquaculture isn’t yet commonly practiced in Maine. But it’s a lucrative and growing industry in Massachusetts, with a value estimated at \$1.36 billion in 2016, according to the Massachusetts Division of Marine Fisheries. McMahan’s team includes Ethel Wilkerson of Manomet, Inc.; UMaine alum Caitlin Cleaver of FB Environmental and Jordan Kramer of Winnegance Oyster Farm. Maine Sea Grant is a partner. Maine Sea Grant and Maine scientists also will collaborate on two other advanced collaborative projects — one led by Maryland Sea Grant and another led by Connecticut Sea Grant. Yonathan Zohar of the University of Maryland Baltimore County is leading the \$1,198,466 project to build capacity of land-based Atlantic salmon aquaculture in the U.S. The recent exponential growth in established or planned land-based recirculating Atlantic salmon production is associated with more than \$1 billion investment into the sector. Zohar will establish a coordinated national effort to review and identify challenges and bottlenecks, and develop a road map and comprehensive strategic plan to address and overcome them. Zydlewski will serve on the Sea Grant Leadership Team with Maryland Sea Grant director Frederika Moser and Wisconsin Sea Grant director James Hurley. Bouchard of UMaine, Brian Peterson of the USDA National Cold Water Marine Aquaculture Center, Chris Bartlett of Maine Sea Grant Extension, and Bill Keleher of Kennebec River Biosciences are Maine collaborators. Whole Oceans Maine Sustainable Salmon is a Maine-affiliated partner. Anoushka Concepcion of Connecticut Sea Grant is leading the \$1,085,131 project to nurture the growth of a domestic seaweed aquaculture industry by identifying and removing barriers and promoting opportunities. Concepcion will form a National Sea Grant Seaweed Hub as a central clearinghouse for science-based, nonproprietary, practical resources related to seaweed aquaculture research and extension efforts. The hub will provide stakeholders with information to make better-informed decisions. Jaclyn Robidoux of Maine Sea Grant is a collaborator and Maine Sea Grant is a partner. Jonathan Pennock, director of the National Sea Grant College Program, said these 2019 investments will build on other Sea Grant and NOAA investments to address gaps in information, understanding and connectivity of science to industry. “These investments are critical to advancing U.S. aquaculture in sustainable, thoughtful ways using the best science and talent across the country.” The NOAA National Sea Grant Program release can be read [here](#). Contact: Gayle Zydlewski, [gayle.zydlewski@maine.edu](mailto:gayle.zydlewski@maine.edu), 207.581.1435

## **Fall Convocation to launch year of focus on fostering learner success**

### **19 Sep 2019**

A Fall Convocation will be held Friday, Sept. 20 to launch a year of focus on fostering learner success at the University of Maine and the University of Maine at Machias. The event will begin with a processional at 3:50 p.m. in Hauck Auditorium. It will feature a keynote address by President Joan Ferrini-Mundy, as well as reflections by student, faculty, staff and alumni representatives. A reception will follow in the Hauck Auditorium lobby. For more information or to request a reasonable accommodation, call 581.1512.

## **Family and Friends Weekend Sept. 20–22**

### **19 Sep 2019**

The University of Maine will hold Family and Friends Weekend Friday through Sunday, Sept. 20–22. Many events will be held on campus throughout the weekend, including the [Fall Convocation](#), planetarium shows at the Emera Astronomy Center, a lobster bake, 5k road race, carnival and petting zoo, Maine Bound Adventure Center’s Paddle Fest, a performance by magician Farrell Dillon, an L.L.Bean pop-up shop and a jazz brunch. [Online](#) registration is requested. Some events, such as the planetarium shows, require tickets. More information, including an event schedule, is on the Student Life [website](#).

## **Morning Ag Clips previews beef quality assurance workshop**

19 Sep 2019

[Morning Ag Clips](#) previewed a University of Maine Cooperative Extension beef quality assurance and low-stress cattle handling workshop to be held 5:30–7:30 p.m. Oct. 15 at Findview Farm in Gorham. UMaine Extension livestock specialist Colt Knight will lead the workshop on topics including differences between grass- and grain-fed beef, key issues with Maine-raised beef cattle and beef quality assurance, and demonstrations of low-stress handling techniques. Participants will have the opportunity to become certified in Beef Quality Assurance, according to the article. The cost is \$10 per person; online registration is required. For more information or to request a reasonable accommodation, contact Rebecca Gray, 207.781.6099; [rebecca.gray@maine.edu](mailto:rebecca.gray@maine.edu).

#### Phys.org publishes UMaine news release on lobster molt timing, ocean warming

19 Sep 2019

[Phys.org](#) published a University of Maine news release about a new study that found variation in lobster molt timing has been increasing in recent years and is related to changing ocean temperatures in the Gulf of Maine. The study was prompted by an extreme shift in timing of lobster landings in 2012, when they landed much earlier than usual. This shift was attributed to early molt and coincided with a warming trend that began in 2012, and directly impacted lobster fishing communities, the article states. The research team was led by then UMaine graduate student Kevin Staples, who was pursuing a dual master's degree in marine biology and marine policy, and also included UMaine School of Marine Sciences researchers Yong Chen, David Townsend and Damian Brady. Lobsters molting earlier than expected could become the new normal as variability in ocean temperature continues to increase, according to Staples, who is currently contract staff for the Northeast Regional Ocean Council. [Penobscot Bay Pilot](#) also published the release.

#### Johnson discusses ban of pesticide used to control potato disease for The County article

19 Sep 2019

Steven Johnson, University of Maine Cooperative Extension crops specialist, was interviewed for [The County](#) article, "The pesticide Maine potato farmers use to control disease is being banned around the world." There have been recent national and international changes in the regulation of the fungicide chlorothalonil, so growers may want to start transitioning to using newer chemicals, the article states. Chlorothalonil is the primary fungicide used to control late blight, the quasi-fungal disease that causes rots and led to the Irish potato famine. The chemical also is considered a "likely human carcinogen" by the U.S. Environmental Protection Agency, can leach into groundwater, and is toxic to fish and aquatic species, and possibly to honeybees and native pollinators. Johnson said Maine growers typically use fewer than 12 to 15 applications of chlorothalonil in a season, but future government-mandated reductions may be likely and the current amounts may also limit export opportunities. He's researching new alternatives to the chemical — they can be just as effective, and used less frequently and in smaller concentrations, but they may be unfamiliar to longtime farmers. Johnson is sharing his knowledge through meetings, field days and in newsletters, according to The County. "I've been working on this for the last 10 years," said Johnson. "We have a lot better and newer chemistries that have better and longer efficacy. Newer fungicides are used at a much lower rate and generally speaking are less toxic to people, aquatic life and non-target organisms." And these newer chemicals fit well into the strategy of integrated pest management where pesticides are used only in response to an economic threat, Johnson said. "Fungicides don't increase the yield; they protect the yield. When a yield isn't threatened, they don't need to be used for controlling the pathogen. It keeps money in people's pockets." The [Bangor Daily News](#) published The County article, and the Associated Press cited it in a news brief. [Maine Public](#), [Morning Ag Clips](#), [WABI](#) (Channel 5), [Portland Press Herald](#), [Fosters.com](#) and [Houston Chronicle](#) carried the AP article. [News Center Maine](#) carried the BDN story.

#### Mainebiz reports Aquaculture Research Institute to receive NOAA grant for new certificate program

19 Sep 2019

[Mainebiz](#) reported the University of Maine Aquaculture Research Institute has been selected to receive a \$123,735 workforce development grant from the National Oceanic and Atmospheric Administration to fund a pilot project creating an aquaculture certificate program. The project, "Aquaculture Workforce Development: Certificate in Applied Sustainable Aquaculture," is designed to address aquaculture industry workforce needs by facilitating alternative career opportunities for traditional fishing communities through the institute's internship program and a new 12-credit certificate program. The NOAA grant — one of five awarded in the United States — is administered by the Atlantic States Marine Fisheries Commission, and the project also is supported by University of Maine System funds, the article states. [Saving Seafood](#) also published the Mainebiz report.

#### Hutton, Mallory, Calderwood interviewed for Press Herald article on climate change effects on food systems

19 Sep 2019

University of Maine experts Mark Hutton, Ellen Mallory and Lily Calderwood were interviewed for the [Portland Press Herald](#) article "As Maine's climate warms, what's on the menu likely will change." Dramatic fluctuations in temperatures and rainfall, increasingly acidic oceans, new plant and shellfish diseases and insect pests may challenge what farmers can grow in Maine and what fishermen harvest from the seas, the article states. In 50 years, places like California and Latin America will be affected by drought and fire, so Maine will have less access to food typically grown there. The state is already adopting new methods to grow foods like baby ginger, sweet potatoes and artichokes traditionally found in California and Texas. However, this is due more to the success of those unconventional crops than climate change, according to Hutton, associate professor of vegetable crops, UMaine Cooperative Extension vegetable specialist and associate director of the Maine Agricultural and Forest Experiment Station. Climate "is probably not going to change what we grow. It may change when we grow it, or particularly when we can harvest it," Hutton said. "Maybe we'll be like Pennsylvania, where we have field tomatoes maturing in July rather than the end of August." He predicts vegetable crops won't disappear from Maine by 2069, but changes in temperature, rainfall patterns, and new diseases and insect pests could make them more expensive to grow. Growing potatoes in the future may require irrigation or other costly special treatments, according to Mallory, associate professor of sustainable agriculture and associate Extension professor. "The thing I feel like is (a challenge) is the increase in variability of the weather. We've already seen a dramatic increase in heavy precipitation," she said. "It's hard to predict the specific impacts, but we know that just makes the farmers' job harder." The wild blueberry growing season has been extended by about four weeks, and fewer late spring frosts mean they can grow more reliably farther north, according to Calderwood, wild blueberry specialist and assistant professor of horticulture. But the crop may also have to combat new pests and require irrigation systems to fight drought. [Biddeford Journal Tribune](#) carried the Press Herald article.

#### Today's Fall Convocation will be live streamed

20 Sep 2019

Today's Fall Convocation will be live streamed using the following Zoom link: <https://maine.zoom.us/j/761382430> The event, which launches a year of focus on fostering learner success at the University of Maine and the University of Maine at Machias, begins with a processional at 3:50 p.m. in Hauck Auditorium. It will feature a keynote address by President Joan Ferrini-Mundy, as well as reflections by student, faculty, staff and alumni representatives. For more information, call 581.1512.

#### UMaine UVote to host National Voter Registration Day event

20 Sep 2019

Members of UMaine UVote will recognize National Voter Registration Day Sept. 24. In cooperation with the national nonpartisan Campus Election Engagement Project, UMaine UVote will be on the Mall 9 a.m.–4 p.m. helping students register to vote. Students also will have the opportunity to participate in a raffle for UMaine men's ice hockey tickets or a \$100 gift card to University Bookstore. For more information, contact Abigail Despres, [abigail.despres@maine.edu](mailto:abigail.despres@maine.edu), 931.8362.

#### Kersbergen discusses tractor safety with BDN

20 Sep 2019

Rick Kersbergen, a University of Maine Cooperative Extension educator and professor, spoke with the [Bangor Daily News](#) for the article, "When it comes to kids and tractors, it's safety first." Kersbergen runs a series of farm machinery safety certification workshops around the state. "People think it's this really pastoral scene with a tractor operator driving along with a kid or grandkid riding along on his lap or sitting on a fender," he said. "That is not the way [for kids] to learn how to drive tractors, and it is dangerous." In a tractor safety course, Kersbergen said, operators learn how to safely maneuver and drive a farm tractor. Courses like the ones offered in Maine are appealing to youth and adult newcomers to farming all over the country, he said. "We really recommend taking one of these classes if you are new to tractors," Kersbergen said. "It's important to learn safety around and with tractors [because] there are just so many ways to get hurt."

#### News Center Maine reports on grant to advance sustainable aquaculture

20 Sep 2019

[News Center Maine](#) reported on a \$1.6 million grant awarded to the University of Maine to advance sustainable aquaculture. NOAA National Sea Grant Program awarded \$16 million for 42 projects nationwide that comprise the 2019 Sea Grant National Aquaculture Initiative. Maine Sea Grant, researchers at UMaine, other institutions, and partner organizations received the funds to lead four projects in collaboration with aquaculture industry, management and community partners. “Thousands of Mainers rely on marine industries for their livelihoods, and aquaculture is a promising area for growth,” said U.S. Sens. Susan Collins and Angus King. According to NOAA Fisheries, the United States imports 85% of its seafood, which has resulted in a \$14 billion trade deficit, leading to new opportunities in aquaculture to meet the demands of seafood consumption, News Center Maine reported. “These new funds will help enable the next level of sustainable development for Maine’s seafood economy and brand, while addressing working waterfront and community needs,” said Gayle Zydlewski, director of Maine Sea Grant and a professor in the UMaine School of Marine Sciences. The [Portland Press Herald](#) also reported on the grant.

#### **Fuller speaks with Franklin Journal about invasive insect damaging broccoli**

**20 Sep 2019**

[The Franklin Journal](#) interviewed David Fuller, an agriculture and nontimber forest products professional with University of Maine Cooperative Extension, for an article about an invasive insect found in Franklin County. The Swede midge, a member of the fly family, poses an economic threat to those raising broccoli, cauliflower and other members of the brassica family, according to the article. Fuller said he visited a Farmington grower’s broccoli fields four times to examine crops that weren’t growing normally. “As is typical in a new pest situation, I wasn’t able to figure out what was going on at first. I sent a sample to Extension plant pathologist Alicyn Smart. She said it wasn’t a disease,” Fuller said. “Then I looked at nutritional issues. The compost wasn’t a factor. I went out again, got a plant and brought it back to the office. I tore it apart, that’s when I found the larva.” Maine is the last New England state to have found the flies, the article states. “They have only been found in Franklin and Aroostook counties that we know of,” Fuller said. “Aroostook has thousands of acres of brassicas. They’re a big crop there.” Fuller said treatment for swede midge is challenging and will be extremely difficult for organic growers. For conventional growers, he said synthetic systemics provide the best treatment. “Now that we know what it is, we have to educate people about this insect,” Fuller said. “There are more invasive insects coming that are going to be really bad.”

#### **PBS NewsHour cites Wahle, Lobster Settlement Index in report on rising ocean temperatures**

**20 Sep 2019**

[PBS NewsHour](#) mentioned Rick Wahle, professor and director of the Lobster Institute at the University of Maine, in the report, “What rising temperatures in the Gulf of Maine mean for the state’s lobster industry.” Due to climate change, the waters off southern New England have become too warm for the temperature-sensitive crustaceans, leaving Maine as the “sweet spot” for fishing lobsters, PBS NewsHour reported. But the Gulf’s own rising temperatures mean the lobster boom may not last forever, the report states. Wahle leads the American Lobster Settlement Index. In recent years, he and his team have found many fewer juvenile lobsters on the seafloor, according to the report, which could be the first indication a population decline is under way.

#### **Numerous UMaine and UMM experts tapped for Maine Climate Council, a subcommittee and working groups**

**20 Sep 2019**

University of Maine professor Ivan Fernandez has been appointed to serve on the Maine Climate Council, and will serve as co-chair of the Science and Technical Subcommittee. Numerous other experts from UMaine and University of Maine at Machias have been invited to serve on the Science and Technical Subcommittee, as well as working groups. Climate Council members are department commissioners, state leaders, science and technical experts, business and nonprofit leaders, municipal leaders, a tribal representative, and a representative of Maine youth. It is co-chaired by Hannah Pingree, director of the Governor’s Office of Policy Innovation and the Future, and Jerry Reid, commissioner of the Department of Environmental Protection, according to a Sept. 19 [news release](#) from the Governor’s Office announcing the membership. The Climate Council, proposed by Gov. Janet Mills in April and passed by the Legislature, is charged with “establishing strategies and initiatives to help the state meet its greenhouse gas reductions and renewable energy generation targets as it works to combat climate change, and to make sure our communities, industries and people are resilient to the changes our state is facing.” Fernandez is a professor of soil science and Distinguished Maine Professor in the School of Forest Resources, Climate Change Institute, and School of Food and Agriculture. He is one of the authors of the “Maine’s Climate Future” reports published in 2009 and 2015. He also is the UMaine representative to the USDA Northeast Climate Hub. Fernandez’s more than 30 years of internationally recognized research, rooted in the effects of acid rain and climate change in Maine, has informed national policy regarding air, water and soil pollution; climate change; and human-ecosystem connections. Other UMaine and UMM experts invited to participate in the Science and Technical Subcommittee, according to the Governor’s Office of Policy Innovation and the Future: Sean Birkel, Maine State Climatologist and research assistant professor, Climate Change Institute; Bradfield Lyon, associate research professor, Climate Change Institute; Joseph Kelley, professor of marine geology; Robert Steneck, professor of marine sciences; Richard Wahle, research professor and director of the Lobster Institute; Brian Beal, UMM professor of marine ecology; Glen Koehler, associate scientist, UMaine Cooperative Extension; Richard Kersbergen, UMaine Extension professor; Adam Daigneault, assistant professor of forest, conservation, and recreation policy; Aaron Weiskittel, Irving Chair of Forest Ecosystem Management; and Jonathan Rubin, director of the Margaret Chase Smith Policy Center. Rubin also has been invited to participate in the Transportation Working Group. Weiskittel and Hannah Carter, UMaine Extension dean, have been invited to participate in the Natural and Working Lands Working Group. Heather Leslie, director of UMaine’s Darling Marine Center, has been invited to co-chair the Coastal and Marine Working Group, and David Townsend, professor of oceanography, and Kathleen Bell, professor of resource economics and policy, have been invited to participate. Other working groups: Buildings, Housing and Infrastructure Working Group — Stephen Shaler, director of the School of Forest Resources; and Daniel Dixon, director of the Office of Sustainability. Energy Working Group — Jeffrey Thaler, visiting professor of energy policy, law and ethics. Community Resilience, Public Health and Emergency Management Working Group — Tora Johnson, UMM associate professor and director of the GIS Service Center; Esperanza Stancioff, professor and climate change lead for UMaine Extension and Maine Sea Grant; Katherine Glover, postdoctoral research associate with the Climate Change Institute; and Daniel Belknap, emeritus professor, School of Earth and Climate Sciences, and Climate Change Institute. Contact: Margaret Nagle, 207.581.3745

#### **UMaine awarded nearly \$1.4 million for transformational floating offshore wind energy technology**

**20 Sep 2019**

The University of Maine Advanced Structures and Composites Center (UMaine Composites Center) has been awarded nearly \$1.4 million from the U.S. Department of Energy’s Advanced Research Projects Agency-Energy (ARPA-E) program, and will collaborate on a more than \$1.5 million award to the National Renewable Energy Laboratory, both focused on research related to transformational floating offshore wind energy technology. UMaine received a highly competitive \$1,398,202 award from ARPA-E to design an ultra-lightweight, corrosion-resistant, concrete floating offshore wind turbine (FOWT), equipped with NASA motion mitigation technology, originally developed to reduce vibrations in rockets. In addition, the UMaine Composites Center is a key collaborator in another \$1,529,923 ARPA-E award working with the National Renewable Energy Laboratory (NREL) to validate new, optimized designs for floating offshore wind. “We are very appreciative that ARPA-E has selected UMaine for these very highly competitive awards,” says Habib Dagher, executive director of the UMaine Composites Center. “With this funding, we plan to further stabilize our floating wind turbine hull technology in extreme storms by integrating NASA rocket vibration suppression technology into the design. This will help lighten the hull and further decrease our already very low electricity costs. This work builds on our 12 years of experience in floating wind technology, and provides a whole new direction that could further revolutionize the design.” UMaine has adapted the NASA technology to counteract FOWT motions, leading to lighter platforms, increased turbine performance, and a lower levelized cost of energy (LCOE). The proposal will take a radical next step in the field of offshore wind, while building on UMaine’s experience in successfully designing and deploying the first grid-connected floating offshore wind turbine in the U.S. The proposed technology is a departure from current floating concepts and achieves a significant LCOE reduction, even when using standard wind turbine architectures. “This program will leverage the unique design, numerical modeling and scale model testing expertise located at the UMaine Harold Alfond W2 Ocean Engineering Laboratory to significantly advance this concept and offer a cost-competitive solution to industry,” says Anthony Viselli, manager of offshore design and testing at the UMaine Composites Center. In collaboration with UMaine, NREL will develop and execute the Floating Offshore-wind and Controls Advanced Laboratory (FOCAL) experimental program. The project’s goal is to generate the first public FOWT scale-model data set to include advanced turbine controls, floating hull load mitigation technology, and hull flexibility. Current FOWT numerical tools require new capabilities to adequately capture advanced designs based upon control co-design methods. The FOCAL experimental program will generate critical data sets to validate these capabilities from four 1:60-scale, 15-MW (megawatt) FOWT model-scale experimental campaigns in the UMaine Harold Alfond W2 Ocean Engineering Laboratory. The experiments will generate data for FOWT loads, motion and performance, while operating with advanced turbine and platform controls in realistic wind and waves. The UMaine Composites Center received the competitive awards from ARPA-E’s Aerodynamic Turbines Lighter and Afloat with Nautical Technologies and Integrated Servo-control (ATLANTIS) program, which seeks to develop radically new FOWTs by maximizing their rotor-area-to-total-weight ratio while maintaining or ideally increasing turbine generation efficiency; build a new generation of computer tools to facilitate FOWT design; and collect real data from full- and lab-scale experiments to validate the FOWT designs and computer tools. Contact: Meghan Collins, 207.581.2117, [mc@maine.edu](mailto:mc@maine.edu)

#### **‘Growing Maine’ gets sweet with Monica’s Chocolates**

**23 Sep 2019**

University of Maine Cooperative Extension released the latest installment of “Growing Maine,” a series of short documentaries highlighting Maine food producers and farm families. The latest [video](#) in the series takes viewers to Lubec and the home of Monica’s Chocolates. Originally from Peru, and despite being a novice chocolatier, Monica Elliot built a successful chocolate business selling truffles and other confections. Even after an early cancer diagnosis, she persevered. Elliot shares her personal journey, passion for the business, and aspirations for the business to stay in Lubec. The “Growing Maine” video series helps consumers get to know their food sources better, as farmers and producers share their behind-the-scenes perspectives on how decisions are made. For those aspiring to farm, the videos are a way to hear directly from farmers and producers about what is most important to them. UMaine Extension helps support and grow the food-based economy statewide, and is the only entity that touches every aspect of the Maine Food System, where policy, research, education, production, processing, commerce, nutrition, and food security and safety are integral and interrelated. Videos in the “Growing Maine” series are [online](#). Viewers also have the opportunity to suggest story ideas for videos that will be released throughout the year. For more information, contact Leslie Forstadt, 207.581.3487; [leslie.forstadt@maine.edu](mailto:leslie.forstadt@maine.edu).

## **VillageSoup previews Snell's Union talk on cookbooks, politics**

**23 Sep 2019**

[VillageSoup](#) reported Rachel Snell, a lecturer in the University of Maine Honors College, will speak about the use of community cookbooks by women in politics Oct. 2 at Union Historical Society. Beginning at 7 p.m., Snell will explain how Margaret Chase Smith's campaign for the Republican nomination relied on food-related tactics developed by generations of politically motivated women, according to the report. She will place Smith's blueberry muffin recipe within a broader historical context of women's use of recipes to gain entry into the political sphere, with a focus on Maine's community cookbooks. Efforts to connect with voters through recipes, and the criticism Smith received, demonstrate how food femininity both constrained women's civic participation and offered a potential competitive advantage, the article states.

## **Sun Journal quotes Birkel in report on local effects of climate crisis**

**23 Sep 2019**

The [Sun Journal](#) quoted Sean Birkel, Maine state climatologist and a research assistant professor at the University of Maine Climate Change Institute, in the article "The climate crisis hits home in Central and Western Maine." One visible effect of climate change in Maine is that ticks are becoming more common. Birkel said deer ticks have "become entrenched" in Maine in the past two decades, partly due to warmer weather that allows more deer to survive the winter, and partly because ticks are suited to the way Maine summers have changed. According to Birkel, "there is a sense of despair" for some people, but if they make good choices in their personal lives, including voting for candidates who will take the climate crisis seriously, the worst can be avoided, the article states. "We shouldn't lose hope," said Birkel. Giving in to the "dire and bleak" outlook isn't the answer, he said, and it's much better for everyone to do what they can to minimize their impact on the environment and consider what it takes to adapt to a warmer world. "We do need to work toward both," he said. [Portland Press Herald](#) published the Sun Journal article.

## **WABI speaks with Annis about Hirundo Fall Fest, mushroom foraging**

**23 Sep 2019**

[WABI](#) (Channel 5) spoke with Seanna Annis, associate professor of mycology at the University of Maine, for a report on the annual Fall Fest at Hirundo Wildlife Refuge in Old Town. On Sept. 21 and 22, the refuge offered a variety of activities to celebrate the season, including a fungi foraging workshop that aimed to educate people about the variety of mushrooms growing in Maine. "We have a lot of questions from the public about 'can we eat this?'" said Annis. "Can we, and we're interested, especially when there's a lot of fungi out in the woods like there is this year, it's really good for people to understand and know what are the fungi doing out in the woods and what are the different diversity that you see out there." The important thing to remember when foraging is not to eat anything before consulting an expert, WABI reported.

## **BDN editorial mentions conversation with CCI researchers**

**23 Sep 2019**

The [Bangor Daily News](#) previewed a talk with University of Maine researchers in the editorial, "A focus on climate change is welcome, but now it's time for action." Climate change — and the need for action to combat it — will be a particular focus for the next week, the editorial states. While bringing attention to the effects of climate change is important, the difficult task, especially in the United States, is prompting action, according to the BDN. The editorial mentioned a sold-out Sept. 24 [conversation](#), "Bangor Daily Brews: Climate change and Maine's next 200 years," with Climate Change Institute researchers Paul Mayewski, Cindy Isenhour and Sean Birkel.

## **CCI researchers to be featured in 'Bangor Daily Brews' conversation**

**23 Sep 2019**

Researchers with the University of Maine Climate Change Institute will take part in a sold-out conversation Sept. 24 hosted by the Bangor Daily News. Maine's upcoming bicentennial has the BDN editorial board thinking about how the state's climate has changed in the past 200 years, and what the next 200 years could look like, according to the newspaper. "Bangor Daily Brews: Climate change and Maine's next 200 years," will feature Paul Mayewski, Distinguished Maine Professor in the School of Earth and Climate Sciences and director of the CCI; Cindy Isenhour, a professor of anthropology and climate change and faculty associate in the Senator George J. Mitchell Center for Sustainability Solutions; and Sean Birkel, Maine State Climatologist and a research assistant professor at the CCI. The event will be held at Sea Dog Brewing Co. in Bangor. More information is [online](#).

## **UMaine awarded \$3M to train grad students to develop innovative solutions to serious health challenges**

**23 Sep 2019**

Advancing the understanding of disease dynamics at the intersection of human, animal, plant and environmental health is the focus of a new initiative at the University of Maine. The One Health and the Environment initiative was awarded nearly \$3 million from the National Science Foundation Research Traineeship program. "This One Health initiative is exciting because it leverages UMaine expertise across multiple fields to design innovative solutions to combat environmentally linked diseases, plus it develops the leaders who can address these complex issues both now and in the decades ahead," says Mario Teisl, director of the School of Economics and principal investigator of the grant. The five-year project, which aligns with the University of Maine System "[Research and Development Plan](#)," anticipates training 71 master's and Ph.D. students, including 21 funded trainees, from a variety of STEM fields. The project will complement a current NSF-funded Research Experience for Undergraduates program that recruits 10 undergraduate students from around the country to UMaine each summer for an immersive research experience focused on One Health and the Environment. One Health involves faculty from multiple disciplines, including biology and ecology, marine sciences, economics, wildlife, forest resources, entomology, and veterinary and animal science. Andrei Alyokhin, professor of applied entomology; and Anne Lichtenwalner, associate professor of animal and veterinary sciences, Extension veterinarian, and director of the Veterinary Diagnostic Laboratory, are co-principal investigators on the NSF-funded project. Globally, as well as in Maine, environmental changes, an aging human population, and the increasing prevalence of infectious diseases of animals, plants and people highlight the need for training professionals in an interdisciplinary approach, according to the researchers. As much as 60% of the emerging infectious diseases in humans have originated in animals, such as Eastern equine encephalitis, which was recently detected in Southern Maine. These diseases are costly to people and the community, the researchers state. Alyokhin, who has studied the spread of plant pathogens within Maine potato fields for almost 20 years, says he looks forward to "joining forces with other UMaine researchers to develop a workforce that can do high-quality science across a variety of disciplines while also supporting Maine's farming communities." The project will encourage interdisciplinary environmental research by trainees in a range of systems, from marine to terrestrial, rural to urban, and economic to cultural. "The emergence of diseases that pass from animals to humans is often driven by a combination of ecological, demographic, and socio-economic factors," says Pauline Kamath, an assistant professor of animal health who is involved with the project. "This program will train the next generation of researchers to recognize these links and effectively work across disciplines to find creative solutions to complex disease problems, such as predicting the spillover of avian influenza viruses in migrating waterfowl, or mitigating the increase in Lyme disease incidence in Maine." Working with internship partners, including the Maine Medical Center Research Institute, the Trust for Public Land, and the Maine Center for Disease Control and Prevention, will allow the trainees the opportunity to also consider management and policy challenges in developing solutions to One Health problems. Training in cross-disciplinary communication will enable students to engage with diverse scientific communities, stakeholders, citizen scientists and the public. The traineeship is designed to increase the participation of women, first-generation students, veterans, students with disabilities and other traditionally under-represented groups. The project also will develop new graduate degree programs and concentration areas in One Health. More about UMaine's One Health and the Environment initiative is [online](#). The [NSF Research Traineeship program](#) recently awarded \$49 million to 17 institutions across the country to develop and implement graduate education traineeship models in STEM fields. The projects will immerse students in interdisciplinary research and deliver training in career-aligned skillsets, that will enable the next generation of scientific leaders to tackle complex societal problems. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## **Free yoga class offered to gardeners, farmers in Falmouth**

**24 Sep 2019**

University of Maine Cooperative Extension will host a free yoga class for gardeners and farmers 6–7 p.m. Thursday, Sept. 26, at the University of Maine Regional Learning Center, 75 Clearwater Drive, Falmouth. Brie Weisman, Maine AgrAbility specialist, OTR/L, and owner of Adapt-Able Living in Rumford, will instruct the class. She'll demonstrate ways to incorporate yoga into daily routines, using stretches that can be done sitting or standing. Class size is limited; registration is required. Register [online](#). For more information or to request a reasonable accommodation, contact 207.781.6099; [pamela.hargest@maine.edu](mailto:pamela.hargest@maine.edu). More information also is [online](#).

## **Learn about caring for backyard poultry in winter**

**24 Sep 2019**



University of Maine Cooperative Extension in Piscataquis County is holding a free winter care workshop for small-scale poultry producers. The program will be offered twice Sept. 26 — 10 a.m.–12:30 p.m. and 6–8:30 p.m., at the UMaine Extension office in Dover-Foxcroft. Workshop topics will include poultry breeds, housing, health and nutrition, demonstrations of various waterers and lighting options, and ideas for do-it-yourself poultry equipment. Extension educator Donna Coffin and Extension livestock specialist Colt Knight will lead the workshop. The workshop is free; [online](#) registration is required. An optional book, “Storey’s Guide to Raising Chickens,” can be ordered for \$20. For more information or to request a reasonable accommodation, contact 564.3301; [extension.piscataquis@maine.edu](mailto:extension.piscataquis@maine.edu). More information also is [online](#).

#### **Hutchinson Center provides program on power of group work**

**24 Sep 2019**

The University of Maine Hutchinson Center in Belfast is offering a professional development program on the power of group work 8:30 a.m.–3:30 p.m. Sept. 27. “Helping People Change: The Power of Groups” will focus on gaining insight into therapeutic or curative factors that make groups work; appreciating the power of group work; predicting, normalizing and handling challenges in running groups; and experiencing the effectiveness of groups as a leader, member or observer. The value of humor in group work also will be discussed. The program is designed for professionals interested in maximizing group work skills, including educators, health care workers, clergy, social workers and mental health professionals. The program is led by Wendy Satin Rapaport, a licensed clinical psychologist on the faculty at the University of Miami School of Medicine Diabetes Research Institute and with UMaine School of Social Work. The cost is \$95 per person, \$50 for UMaine students, and need-based scholarships are available. For more information, to register or to request a scholarship application or a reasonable accommodation, visit the Hutchinson Center [website](#) or contact Michelle Patten, 338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

#### **News Center details funding bill that supports potato research**

**24 Sep 2019**

[News Center Maine](#) reported the U.S. Senate Appropriations Committee advanced a funding bill that would provide \$20 million to the University of Maine Cooperative Extension Potato Integrated Pest Management program. [RFD-TV](#) — a 24-hour television network in Nashville, Tennessee featuring programming centered on agribusiness, equine and rural lifestyles — carried the [AP story](#).

#### **Media report on award to design concrete floating offshore wind turbine**

**24 Sep 2019**

[Mainebiz](#) and [Offshore WIND](#) announced the U.S. Department of Energy had awarded the University of Maine \$1.4 million to design a concrete floating offshore wind turbine. The grant — one of 13 made nationwide totaling \$26 million — is part of the federal agency’s Aerodynamic Turbines, Lighter and Afloat, with Nautical Technologies and Integrated Servo-control (ATLANTIS) [program](#). The goal is to develop new technologies for floating offshore wind turbines in three development areas — new designs, computer tools and experiments. UMaine will design an ultra-lightweight, corrosion-resistant, concrete floating offshore wind turbine equipped with motion mitigation technology originally developed by NASA to reduce vibrations in rockets. Harnessing just 3% of the Gulf of Maine [offshore wind](#) resource is enough to heat every home in Maine and convert every car to electricity, according to Mainebiz. “With this funding, we plan to further stabilize our floating wind turbine hull technology in extreme storms by integrating NASA rocket vibration suppression technology into the design,” Habib Dagher, executive director of the UMaine Composites Center, told Offshore WIND. [Recharge](#) also reported on the award. [Windfair](#) posted the UMaine release.

#### **WGME highlights UMaine UVote effort Sept. 24 on the Mall**

**24 Sep 2019**

[WGME](#) (Channel 13 in Portland) included the University of Maine in its National Voter Registration Day roundup. In cooperation with the national nonpartisan Campus Election Engagement Project, members of UMaine UVote will recognize National Voter Registration Day by tabling on the Mall. The group will help students register to vote. Students also will have the opportunity to participate in a raffle for UMaine men’s ice hockey tickets or a \$100 gift card to the University Bookstore.

#### **Kreutz attends UArctic meeting in Sweden**

**25 Sep 2019**

Karl Kreutz, professor in the Climate Change Institute and the School of Earth and Climate Sciences, attended the annual meeting of the [University of the Arctic](#) (UArctic) in Stockholm, Sweden from Sept. 18–20. The University of Maine Climate Change Institute is a member of UArctic — a cooperative network of universities, colleges, research institutes and other organizations concerned with education and research in and about the North. “UMaine’s membership in the University of the Arctic is a valuable way for us to connect our polar education and research efforts with like-minded institutions internationally,” says Kreutz. “Our students have access to a range of opportunities that will help them contribute to a better understanding of the rapidly changing Arctic.” UArctic was established by the Arctic Council in 1998 and was officially launched in 2001 in Rovaniemi, Finland. It partners with the UNESCO (United Nations Educational, Scientific and Cultural Organization) as a nongovernmental organization. UArctic seeks to enhance human capacity in the North, promote viable communities and sustainable economies and forge global partnerships. It creates shared knowledge, competences and resources; connects traditional and indigenous knowledge systems with modern academia; partners with northern communities and indigenous populations to respond to their educational aspirations and requirements; and broadens the voice of the North in the world.

#### **Hutchinson Center offers certificate program in grant writing**

**25 Sep 2019**

The University of Maine Hutchinson Center in Belfast will offer a grant writing certificate program from 9 a.m. to 4 p.m. Sept. 30–Oct. 4. Nonprofit leaders, executive directors, municipal officials, board members and others interested in creating high-quality grant proposals for their organizations are invited to register. The program provides an opportunity to acquire the skills necessary to succeed in today’s competitive grant writing environment. Participants will proceed step-by-step through the development of a proposal, identifying and evaluating the most appropriate funding sources, researching a problem, and supplying the documentation and statistics necessary for supporting a successful grant proposal. Course instructor Jack Smith has a Master of Public Administration from UMaine and more than 25 years of experience in the nonprofit and public sector. He has taught more than 1,500 grant writing programs in his career, and currently teaches grant writing certificate programs at the Hutchinson Center, University of Southern Maine, Emory University, University of Georgia and Austin Community College’s Center for Nonprofit Studies. Cost of the five-day program is \$750; need-based scholarships are available. Participants will earn a UMaine certificate in grant writing; 3.0 CEUs/30 contact hours also are available. To register, visit the Hutchinson Center [website](#). For more information or to request an accommodation or scholarship application, contact Michelle Patten, 338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

#### **Fulbright conference focuses on farms, food, human health**

**25 Sep 2019**

Raising awareness of the impact of farming practices and food processing on human health is the focus of a day-long conference Oct. 19 at the University of Maine, organized by the Maine chapter of the Fulbright Association. “From Farm to Healthy Body: A Sustainable Model for the Planet and the Individual” will be held from 9:30 a.m.–3 p.m. in Wells Conference Center. Registration is required by Oct. 1 for the free public event by contacting the conference organizer Dorothy Klimis-Zacas, UMaine professor of clinical nutrition, [dorothea@maine.edu](mailto:dorothea@maine.edu). Klimis-Zacas also is the contact to request a reasonable accommodation. Conference speakers include Sarah Alexander, executive director, Maine Organic Farmers and Gardeners Association, speaking on “Local Food Systems, Sustainability and Human Health”; John Jemison, University of Maine Cooperative Extension soil and water quality specialist, “Soil Management for Healthy Food and a Healthy Planet”; Balunkeswar Nayak, UMaine associate professor of food science and human nutrition, “How Do Post-Harvesting and Processing Methods Influence Food Safety?”; and John Navazio, manager of plant breeding, Johnny’s Selected Seeds, “Breeding Cold-Hardy Leafy Green Vegetables for Winter Production in Colder Temperature Climates.” The conference is part of the annual meeting of the Maine chapter of the Fulbright Association.

#### **Lancaster Online shares Cooperative Extension’s gluten-free flour mix**

**25 Sep 2019**

[Lancaster Online](#) in Pennsylvania included a University of Maine Cooperative Extension recipe for Gluten-Free Flour Mix in a roundup of nonwheat flours recipes.

## **Ellsworth American advances Riordan's bicentennial talk in Blue Hill**

**25 Sep 2019**

The [Ellsworth American/ Mount Desert Islander](#) advanced University of Maine history professor Liam Riordan's talk titled "Past and Present Perspectives on Maine Statehood" on Oct. 12 at the Blue Hill Public Library. A reception for Blue Hill Historical Society members will be held 6–6:30 p.m. and Riordan's lecture will begin at 7 p.m.

## **Boothbay Register cites Margaret Chase Smith Policy Center's economic report**

**25 Sep 2019**

The [Boothbay Register](#) cited the Margaret Chase Smith Policy Center's economic impact report for the Bigelow Laboratory for Ocean Sciences. The policy center found in 2018 the laboratory contributed \$23.7 million to the state's economy. The report quantified the ways the laboratory contributed to the economy — through supporting its employees, purchasing goods and services, and attracting visitors to the region.

## **News Center, WABI cover UMaine UVote efforts**

**25 Sep 2019**

[NewsCenter Maine](#) and [WABI](#) (Channel 5) covered UMaine UVote's efforts to register students to vote on Sept. 24 — National Voter Registration Day. UMaine UVote is part of a national nonpartisan group leading the Campus Election Engagement Project, designed to increase the number of young people registered to vote. "In general, national election statistics, and our own, personal, university statistics, the 18 to 25 age bracket votes at the lowest turnout of all age brackets for voters. So, it's really important that we have as many students as possible turning out to the polls," student volunteer Abigail Despres told WABI. Tuesday night's preliminary count indicated at least 150 students registered to vote.

## **Livingston to talk about fall foliage Sept. 25 on Maine Calling**

**25 Sep 2019**

William Livingston, associate director for undergraduate education and associate professor of forest resources at the University of Maine, will talk about fall foliage and tourism on [Maine Calling](#) 1–2 p.m. Wednesday, Sept. 25.

## **BDN covers UMaine's efforts to be named 'Most Outdoorsy' school**

**25 Sep 2019**

The [Bangor Daily News](#) reported the University of Maine is competing for the title of "Most Outdoorsy" school in [the Association of Outdoor Recreation and Education Campus Challenge](#). Students, faculty, alumni and community members can take part in the challenge that runs through Oct. 13. "The average person is spending eight hours or more in front of a screen every day and only spending a few minutes in the outdoors," said Chris Bartram, assistant director for Maine Bound Adventure Center at UMaine. "This is really a way of getting people outside, teaching them better habits, teaching them how to recreate." An app allows participants to share photos and words of encouragement, and see how other universities are doing in real time. Sept. 23, UMaine was in second place for Division I schools, just below Texas Woman's University. To participate, download the app, select UMaine and log your outdoor activities, which can range from stargazing to rock climbing. To log an activity, the app asks participants to take a photo and describe the activity. UMaine kicked off the competition with a zip line, giant swing and portable climbing tower. Saturday, a few hundred people took part in a paddle fest on the Stillwater River. Upcoming events include a night 5K run with headlamps, a petting zoo, cat yoga, and a presentation by outdoor educator Abby Rowe. To learn more and to download the app, visit [umaine.edu/mainebound/programs/occc](http://umaine.edu/mainebound/programs/occc).

## **CCI scientists featured at BDN 'Climate change and Maine's next 200 years' event**

**25 Sep 2019**

The [Bangor Daily News](#) covered its sold-out "Bangor Daily Brews: Climate change and Maine's next 200 years" event featuring University of Maine Climate Change Institute researchers Paul Mayewski, Sean Birkel and Cynthia Isenhour. "I think for a long time the media was treating this [climate change] as a situation in which there were two sides," says Mayewski, the Distinguished Maine Professor in the School of Earth and Climate Sciences and director of the CCI. "But, of course, in truth, there really aren't two sides. When you speak to the scientific community, it's 98, 99 percent of the people who understand what's going on in the climate system who believe that humans have had a great impact." Isenhour says it's important to follow the money, due to concentrated efforts to undermine the science and to create doubt, which is unique to the United States. "The [hard] science is there," says the professor of anthropology and climate change and faculty associate in the Senator George J. Mitchell Center for Sustainability Solutions. "We need to figure out how to really understand this problem as a social problem."

## **March Against Domestic Violence on Oct. 2 on the Mall**

**26 Sep 2019**

The University of Maine's sixth annual March Against Domestic Violence will begin at noon Wednesday, Oct. 2 on the Mall in front of Fogler Library. The Maine Business School (MBS) Corps sponsors the march. Partners are Title IX Student Services, Student Life, UMaine Athletics, UMaine Army ROTC, Rising Tide Center, Partners for Peace, and other organizations. Following the march, U.S. Rep. Jared Golden is scheduled to deliver remarks. Other scheduled speakers include Robert Dana, vice president for student life and dean of students at UMaine; Casey Faulkingham, community response team leader at Partners for Peace; representatives of several on-campus groups, including MBS Corps, Male Athletes Against Violence (MAAV) and UMaine Army ROTC; as well as members of the community who have been affected by domestic violence. After the speakers, a moment of silence will be followed by the reading of names of people killed in 2018 and 2019 in Maine as a result of domestic violence. Flowers in remembrance of their lives will be placed on the library steps. Last year's march drew about 200 participants. Everyone is encouraged to attend and support the cause. In the event of a downpour, the march will be suspended and speakers will share their thoughts at noon in the North Pod of Memorial Union. Follow #umaineMADV and #umainetakesaction on social media. For more information, email Nory Jones at [njones@maine.edu](mailto:njones@maine.edu). To request a reasonable accommodation, 207.581.1226. Partners for Peace has a confidential 24-hour helpline, 1.800.863.9909, for anyone who is being abused, or anyone who is concerned about someone they know being abused.

## **WABI talks with panelists at UMMA discussion**

**26 Sep 2019**

[WABI](#) (Channel 5) covered a Sept. 25 panel discussion at the University of Maine Museum of Art in Bangor. The UMMA's fall exhibition — "Studio Visit" — is free and open to the public. "It's really wonderful because we are able to open our doors so that all can come and enjoy seeing original works of art in the museum's wonderful collection," said George Kinghorn, UMMA executive director. Artist Nina Jerome said, "Having an opportunity to share what you do with other people, just feels like this should happen. This is really important."

## **Franklin County 4-H Club's generosity highlighted after Farmington explosion**

**26 Sep 2019**

The [Livermore Falls Advertiser](#) reported the Franklin County 4-H Beef Club planned to donate proceeds from a day of its food booth sales at the Farmington Fair to relief efforts in the aftermath of the Sept. 16 propane explosion at the LEAP (Life Enrichment Advancing People) building in Farmington. The explosion killed Capt. Michael Bell of Farmington Fire Rescue Department and wounded six other firefighters, an emergency medical technician and a LEAP employee, according to the article. 4-H leader Carrie Jenness said proceeds from a Thanksgiving basket raffle also will be donated.

## **Centralmaine.com promotes 'Growing Maine' featuring Monica's Chocolates**

26 Sep 2019

[Centralmaine.com](#) ran a University of Maine Cooperative Extension release that announced the latest installment of its “Growing Maine” series highlighting food producers and farm families. The short documentary, which features Monica’s Chocolates in Lubec, is [online](#).

#### Mainebiz mentions Process Development Center in beer coaster article

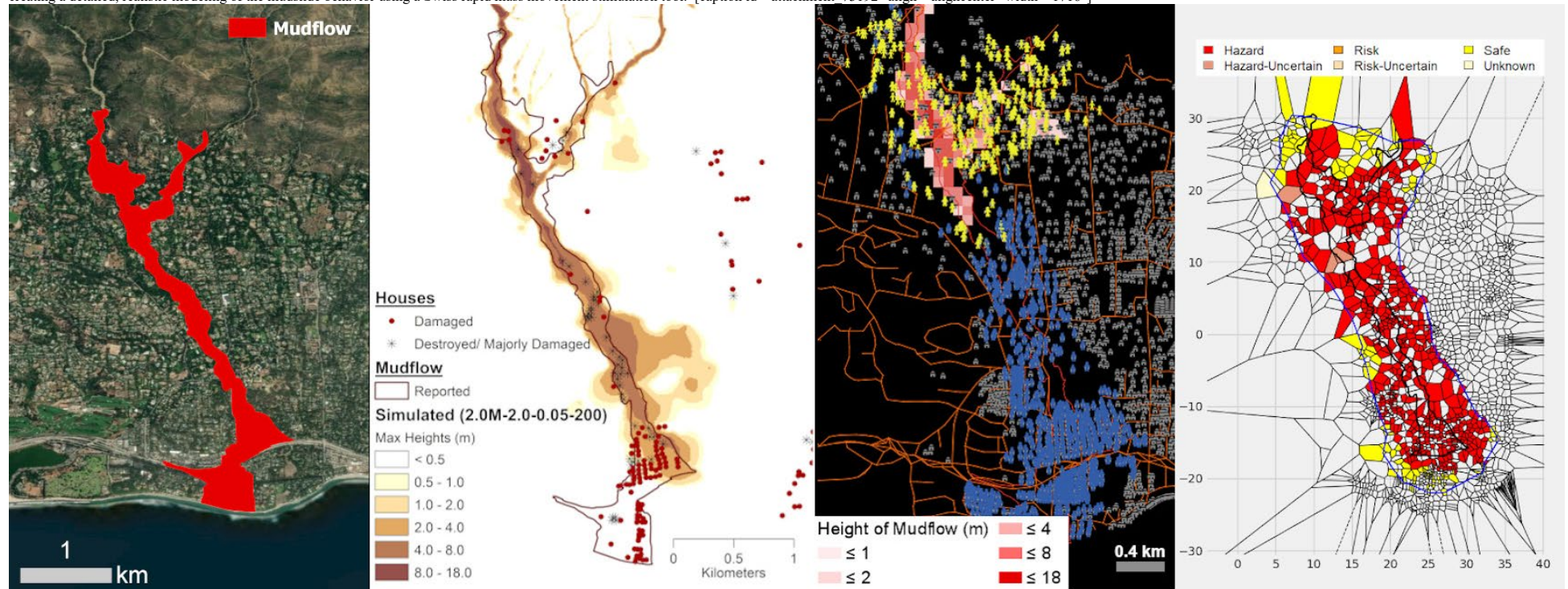
26 Sep 2019

The University of Maine is included in a [Mainebiz](#) story about Kai Smith, an eco-entrepreneur at Maine Coasters & Bio-Boards. He’s prepping for a pre-commercial trial of beer coasters made from softwood pulp and spent grains left over from the brewing process. Smith developed the coaster prototypes in coordination with UMaine’s Process Development Center, a facility where researchers, entrepreneurs and industry leaders develop new products and improve manufacturing processes.

#### Citizen update streams can inform creation of real-time natural disaster map, researchers find

26 Sep 2019

Social media posts during a natural disaster can provide a data stream to inform mapping of the event in real time, according to a new University of Maine [study](#) from the School of Computing and Information Science. People located close to events such as flooding, wildfires and mudslides can provide a stream of current data through posts reflecting their responses to the event. Data from many people can contribute to an integrated spatiotemporal map to provide a comprehensive look at the event. The research, led by Iranga Subasinghe, a Ph.D. student in spatial information science and engineering; and Silvia Nittel, associate professor in spatial informatics; focused on whether information from citizens affected by a natural disaster is enough to generate a map of the event as it unfolds. Social media posts are usually text-based, the researchers note, and contain natural language from real people. This study makes empirical sense of that qualitative data to provide useful, reliable information to citizens. “To the best of our knowledge, this article is the first work that investigates spatiotemporal social media stream processing to map an unfolding natural disaster in real time,” the researchers write. The study, “Real-time mapping of natural disasters using citizen update streams,” aligns with the University of Maine System [“Research and Development Plan.”](#) It was published in the International Journal of Geographical Information Science. Specifically, the research question was how the degree of citizen participation affects the quality of mapping an event. The research team created a Citizen Disaster Reaction Multi-Agent Simulation (CDR-MAS), which replicates the reaction of citizens to a natural disaster in an urban region, and used it to simulate reactions to the 2018 Montecito Creek mudslide in California. This experiment included creating a detailed, realistic modeling of the mudslide behavior using a Swiss rapid mass movement stimulation tool. [caption id="attachment\_73192" align="center" width="1716"]



Left to right: Mudslide boundary on the Google map; Extent of debris flow depth from RAMMS::DEBRIS FLOW simulation; NetLogo agent simulation (all modeled agents are displayed with agent symbols, active ones are yellow, inactive ones are light blue, houses have gray symbols, the road network is brown mudflow is in scaled red depending on the mud depth); Voronoi map predicting the mudslide region. The research team used the simulations to evaluate the feasibility of using citizen-generated data update streams to create a visualization of a natural disaster as it develops, exploring the effects of different parameters — percentage of citizen participation and percentage of citizen movement. By measuring two parameters — event boundary and event region — they found the amount of citizen participation and movement significantly influenced event mapping. Event boundary is the outside boundary or the spatial reach of the event itself, and event region shows the “inside” of the event that is the destruction caused by the event over the region it covered. “The results demonstrate that the accuracy of the boundary match is in most cases above 46% if at least 40% participation is available,” according to the researchers. “This shows that even with a lower participation percentage such as 40%, the boundary of the event is adequately predicted, independently of how many people move during the disaster.” The accuracy of the region match also depends significantly on the participation degree. The entire disaster region is predicted within at least 39% accuracy when participation is 40%. With 20% participation or less, the accuracy is between 7 and 22% depending on citizen movement, according to the study. “Overall, our results show that the event representation is a buffer zone around the event rather than the boundary of the event itself,” say the researchers. “The ability to map an event depends significantly on citizen participation, as expected.” With effective levels of citizen participation, this mapping method has the potential to help inform and warn people during a natural disaster as it develops. Other UMaine researchers involved in the study are Michael Cressey, a spatial information science and engineering master’s student; Melissa Landon, then an associate professor of civil and environmental engineering and now a senior project engineer with Golder Associates, Inc.; and Prashanta Bajracharya, a civil and environmental engineering master’s student. The study was supported by the National Science Foundation. Contact: Cleo Barker, 207.581.3729

#### Study discovers loss of innervation in fat related to obesity, diabetes, aging

27 Sep 2019

To prevent conditions such as obesity and diabetes, as well as cardiovascular disease, researchers at the University of Maine are studying how the brain interacts with fat tissue. “Our brain needs to communicate with fat tissue to burn calories, to increase our heat production, and to keep us metabolically healthy,” says Kristy Townsend, associate professor of neurobiology. In a recently published study, members of Townsend’s lab discovered that in certain disease states, the nerves in fat tissue become neuropathic, or start dying. Diabetic neuropathy already is known to happen in the skin, especially in the hands and feet, which leads to loss of sensation, as well as pain, numbness and tingling. However, the study is the first to show loss of proper innervation in fat beneath the skin, or



subcutaneous adipose, under pathophysiological conditions such as obesity, diabetes and aging, according to Townsend. The study, which was led by Magdalena Blaszkiewicz, formerly a Ph.D. student in UMaine's Graduate School of Biomedical Science and Engineering (GSBE) and now a postdoctoral researcher in the Townsend Lab, found that peripheral neuropathy is not restricted to classic tissues like the skin, and loss of innervation to adipose may trigger or exacerbate metabolic diseases. The researchers found that as obesity levels went up, the amount of innervation in the fat went down. "If we're losing proper nerve supply and proper brain communication with our fat with a disease like diabetes, it's probably getting worse because we can't use those nerves to burn calories and keep ourselves healthy," Townsend says, adding that obesity can lead to diabetes, so it's important to keep fat tissue healthy in order to prevent this transition. The researchers also demonstrated stimulation of adipose tissue neural plasticity with cold exposure, which could be a potential therapeutic option to promote nerve regrowth and restore metabolic health. "One of the ways we know we can increase energy expenditure in the subcutaneous fat is through cold because it triggers thermogenesis, which causes heat and burns calories," says Blaszkiewicz, who graduated from UMaine in 2019 with a doctoral degree in biomedical sciences. "What we didn't know was whether or how that would affect nerve density in the adipose tissue." At the start of the project about five years ago, not many researchers were looking at nerves in the adipose tissue, according to Blaszkiewicz. The common idea, she says, was that there is a certain amount of nerves in the tissue that are static and don't change. "But what we saw with cold exposure was that the whole organ — the whole fat depot and the nerves within it — completely remodel, and there are areas where you have more innervation including in areas that previously didn't have any," she says. The innervation increase could potentially lead to better metabolic health through the start of thermogenesis or lipolysis, the burning of stored fat fuels, Blaszkiewicz says. Cold exposure also was found to increase the brain-derived neurotrophic factor, or BDNF, which maintains the nerves within a tissue and helps them survive and grow, according to Blaszkiewicz, who refers to it as "nerve food." However, cold exposure treatments offer several challenges. It can turn white fat into brown fat, which is thermogenic and healthy, but also requires burning a lot of calories, according to Townsend. "We study energy balance, and we know that if you tip the scales and start burning more calories, you're going to get hungry and want to take in more calories," she says, adding that any cold exposure treatment or drug would have to be balanced with an appetite suppressant. Another potentially harmful outcome would be negatively affecting other parts of the body such as the heart or bones, the researchers say, since activating the nerves that stimulate thermogenesis may do harm in these other tissues. "Obesity is one of the most difficult diseases to treat because there are all these counter-regulatory things in our physiology that prevent us from losing weight," Townsend says. "The key for us isn't weight loss, but healthy metabolism no matter what your body weight is." Townsend says she and her team think the nerves in fat might play a role in staying healthy, including while aging. "That's important for Maine because we have the oldest median age in the country and lots of age-related diseases, and if some of those are due to loss of proper nerve communication to our tissues and organs, then we need to figure that out and see if there's a way to mitigate it," she says. The study, which aligns with the University of Maine System ["Research and Development Plan,"](#) also looked at aging-related neuropathy and mapped out the entire adipose depot beneath the skin of a mouse, showing where the nerves were in the tissue. "Neuropathy and neural plasticity in the subcutaneous white adipose depot," was published in the journal [PLOS ONE](#). It first appeared online as a preprint at bioRxiv. In addition to Blaszkiewicz and Townsend, co-authors include GSBSE collaborators Katherine Motyl of the Maine Medical Center Research Institute and Benjamin Harrison of University of New England, as well as seven undergraduate students. "Part of our philosophy in our lab is that not only are undergrads involved in the research, but they contribute in such a way that they can be authors on papers. Our undergrads contributed really important data to the paper and they were part of discussions about what the data mean," Townsend says. Two of the students are now pursuing graduate degrees at UMaine. Townsend's lab is interested in how the brain and nervous system affect energy balance. A main goal is understanding what the nerves are doing in fat tissue and studying how those nerves play a role in keeping fat tissue healthy. The next step for the researchers is looking at the neurotrophic factor that might be responsible for maintaining and regulating the remodeling of nerves in the adipose tissue. "The goal for us now is figuring out the flavor of immune cells that release these healthy growth factors," Townsend says. "Can we get those to travel into fat and make more growth factor and keep the tissue healthy?" Blaszkiewicz is looking at how the immune cells move and change their identity to release the healthy growth factors. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## **Melissa Garand : Global policy grad student interns in Bulgaria**

**27 Sep 2019**

Melissa Garand of Manchester, Maine interned abroad in Blagoevgrad, Bulgaria this summer, working full time as a graduate international student services intern at the American University in Bulgaria (AUBG). "As with many others my age, I grew up during the years of the wars in Iraq, Afghanistan, and general American involvement in the greater Middle Eastern region. The news of these heavily armed conflicts pushed me to search for more information and a better understanding of why and how our country makes foreign policy decisions," says Garand. "My interest in global policy and choice to pursue such degrees is rooted here and has evolved into a passion for immigration and asylum practices as well as human rights." The global policy master's student in the School of Policy and International Affairs (SPIA), who has a concentration in security and foreign policy, says her time in Bulgaria was her "best experience abroad yet." Garand's internship involved giving case-by-case assistance in the visa application process to all non-European Union citizens in the incoming AUBG class of 2023. "While I really enjoyed my time in the office and gained many skills and a useful knowledge base about academic immigration, the most rewarding part of my job was the opportunity to assist students in a major step in achieving their future dreams," she says. "Outside the office, my best moments have been my chances to travel in Bulgaria and the Balkan region to experience cultures, languages, and environments far different from my daily life in Maine." Garand received her bachelor's degree in international affairs with a concentration in international security from UMaine in 2019 after three years, during which she also completed an Honors thesis and a minor in French. On campus, Garand has been part of the Order of Omega All-Greek Honor Society, Pi Sigma Alpha Political Science Honor Society, and Alpha Omicron Pi sorority. She enjoys practicing her French skills, learning other new languages and traveling — so far she has been to more than 10 different nations. "UMaine's greatest gift to me has been the community I found through the Honors College and SPIA," she says. "Both have provided to me a feeling of a smaller and more liberal arts-style experience at a university of 10,000 students. The ability to take courses with outstanding professors, among groups of like-minded individuals, has shaped me into a better student and citizen." Contact: Cleo Barker, 207.581.3729

## **Isenhour part of multidisciplinary \$1.3M NSF project to address waste through circular economy**

**27 Sep 2019**

A professor of anthropology and climate change at the University of Maine is collaborating on a multidisciplinary project to address waste through circular economy design. Cynthia Isenhour is one of several researchers from five universities working on the project led by the University of Pittsburgh's Swanson School of Engineering and the Masearo Center for Sustainable Innovation. Recycling is only part of the solution to control and mitigate the proliferation of waste, according to the University of Pittsburgh. The researchers aim to use convergence research to advance understanding of circular economies and to explore solutions to society's complex resource and waste challenges. The team's proposal, ["Convergence Around the Circular Economy,"](#) received a two-year \$1.3 million award from the National Science Foundation's new [Growing Convergence Research program](#). The award has the potential to be extended to five years and \$3.6 million. "Circular economy offers a promising solution as it aims to cycle products and materials back into production through creating new products or benign degradation," says Melissa Bilec, deputy director of the Masearo Center, associate professor of civil and environmental engineering, and Roberta A. Luxbacher Faculty Fellow at Pitt, and the award's principal investigator. "With our project, we are aiming to advance the much needed fundamental science behind circular economy solutions by not only designing products with an eye towards circularity, but also in alignment with sustainability goals." Isenhour, who is a faculty associate in the Senator George J. Mitchell Center for Sustainability Solutions, has spent years studying economic and environmental policies designed to reduce waste, emissions and resource use, including her ongoing research on Maine's secondhand markets. A University of Pittsburgh news release about the NSF project is [online](#). Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## **Mauery exhibit opens in New Hampshire Oct. 4**

**27 Sep 2019**

The newest exhibition by University of Maine associate professor of art Andy Mauery, "devolve," will be on display Oct. 4–Nov. 11 at 3S Artspace in Portsmouth, New Hampshire. In her artist's statement, Mauery says "devolve" is an "ode to the non-human species that we can't seem to stop ourselves from destroying; and a sideways look at how we humans keep ourselves at the center of this equation." The works in the exhibition are objects and small installations, most created in the last three years. More about the exhibition is [online](#).

## **Beatles tribute, Rosanne Cash, Cirque Mechanics, Bob Marley at CCA in October**

**27 Sep 2019**

The Collins Center for the Arts offers a variety of performances throughout the 2019–20 season. October events include a tribute to The Beatles, a magic show by illusionist Lyn Dillies, a concert by singer-songwriter Rosanne Cash, and more. Bruce Barth and Anat Cohen will be in concert in Minsky Recital Hall at 7:30 p.m. Oct. 4. Jazz pianist and composer Barth has been sharing his music for more than 25 years. Charismatic, prolific and inspired, clarinetist-saxophonist Cohen has won hearts and minds worldwide with her expressive virtuosity and delightful stage presence. The concert is a selection in the John I. and Elizabeth E. Patches Chamber Music Series; a reception for patrons and artists will follow. The concert also is a selection in the new Music in Minsky series presented by the gWatson Gallery in Stonington and the UMaine School of Performing Arts. Flower Power Concerts, Inc. presents "It Was Fifty Years Ago Today — A Tribute to The Beatles White Album" at 7 p.m. Oct. 7. Performers are Christopher Cross, Todd Rundgren, Micky Dolenz, Jason Scheff and Joey Molland, and Joey Curatolo is musical director. Cirque Mechanics will perform "42FT: A Menagerie of Mechanical Marvels" at 7 p.m. Oct. 10. This show is the latest invention from the creative minds of a company that dares audiences to leap into the circus ring and experience the timelessness of this evolving art form. Cirque Mechanics' signature style is wrapped in acrobatics, mechanical marvels and a bit of clowning around. "The Magic of Lyn Dillies" will be at the CCA at 7 p.m. Oct. 18. In 2013, Dillies was the first female illusionist in history to receive the prestigious Milbourne Christopher Award — the Academy Award of magic — from the Society of American Magicians. She later received the Merlin Award for Female Illusionist of the Year from the International Magician's Society in 2009. Her spectacular, eye-defying illusions have been astounding audiences for more than two decades. Comedian Bob Marley will perform at 5:30 p.m. and 8 p.m. Oct. 19. The Maine resident featured regularly on Sirius XM radio (and who won its Super Bowl of Comedy), was inducted into the Guinness World Records for "the longest stand-up comedy show by an individual" at 40 straight hours of stand up. Availability for the 8 p.m. show is limited; tickets are still available for the 5:30 p.m. show. Cash will be in concert at 8 p.m. Oct. 26. The singer-songwriter has released 15 albums that have earned four Grammy Awards and nominations for 11 more. Her four books include the best-selling memoir "Composed." In addition to touring worldwide, Cash has partnered in programming or served as an artist in residence at Carnegie Hall, Lincoln Center, San Francisco Jazz, the Minnesota Orchestra and The Library of Congress. The CCA also is starting a new Broadway Broadcast series. Fans can watch "42nd Street" at 3 p.m. Oct. 20, and "Kinky Boots" on March 28. These plays have been recorded live and will be shown on the center's HD screen — one of the largest in Maine. The CCA also will broadcast the first opera of the season, live from The Metropolitan Opera — Puccini's "Turandot" at 1 p.m. Oct. 12. For more information, to view the season schedule or to purchase tickets, visit the CCA [website](#).

## **Demeritt Forest trails highlighted in column about mountain biking**



**27 Sep 2019**

In her Act Out with Aislinn column in the [Bangor Daily News](#), Aislinn Sarnacki highlighted mountain biking on Marsh Island Community Trails, including those in the 1,478-acre Dwight B. Demeritt Forest. “Mountain biking was one of Derek’s (her husband’s) favorite pastimes while attending UMaine, so he knows the trails around the university quite well,” she writes. “Still, he makes good use of the maps posted at intersections. The trails are continually being improved and expanded.”

**Jerome talks with BDN about ‘Entangled’ exhibit at UMMA**

**27 Sep 2019**

The [Bangor Daily News](#) talked with Nina Jerome, retired University of Maine adjunct associate professor of art, about her “Entangled” exhibit at the University of Maine Museum of Art in Bangor. While she misses seeing students, Jerome says she relishes the opportunity to fully immerse herself in her work. “It has been thrilling, to be able to focus on my art in this way,” she says. “It feels like a gift.” UMMA, at 40 Harlow St., is open from 10 a.m. to 5 p.m. Tuesday through Saturday. Admission is free.

**WABI shares 4-H youth’s compassion for friend**

**27 Sep 2019**

[WABI](#) (Channel 5) recently did a story with Dale Strout, 14, a member of University of Maine Cooperative Extension 4-H since he was 9. At the Windsor Fair, Strout raised more than \$5,000 by auctioning off his lamb named Goose. He’s giving the money to his friend Andrew Curtis, who has bone cancer, to defray medical costs. Strout told WABI, “I was thinking, 4-H is about helping the community and giving back.”

**Gill discusses permafrost caves, harrowing medical experience on 207**

**27 Sep 2019**

University of Maine paleoecologist Jacquelyn Gill talked about her experiences exploring a permafrost cave in Siberia, as well as her medical scare there, with Rob Caldwell on News Center Maine’s [207](#). Gill was in Siberia in September 2018 to film “Lost Beasts of the Ice Age” for the Science Channel. She and other leading scientists saw woolly mammoth tusks and well-preserved remains of animals from another time. “When I was in that cave we were seeing entire cave lion cubs that looked like they might have died just a day or two ago,” she says. “They were 30,000 years old.”

**Maine Public interviews Fernandez after Maine Climate Council meeting**

**27 Sep 2019**

[Maine Public](#) talked with Ivan Fernandez after the first meeting of the Maine Climate Council on Thursday. Fernandez, a University of Maine soil and forest scientist, said work on climate change is resuming at the state level. “Some faces here that I haven’t seen in about eight years,” Fernandez said. “We can continue our work.” The council includes scientists, policymakers and Mainers whose lives and businesses are being transformed by climate change. The members have been tasked with recommending concrete actions to meet the challenges, according to the article. The [Portland Press Herald](#) also reported on the Maine Climate Council, and [Journal Tribune](#) carried the Press Herald article.

**Beal calls invasive Asian shore crabs a ‘ticking time bomb’**

**27 Sep 2019**

Brian Beal, professor of marine ecology at the University of Maine Machias, told the [Bangor Daily News](#) that invasive Asian shore crabs are probably a “ticking time bomb.” Beal was interviewed after Acadia National Park officials said a molted shell of an Asian shore crab was found Sept. 19 along the shore near Schoodic Point. In 2013, UMM students [found live Asian shore crabs](#) on Great Wass Island in Beals. “We haven’t found any Asian shore crab since 2013, and we’re out there all the time looking,” Beal said, adding that if Asian shore crab numbers increase, they likely would hurt populations of marine worms, mussels, clams and other species. “They are another threat sitting out there.” The Associated Press also reported on the crab shell discovery, citing the BDN article. [San Francisco Chronicle](#), [The Times Record](#) and [Houston Chronicle](#) carried the AP report.

**Video of Maine Climate Council kickoff meeting available**

**27 Sep 2019**

The kickoff meeting of the Maine Climate Council was Sept. 26 in Hallowell. A video of the meeting is [online](#). It includes presentations by Ivan Fernandez, UMaine professor of soil science and Distinguished Maine Professor in the School of Forest Resources, Climate Change Institute, and School of Food and Agriculture, and other members of the council, as well as remarks by Gov. Janet Mills and Gina McCarthy, former Environmental Protection Administration administrator, and director of the Harvard Center for Climate, Health, and the Global Environment. Attending the meeting were [other members of the UMaine community appointed to council subcommittees and working groups](#).

**Stoll helps organize 3rd Local Seafood Summit**

**30 Sep 2019**

Joshua Stoll, University of Maine assistant professor of marine policy, is a member of the planning committee for the [3rd Local Seafood Summit](#), Oct. 6–7 in Portland, Oregon. More than 150 people from across North America who are involved in issues relating to the health and sustainability of small-scale fisheries are expected to attend. The summit is organized by [Local Catch](#), a network of researchers, fishermen and community-based development organizations that Stoll helped establish in 2011.

**Longtime UMaine professor of chemistry passes away**

**30 Sep 2019**

Robert Dunlap, a University of Maine professor of chemistry from 1949–91, passed away Sept. 18 at the age of 97. Details about services are [online](#).

**Loveless, Penney, Ryckman named McGillicuddy Humanities Center Fellows**

**30 Sep 2019**

Noah Loveless, Sarah Penney and Matthew Ryckman are the 2019–2020 Clement and Linda McGillicuddy Humanities Center Undergraduate Fellows at the University of Maine. Fellows serve as ambassadors of humanities for their peers, the campus and beyond. They each will receive \$4,000 for two consecutive semesters while they work on their respective research projects. Loveless, from Cumberland, Maine, is a fourth-year English and philosophy double major, with a creative writing concentration. For his project titled “The Task of the Critic: The Philosophy and Aesthetics of Walter Benjamin,” Loveless will examine Benjamin’s innovative approach to philosophy and literary criticism. Using Benjamin’s “The Arcades Project” as his central text, Loveless will explore how Benjamin’s ideas influenced his contemporaries, as well as current scholarly discourse in multiple disciplines, thereby changing the way critics engage with the material. Penney, of Thomaston, Maine, is a third-year English major with a minor in media studies and an interest in folklore and literature. For “The Origins of Fate: Analyzing and Reconstructing the Proto-Indo-European Fate Deities,” Penney will concentrate on the nature of folkloric adaptations and reconstructions, and trace them in Norse mythology, poetics and linguistics. She’ll investigate how these manifestations of faith imply how ancient peoples saw their lives, and how the survival of these views connects with modern beliefs. Ryckman is a fourth-year mathematics and history double major, with concentrations in pure mathematics and medieval history. His research, “Examining Euclid’s Elements from the Middle Ages to the University of Maine,” will revolve around the relationship between the advent of the printing press in the Late Middle Ages and the dissemination of Euclid’s “Elements” in Europe. Ryckman will focus on a copy of Isaac Barrow’s 1732 printing of “Elements” that he found in UMaine’s Special Collections. He’ll create a cohesive narrative illuminating the intellectual world of 18th-century Europe, showing how printing fostered the dissemination of new knowledge, in geometry and the humanities. Also, Connor Ferguson and Olivia Reese have returned for their second semester as McGillicuddy Humanities Center Fellows. Ferguson is working to reverse the erasure of queer authors in the Modernist canon. Reese is applying George Gerbner’s mid-20th-century cultivation theory about the influence of media on viewers’ perceptions of reality to the 21st-century Twittersphere. The McGillicuddy Humanities Center’s 2019–2020

symposium, [“Society, Colonization, and Decolonization.”](#) features lectures, panels and cultural events exploring the complex influence and lasting impact of colonization worldwide. All events, the first of which is Oct. 3, are free and open to the public. For information on the symposium, email Karen Sieber, [karen.sieber@maine.edu](mailto:karen.sieber@maine.edu), or Margo Lukens, [lukens@maine.edu](mailto:lukens@maine.edu), or call 581.1848.

#### **Mayewski quoted in BDN editorial on climate change**

**30 Sep 2019**

Paul Mayewski, Distinguished Maine Professor in the School of Earth and Climate Sciences and director of the Climate Change Institute at the University of Maine, was quoted in the [Bangor Daily News](#) editorial, “Climate change is already happening and it’s worse than predicted.” “The weather and climate is the greatest security issue we currently face,” Mayewski said during a recent [BDN](#) editorial board event. He pointed out that climate changes contributed to piracy off the coast of Somalia as the pirates sought other means to make money when they could no longer farm. It contributed to the 2010 Middle East protests known as the Arab Spring when food prices soared because of a scarcity of commodity crops caused by droughts in many countries, including China and Russia, and torrential rains in others, such as Canada and Brazil, the editorial states.

#### **UMaine mentioned in Press Herald article on Gov. Mills’ carbon-neutral pledge**

**30 Sep 2019**

The University of Maine was mentioned in a [Portland Press Herald](#) article on Gov. Janet Mills’ pledge to world leaders at the United Nations Climate Action Summit that Maine will be carbon neutral by 2045. The article states that Maine has massive renewable power potential, especially in regard to offshore wind, a sector UMaine is on the cutting edge of, having developed a floating turbine platform. The [Sun Journal](#) also carried the Press Herald article.

#### **Garland speaks with BDN about preparing raised garden bed for winter**

**30 Sep 2019**

The [Bangor Daily News](#) spoke with Kate Garland, a horticultural professional with the University of Maine Cooperative Extension, for an article about how to prepare a raised garden bed for winter. Throughout autumn, gardeners with raised beds should take several steps to ensure their garden beds are ready for next year’s seeds and seedling transplants, according to the article. “It’s an ongoing project,” Garland said. “I just always think of it as a to-do list for the fall.” Steps recommended by Garland include removing weeds, cleaning up dead plants, adding compost and other organic material, planting cover crops or adding mulch, taking care of perennials, and adding season extenders. Garland’s tips also were included in the [BDN](#) article, “I tried to prep my raised bed garden for winter. Here’s how it went.”

#### **Piscataquis Observer previews UMaine Extension fermentation program at brewery**

**30 Sep 2019**

[The Piscataquis Observer](#) reported on a food fermentation program and brewery tour 5–8 p.m. Oct. 22 at Bissell Brothers Three Rivers in Milo. The event is sponsored by the Piscataquis County Extension Association, University of Maine School of Food and Agriculture and the University of Maine Cooperative Extension. Brian Perkins, an assistant research professor in the School of Food and Agriculture, will talk about his work with general food fermentation, including brewing, the article states.

#### **Press Herald advances ‘Framing Maine’ art show**

**30 Sep 2019**

The [Portland Press Herald](#) reported on an upcoming University of Maine art exhibit in celebration of Maine’s bicentennial. “Framing Maine: Artists’ Perspectives on Place” opens Oct. 4 at Lord Hall Gallery with more than 50 pieces of art including paintings, drawings, photographs, quilts, rugs and baskets by nearly three dozen contemporary Maine artists. It is curated by Laurie E. Hicks, an art professor and curator-director of the gallery; Kreg Ettenger, director of the Maine Folklife Center; and art historian, critic and writer Carl Little. Throughout history and including contemporary times, people across the world have formed impressions of Maine based on artists’ interpretations of the state, Hicks said. “The images they create contextualize the way the world sees Maine,” she said. “It is often through the eyes of artists that people know what Maine is like, in terms of the environment and culturally.” The exhibit runs through Nov. 15.

#### **BDN reports on mobility device invented by UMaine professors**

**30 Sep 2019**

The [Bangor Daily News](#) reported on the Afari mobility device, which was invented by University of Maine professors Stephen Gilson and Elizabeth DePoy. Gilson and DePoy not only teach disability studies — but are both persons with disabilities. When Gilson convinced DePoy in 2008 that she should complete a triathlon, she ran into a major problem with balance during training, the BDN reported. “We looked around for a device, and we could only find stigmatized, ugly devices,” DePoy said. “Stephen’s background is in art. I said, ‘Let’s invent something that looks good and that functions, too.’” The pair worked with Vince Cacesse, a friend who is a professor of mechanical engineering at UMaine, to develop a prototype for the Afari. The three-wheeled device allows users to stand up straight — not hunched over — as they walk or run with the balance and stability support they need. It has brakes and active steering, and its functionality is matched by its sleek, contemporary appearance, the article states. “We wanted a design that would be functional, that somebody would be proud to use in public,” Gilson said. The Afari also was mentioned in a Bangor Daily News [story](#) about Henry Seekins, who uses the device to get outside and meet people. It has been “a game changer” for the Seekins family after Henry’s accident seven years ago, the BDN reported. [News Center Maine](#) also reported on the Afari.

#### **Thröstur Eysteinnsson: Transforming landscapes as director of the Icelandic Forest Service**

**30 Sep 2019**

Thröstur Eysteinnsson spent his childhood exploring Iceland’s bountiful natural world. His grandfathers were active volunteers in the country’s forestry societies, which he later joined while working as a high school science teacher. As he learned more about the history of forestry in Iceland, his interest grew. He quit his job as a teacher and enrolled at the University of Maine, where he earned his master’s degree in forestry in 1990 and Ph.D. in forest resources in 1992. Today, as director of the Icelandic Forest Service, he heads the agency that will see his country’s forest cover increase by as much as 8% over the next 100 years. “The forestry education I received at UMaine allowed me to start working in the small forest sector in Iceland, where I have been able to contribute in many ways over the years, which was my goal,” he says. “My education has also allowed me to participate in international research projects with colleagues from the other Nordic countries and on a Pan-European level, all of which has been very rewarding.” Eysteinnsson says living in Maine for five years was an enriching experience. “I learned what real cold feels like, because it never gets that cold in Iceland,” he says. The full interview with Eysteinnsson is on the College of Natural Sciences, Forestry, and Agriculture’s [website](#).

#### **Graduate and Professional Programs Open House on Oct. 3**

**01 Oct 2019**

The University of Maine Graduate School will hold its annual open house 3:30–6 p.m. Oct. 3 in Stodder Hall. Prospective students are invited to meet the graduate academic community and learn about the available programs. Knowledgeable staff and faculty members will be on-site to answer questions and address concerns about enrolling in a graduate program. There also will be free refreshments and raffle prizes. For those who cannot attend in person, there will be a Facebook Live version of the event on the Graduate School’s [Facebook page](#). Registration is [online](#).

#### **UMaine accepting applications for after-school art program**

**01 Oct 2019**

The University of Maine Department of Art is accepting applications for the after-school ArtWorks! Program. The program for students in grades K–8 provides opportunities to explore art through hands-on experiences with a variety of visual media, as well as the history of art and viewing of artistic works. The five-week fall ArtWorks! sessions will be held on Fridays beginning Oct. 18 from 3:30–5 p.m. in Lord Hall on the UMaine campus. The program culminates with an exhibition of the children’s works on Nov. 15.

Classes are organized by age and/or grade level and taught by art education majors who are preparing to become art teachers. The program is supervised by Constant Albertson, an associate professor of art and art education. A \$25 per-student fee covers the cost of materials; a limited number of scholarships are available. The application deadline is Oct. 14. To apply, contact Albertson, 581.3251; [constant@maine.edu](mailto:constant@maine.edu). More information also is available by calling the UMaine Department of Art, 581.3245.

#### **Hutchinson Center to offer public speaking program, Republican Journal reports**

**01 Oct 2019**

[Republican Journal](#) reported the University of Maine Hutchinson Center in Belfast will offer the professional development program “Public Speaking for Business and More” on Nov. 7. Tom Dowd, a prize-winning speaker, award-winning and best-selling author, and trainer and coach, will facilitate. Nonprofit and business leaders, educators, municipal officials, members of the clergy and others interested in becoming a more effective speaker are invited to attend. Cost is \$150 per person, and includes a continental breakfast and catered lunch. Need-based scholarships are available. Registration is [online](#).

#### **Advertiser Democrat reports on last fair for 4-H season**

**01 Oct 2019**

[Advertiser Democrat](#) reported on the Fryeburg Fair, Maine’s last fair of the season, happening Sept. 29–Oct. 6. More than 190 4-Hers from around New England are exhibiting their animals at the fair, according to the article. 4-H youth are between 9 and 18 years old. In Maine, 4-H is facilitated by the University of Maine Cooperative Extension. “It’s a big commitment and hard work to do 4-H,” said Donna Flint, 4-H superintendent for the fair. “Not all stay with it all the way through. But it’s not just for livestock. Basically, any interest a kid has can be found in 4-H. There are science and technology, engineering projects, and the traditional skills, as well as sewing, fiber arts, food arts. Those areas are part of the fair, as well.”

#### **Scontras writes BDN op-ed on labor reform**

**01 Oct 2019**

Charles Scontras, a historian and research associate at the University of Maine’s Bureau of Labor Education, wrote an opinion piece for the [Bangor Daily News](#) titled, “Planting the seeds of labor reform.”

#### **Maine Edge previews Beatles tribute show at CCA**

**01 Oct 2019**

[The Maine Edge](#) reported on an upcoming Beatles tribute show at the Collins Center for the Arts. In celebration of the 50th anniversary of The Beatles’ classic 1968 two-record set “The Beatles,” or more commonly known as the “White Album,” a super-group is touring America this fall to play songs from the album, along with their own hits, according to the article. Flower Power Concerts, Inc. will present “It Was Fifty Years Ago Today — A Tribute to The Beatles White Album” at 7 p.m. Oct. 7. Performers are Christopher Cross, Todd Rundgren, Micky Dolenz, Jason Scheff and Joey Molland, and Joey Curatolo is musical director.

#### **Energy News Network mentions FBRI in article on biodiesel use in Northeast**

**01 Oct 2019**

The University of Maine’s Forest Bioproducts Research Institute (FBRI) was mentioned in the [Energy News Network](#) article, “Northeast heating oil industry looks to biodiesel to reduce carbon emissions.” The Northeast heating oil industry plans to begin pressing New England states to mandate certain standardized levels of biodiesel content in home heating oil, according to the article. Bangor-based Biofine Developments Northeast has been working on a biofuel made from wood waste, the article states. FBRI successfully tested the fuel in an institutional boiler used to heat the University of Maine at Presque Isle campus, according to Hemant Pendse, FBRI director and a professor of chemical and biomedical engineering.

#### **Koehler, Fernandez cited in Press Herald ‘Maine Gardener’ column on climate change**

**01 Oct 2019**

Glen Koehler, an associate scientist with University of Maine Cooperative Extension, and Ivan Fernandez, a professor of soil science at UMaine, were cited in the latest column in the [Portland Press Herald](#) “Maine Gardener” series. The article, “Climate change comes to your own backyard,” looked at what gardeners can do to keep plants healthy and thriving despite the heat and extremes. “The things you are going to want to do are mostly good things to do even if weather wasn’t changing,” said Koehler, who specializes in pest management and fruit trees. “The need for these good-farming practices just becomes more intense.” Good, healthy soil is a top priority, according to the article. Fernandez, Distinguished Maine Professor in the School of Forest Resources, Climate Change Institute, and School of Food and Agriculture, said the key is to make sure soil has lots of organic matter. “More organic matter in the soil means that there is less carbon in the atmosphere,” Fernandez said, adding that atmospheric carbon is a major contributor to warming temperatures. [Centralmaine.com](#) also published the article.

#### **\$350K NSF grant to UMaine to support statewide research, outreach with new high-performance computational instrument**

**01 Oct 2019**

A project led by the University of Maine School of Computing and Information Science to develop a high-performance computing instrument has received a \$350,000 National Science Foundation Major Research Instrumentation grant. Roy Turner, associate professor of computer science at UMaine, will lead the project. Deep learning (a subfield of artificial intelligence), modeling and simulation, and visualization are key technologies in many research fields, and depend on high-performance computing. The project team plans to create an extremely high-performance computing instrument comprising a cluster of high-end general-purpose GPUs (GPGPUs) that will support these needs for research at UMaine and across the state. The computational power of the instrument will be equivalent to that of tens of thousands of high-end CPUs (central processing units), and it will be flexible and able to be shared among multiple projects simultaneously or used by a single project if extreme capacity is needed, according to the researchers. The project, “Acquisition of a high-performance computing instrument to support deep learning, modeling/simulation, and visualization for STEM,” aligns with the University of Maine System “[Research and Development Plan](#).” Once completed, the instrument will speed up computing processes for existing projects, and enable new projects that require a level of computing power that previously would have been unachievable in a reasonable amount of time with existing resources. This new computing capacity will make UMaine more competitive for national grants, and will facilitate research statewide, according to Turner. The researchers expect broader contributions of the project to include scientific advances, increased use of deep learning in STEM projects, outreach to K–16 education and the public, training of undergraduate and graduate students, and enhancement to computational resources in underserved communities throughout the state. Co-project directors of the project are Peter Koons, a professor in the UMaine School of Earth and Climate Sciences and Climate Change Institute; Bruce Segee, a professor of electrical and computer engineering at UMaine; Sofian Audry, assistant professor of communications and media at Clarkson University; and Huijie Xue, a professor in the UMaine School of Marine Sciences. The project also will support research across the University of Maine System and the state including at Colby College, Bowdoin College, University of Maine at Augusta, University of Southern Maine, and The Jackson Laboratory. Approximately 30 senior personnel from these and other institutions across the state are already affiliated with the grant. Contact: Cleo Barker, 207.581.3729

#### **Maine arts and humanities, medicine the focus of new fellowship program**

**02 Oct 2019**

A new Maine Medical Arts & Humanities in Medicine Fellowship is being offered through a collaboration between the University of Maine and Northern Light Health. Doctors who complete their residency requirements at Northern Light Family Medicine and Residency in Bangor will have the opportunity to obtain a certificate of advanced learning from UMaine through the year-long fellowship. The fellowship is open to graduate students or residency program graduates. Fellows will take courses on creativity and research methodology, attend a weekly seminar to discuss various contemporary topics in medicine and produce a project worthy of publication or public display, including a musical or theatrical performance, a graphic arts presentation, or a fine arts exhibition. The medical residents also attend a clinic two days a week, where they are actively treating patients and implementing what they learn. A full story about the new fellowship program is [online](#). Contact: Christel Peters, 207.581.3571, [christel.peters@maine.edu](mailto:christel.peters@maine.edu)

#### **Sibley’s article on screening for cognitive decline published in Clinical Advisor**

**02 Oct 2019**

[Clinical Advisor](#), a website for nurse practitioners and physician assistants, recently published an article by Sean Sibley, a lecturer of nursing at the University of Maine and a nurse practitioner at Northern Light Cutler Health Center. “Screening for Cognitive Decline in Primary Care” outlines why primary care providers should screen for cognitive decline, how they should screen, and barriers they may experience. Primary care providers often do not screen for cognitive decline for several reasons, which limits early intervention and cognitive health protection. Screening and early intervention are crucial so older adults can live fulfilling and independent lives. Sibley’s article provides evidence-based support targeted at primary care providers. Co-authors of the article are UMaine nursing professors Kelley Strout and Patricia Poirier.

## **UMaine to host Maine-Québec Number Theory Conference**

**02 Oct 2019**

Number theorists and mathematicians from New England and Canada will present research and discuss ideas for future work at the 2019 Maine-Québec Number Theory Conference Oct. 5–6 in D.P. Corbett Business Building. The conference provides an opportunity for young mathematicians and graduate students to interact with leading scholars, and to enhance collaboration between Canadian and American number theorists. The 66 presentations are free and open to the public. Emily Haddad, dean of the College of Liberal Arts and Sciences, will give opening remarks. Number theory remains one of the most active areas of research in mathematics. Aside from its intrinsic beauty, number theory has recently seen many practical applications, notably through cryptography and coding theory. In 1998, number theorists at UMaine and Laval University in Québec founded the Maine-Québec Number Theory Conference. Since then it has been held annually (with the exception of 2001) on a weekend in early fall, with hosting duties alternating between the universities. The event is organized by the University of Maine Department of Mathematics and Statistics, with support from the National Science Foundation and UMaine. More information, including a program, is [online](#). To register, email Andrew Knightly, [knightly@math.umaine.edu](mailto:knightly@math.umaine.edu).

## **NOAA awards \$1.6M to study the life histories of highly migratory species in the Atlantic Ocean and Gulf of Mexico**

**02 Oct 2019**

Improving stock assessment, management and sustainability of highly migratory species such as tuna, swordfish and sharks in the Atlantic Ocean and Gulf of Mexico is the goal of a new research consortium, led by Walt Golet at the University of Maine and funded by a \$1.6 million grant from NOAA Sea Grant. Funding to support the Pelagic Ecosystem Research Consortium was one of three competitive awards totaling \$2 million awarded through the 2019 Sea Grant Highly Migratory Species Research Initiative. More information about the national initiative is on the NOAA Fisheries [website](#). A news release about the awards is [online](#). The Pelagic Ecosystem Research Consortium will conduct several projects focused on bycatch reduction, increased understanding of life history, post-release mortality and other objectives for multiple species of highly migratory fish in the Northwest Atlantic and Gulf of Mexico. “Highly migratory species are some of the most sought-after fish in the world, both commercially and recreationally, and yet there is so much to learn about their life history in order to improve the stock assessments that determine their population status, the allocation of fishing quotas and, ultimately, their sustainability,” says Golet, UMaine assistant professor in the School of Marine Sciences, who is a co-principal investigator on the project with David Kerstetter of Nova Southeastern University, Robert Hueter of Mote Marine Laboratory and Stephen Bullard of Auburn University. Comprehensive information on the life history of highly migratory species is lacking, including data on age, growth, indices of abundance, reproduction, post-release and natural mortality, infectious disease, anthropogenic disturbance, habitat utilization/migratory behavior and stock structure. Research by the consortium is expected to fill the gaps in information that will reduce uncertainty in stock assessment models and population status, and inform appropriate quotas to promote sustainability. In particular, the consortium will gather data on:

- stock structure and life history of five tuna species (albacore, bigeye, bluefin, skipjack, yellowfin), swordfish, and at least 12 shark species (Atlantic sharpnose, blacknose, blacktip, bull, great and scalloped hammerheads, lemon, nurse, sandbar, spinner, tiger, and white sharks) in the Northwest Atlantic and Gulf of Mexico.
- fishes vulnerable as bycatch in Northwest Atlantic commercial pelagic longline fisheries, and from electronic monitoring of shark bycatch in Gulf of Mexico bottom longline fisheries.
- commercial and recreational post-release mortality of swordfish in the Northwest Atlantic and great hammerhead sharks in the Gulf of Mexico.
- life stage distribution and habitat of five tuna species (albacore, bigeye, bluefin, skipjack, yellowfin) and other pelagic teleosts, including mahi mahi, blue and white marlins, sailfish, swordfish and wahoo; pelagic sharks, including blue, shortfin mako and white sharks; and up to 11 coastal shark species.
- offshore oil platform impacts to health and movements of yellowfin tuna, comparing biological information on yellowfin tuna in the northern Gulf of Mexico, and those captured in the eastern Gulf of Mexico and Northwest Atlantic.

Contact: Margaret Nagle, 207.581.3745

## **Daily Bulldog advances Franklin County Extension Association’s 100th annual meeting**

**02 Oct 2019**

[Daily Bulldog](#) reported the Franklin County Extension Association will hold its 100th annual meeting and public supper 6–9 p.m. Oct. 16 at the Chesterville Town Office. Food will be served at 6 p.m., followed by the annual meeting and entertainment by Owen Kennedy, a 14-year-old fiddler from Winthrop. Supper is \$10 per person; reservations are required by Oct. 9.

## **The Conversation publishes Socolow piece about live TV interviews**

**02 Oct 2019**

[The Conversation](#) published an opinion piece by Michael Socolow, an associate professor of communication and journalism at the University of Maine. The piece is titled “Misinformation, evasion and the informational problem of live TV interviews.” [Houston Chronicle](#) and [The Telegraph](#) of Illinois also carried the article.

## **Knight discusses breeds of meat chickens for BDN article**

**02 Oct 2019**

Colt Knight, assistant professor with the University of Maine Cooperative Extension and Maine state livestock specialist, spoke with the [Bangor Daily News](#) for an article about the best breeds of meat chickens. Chickens that are raised specifically for meat are commonly known as broilers, and they are different from their egg-laying counterparts, the article states. “There is a huge difference,” Knight said. “If the goal is to have a meat-producing bird, raising an egg layer is a terrible idea.” One example, according to Knight, is egg-laying hens put on weight at a much slower rate than a broiler. Breeds Knight recommends include Cornish Cross, Jersey Giant, Bresse, Orpington and a variety of heritage breeds known as “freedom rangers.”

## **The County reports on new UMaine Extension location in Houlton**

**02 Oct 2019**

A new location for the University of Maine Cooperative Extension in Aroostook County may result in improved services and educational workshops, [The County](#) reported. Previously housed on the third floor of the Aroostook County Sheriff’s Office, the UMaine Extension office is now located at the Houlton Higher Education Center. The addition of UMaine Extension to the center means the facility is capable of delivering education and learning for the entire human lifespan, according to Mari Glatter, 4-H youth development professional with UMaine Extension. “Virtually any topic that you could wish to explore, or help youth to learn, can be discovered by walking through those doors,” she said.

## **Mayewski quoted in News Center Maine report on rare mosquito-borne virus**

**02 Oct 2019**

Paul Mayewski, Distinguished Maine Professor in the School of Earth and Climate Sciences and director of the Climate Change Institute at the University of Maine, was cited in a [News Center Maine](#) report about Eastern Equine Encephalitis, or EEE. The rare, mosquito-borne virus can be deadly. In Maine, there have been no human cases, but in nearby Massachusetts there have been 12, including three deaths. Residents of York County have been urged to take precautions after a horse contracted the virus and mosquitoes in a pool in Lebanon also tested positive for EEE, according to the report. Some climate experts say the hotter summers, milder winters, and more frequent and heavier rains have led to larger populations of mosquitoes. “Diseases that are to the south that require warmer conditions are going to appear in Maine,” Mayewski said.

## **Fournier discusses youth outdoor recreation on Maine Public’s ‘Maine Calling’**

**02 Oct 2019**

Ronald Fournier, director of the University of Maine 4-H Camp and Learning Center at Bryant Pond, was a recent guest on [Maine Public's](#) "Maine Calling." The show focused on getting young people involved in outdoor activities including fishing and hunting.

#### **WABI advances March Against Domestic Violence**

**02 Oct 2019**

[WABI](#) (Channel 5) reported on a March Against Domestic Violence to be held at the University of Maine on Oct. 2. The Maine Business School (MBS) Corps is organizing the sixth annual march to raise awareness about domestic violence. "A lot of people, especially college-aged students, don't really understand the dangers of domestic violence," said UMaine student Luke Guibord, vice president of MBS Corps. "I think it kind of brings a lot of awareness to this ongoing problem." Even just attending an event sends a message of support for the many people affected by domestic violence, WABI reported. "We feel like together, if everybody has that awareness, we can make a difference," said Nory Jones, professor of management information systems at UMaine.

#### **Hall named Fellow of the American Speech-Language-Hearing Association**

**03 Oct 2019**

Nancy Hall, professor of communication sciences and disorders, and department chair, has been named a Fellow of the American Speech-Language-Hearing Association. Fellowship is one of the highest honors of the association. A nominee must have made contributions to the discipline of communication sciences and disorders that are significant both within and beyond one's community and state. While there are thousands of members who fulfill their professional responsibilities competently, only a small percentage have, by virtue of the quality and amount of their contributions, distinguished themselves sufficiently to warrant recognition. Hall will be honored at the national convention in Orlando, Florida, Nov. 22.

#### **Mitchell Lecture on Sustainability to focus on 'optimistic vision' for world**

**03 Oct 2019**

Creating visions for nature and people that tackle the linked sustainability challenges of climate change, biodiversity loss and human development and translating them into timely solutions is the focus of the [2019 Mitchell Lecture on Sustainability](#) at the University of Maine. E.J. Milner-Gulland, Tasso Leventis Professor of Biodiversity at the University of Oxford, will present "An Optimistic Vision for a Sustainable, Wild, and Socially Just World," at 2 p.m. Oct. 8 in Hauck Auditorium, with remarks by Sen. George Mitchell. The event is free and open to the public. Tickets are required and are available [online](#). For more information or to request a reasonable accommodation, call 581.3196. Using examples from her work in conservation, Milner-Gulland will discuss how to put more effective institutions and incentives in place, so individual behavior and the decisions of companies and governments are more aligned with ecological sustainability and improving human well-being. While her examples will focus mostly on wildlife exploitation and rural people living in low-income tropical countries, the lessons are universal. Milner-Gulland's research group undertakes a range of projects on five continents and in marine and terrestrial settings. The projects include developing and applying methods for understanding, predicting and influencing human behavior in the context of local resource use in developing countries, and working with businesses to improve their environmental and social sustainability. Her team also works on controlling the illegal trade in wildlife and on designing, monitoring and evaluating conservation interventions to improve their effectiveness. She aims to ensure that all the research in her group is addressing issues identified by practitioners, and is carried out collaboratively with end-users. Launched in 2007, the Senator George J. Mitchell Lecture on Sustainability serves as a forum in which the university community, the general public, and many others can learn from and interact with some of the world's leading thinkers about strategies for accelerating the transition to a sustainable world. Sharing the stage with these extraordinary thought leaders, Mitchell offers his insights about the importance of sustainable development, a subject he first addressed in his 1991 book, "World on Fire: Saving an Endangered Earth." More about the lecture is [online](#).

#### **UMM, Downeast Salmon Federation sign MOU, media report**

**03 Oct 2019**

[Machias Valley News Observer](#) and [Mainebiz](#) reported the University of Maine at Machias and the Downeast Salmon Federation (DSF) signed a memorandum of understanding Oct. 2 that formalized the growing partnership between the two organizations. "Partnering with DSF both broadens and strengthens the STEM programs that the university can offer students," said Daniel Qualls, head of campus at UMM. "We can get our students out in the field doing real science."

#### **Union Leader advances Mauery's Portsmouth art exhibit**

**03 Oct 2019**

The [New Hampshire Union Leader](#) reported on a Portsmouth art exhibit by Andy Mauery, associate professor of art at the University of Maine. Mauery said her exhibition "devolve" is an emotional call to action on behalf of endangered species, and that she created an ode to nonhuman species that people can't seem to stop destroying. "I've been very worried about our environment. I don't need the news to stir this up in me," Mauery said. "We have all of this information on how to not destroy these species, but we don't do that." Mauery's work is on display at 3S Artspace in Portsmouth starting Oct. 3. One of its most unique features is her incorporation of human hair, the article states. "I picked hair because we all have it, and we have this attraction (and repulsion) to it," Mauery explained.

#### **Boothbay Register, Wiscasset Newspaper report DMC students take touch tank to Pemaquid festival**

**03 Oct 2019**

[Boothbay Register](#) and [Wiscasset Newspaper](#) published a University of Maine Darling Marine Center news release about Semester by the Sea students running a touch tank at the Pemaquid Oyster Festival in September. The free festival included educational exhibits, vendors, music and oysters. Each year, the Semester by the Sea volunteers bring the touch tank to the festival. "I really like figuring out how to translate my knowledge of marine science," said Brynn Yarbrough, a UMaine senior marine sciences student. "It's a good thing for this to be part of SBS; it's important for a scientist to be able to explain things to a member of the public." Semester by the Sea is a hands-on, field-oriented residential program of the School of Marine Sciences based at the DMC in Walpole. It's geared to prepare students for a career and/or to pursue an advanced degree in marine and environmental sciences. Participants can take courses in marine ecology, scientific diving, fisheries science, microbiology and oceanography, among others. Lectures, labs and field trips are scheduled around the tides.

#### **Free Press previews Fall Harvest Festival, trail race at Tanglewood**

**03 Oct 2019**

The [Free Press](#) reported the University of Maine Cooperative Extension 4-H Camp and Learning Center at Tanglewood in Lincolnville will host a Fall Harvest Festival and the Tanglewood Tracks 3.5-mile trail race Oct. 5. Funds raised from the race will support local youth to attend summer camp programs. The race begins at 10 a.m. with registration starting at 9 a.m. The Fall Harvest Festival will be held 11 a.m.–2 p.m. The free, family-friendly event features cider pressing, puppet shows, nature hikes, archery, nature crafts, gardening and tours, according to the article. Snacks will be available and families are encouraged to bring a picnic lunch.

#### **Brewer speaks with Maine Public about lawmakers facing pressure in impeachment inquiry**

**03 Oct 2019**

Mark Brewer, a political science professor at the University of Maine, was interviewed by [Maine Public](#) for the report, "Maine lawmakers face pressure from both sides in impeachment inquiry — and it's history repeating." Democratic U.S. Rep. Jared Golden is one of about 10 House Democrats who has not expressly announced support for the impeachment inquiry. He's taking heat from some of the progressive activists who supported his narrow victory over Republican Bruce Poliquin last year, Maine Public reported. "He has to be very careful about where he comes out on impeachment," Brewer said, adding Golden's current position will not satisfy either of his constituencies, both of which are demanding declarations of guilt or innocence. Brewer said the pressure will only increase if the impeachment inquiry comes to a vote in the House of Representatives. "Almost certainly he's going to anger a fair amount of his constituents either way," he said. Brewer added that impeachment puts Republican Sen. Susan Collins in even greater political jeopardy. "She certainly can't do what some Republican senators are doing and saying, 'There's nothing to see here,' or use [Sen.] Lindsey Graham's terminology that this is a 'big nothingburger,'" he said. "She can't do that. She also can't enthusiastically line up in



favor of impeachment.” [WBUR](#) (NPR Boston) also carried the Maine Public report.

#### **UMaine Extension advises raking leaves to avoid spread of tar spots, WAGM reports**

**03 Oct 2019**

[WAGM](#) (Channel 8 in Presque Isle) reported officials with University of Maine Cooperative Extension recommend the public rake leaves to avoid the spread of tar spots. Tar spots are raised, black spots that form on the upper surfaces of maple leaves due to a fungal infection, according to the report. The fungi that cause tar spots overwinter on infected leaves that fall to the ground. The following spring, the fungi produce spores which are carried by the wind and can re-infect susceptible foliage at bud break, if weather conditions are right, WAGM reported. The most effective management strategy is to rake and destroy infected leaves in the fall. UMaine Extension officials said the application of fungicides to control tar spots is typically not recommended because complete coverage of all infected leaf surfaces is necessary and can be extremely difficult and costly.

#### **Moran talks apples on Maine Public’s ‘Maine Calling’**

**03 Oct 2019**

Renaë Moran, an associate professor of pomology at the University of Maine and a fruit tree specialist with University of Maine Cooperative Extension, was a recent guest on [Maine Public](#)’s “Maine Calling.” The show focused on the science, business and joy of apple growing and picking in Maine.

#### **News Center Maine covers March Against Domestic Violence**

**03 Oct 2019**

[News Center Maine](#) reported on the sixth annual March Against Domestic Violence held at the University of Maine. “This group we expect to be the largest attendance that we’ve ever had for the march,” said Austin Cashman, a UMaine student and member of the Maine Business School (MBS) Corps, which organized the event. “Each year we just keep trying to grow this audience ... this isn’t required by anyone. Everyone you see behind me is here strictly on their own initiative.” Among the speakers at the event was U.S. Rep. Jared Golden, who said it is important to talk about domestic violence. “This is a significant problem in Maine — talk to any police department, police officer, and they can tell you that,” he said. “Raising awareness is, I think, a bigger part of trying to push back against this problem.” [WYII](#) (Channel 7) also covered the event.

#### **Andrea Steward: Social work master’s student part of global outreach through Democracy International practicum**

**04 Oct 2019**

“My roots are, and will always remain, in the shadow of Katahdin, in Millinocket,” says Andrea Steward. And this summer she had the chance to expand on those roots with global outreach through a social work practicum with Democracy International in Bethesda, Maryland before graduating in August with a master’s degree in social work. Democracy International is an implementer for the United States Agency for International Development (USAID) that focuses on projects in four core areas: Politics, Governance, Learning, and Peace and Resilience. For her practicum, Steward split her time between the Strategy and Outreach team — which develops new project grant proposals that include local partner organizations, the background of the presenting issue, and activities designed to meet USAID goals — and the Programs team, which takes over once a grant is secured and creates a plan to implement and oversee the program framework. “On any given week I could be speaking with people in Ethiopia, Zimbabwe, the Philippines, Jamaica or Colombia,” says Steward. “I have the opportunity to engage with people all over the world, hear their needs and concerns, as well as witness the innovative and impressive work their local organizations have been doing to address those needs.” One week, for example, she attended an event at the United States Institute of Peace where leaders of Defendamos la Paz (Let’s Defend Peace), developed through the chat service WhatsApp and grown to a full citizens’ movement just months later, spoke about the movement’s current state, goals and future direction. The experience with Democracy International reinforced Steward’s passion for the path she has chosen. “I am honored to be entrusted with the stories of my community. Oftentimes the only thing I can do is bear witness to someone’s story, to their suffering,” says Steward. “Our lives are made up of a series of moments. I may not be able to change a person’s past or keep them from all future suffering, but if I can do one thing at this moment to alleviate some discomfort or share the weight of the burden with them, that is what I want to do, while working with them to address and change the systems which allow and often perpetuate the causes of suffering, marginalization, and oppression every day. It is through the constant reminder of my passion, internal reflection, and incredible friendships which allow me to continue doing the work that fulfills me.” When not in the classroom or at work, Steward enjoys spending time hiking in forests or mountains, kayaking and swimming in the river, often with her chocolate lab, Tank. “I find the outdoors to be a therapeutic escape from the world,” says Steward. “I love to travel and explore new places. You will often find me talking about coffee and food while indulging in both.” Steward also earned a bachelor’s degree in social work from UMaine in 2016. “UMaine has a way of making you feel like you are home, from the support and welcoming of fellow students to the faculty,” says Steward. “UMaine Social Work is a tight-knit program with an incredibly dedicated faculty who often go above and beyond for their students. Their encouragement and knowledge have helped guide my career.” Contact: Cleo Barker, 207.581.3729

#### **Beef quality assurance and low-stress handling workshop Oct. 15**

**04 Oct 2019**

University of Maine Cooperative Extension will offer a beef quality assurance and low-stress cattle handling workshop 5:30–7:30 p.m. Tuesday, Oct. 15 at Findview Farm in Gorham. Workshop topics include differences between grass- and grain-fed beef, key issues with Maine-raised beef cattle and beef quality assurance, and demonstrations of low-stress handling techniques. Participants will have the opportunity to become certified in Beef Quality Assurance. UMaine Extension livestock specialist Colt Knight will lead the workshop. The fee is \$10 per person; [online](#) registration is required. For more information or to request a reasonable accommodation, contact Rebecca Gray, 207.781.6099, [rebecca.gray@maine.edu](mailto:rebecca.gray@maine.edu).

#### **UMaine mentioned in Press Herald article on marine research funding approval**

**04 Oct 2019**

The [Portland Press Herald](#) reported the Senate Appropriations Committee unanimously approved funding increases to several federal programs critical to Maine’s coastal communities. The committee approved the fiscal year 2020 budget bill for the U.S. Departments of Commerce and Justice and related science agencies, including provisions to boost funding for the National Sea Grant program by \$7 million to \$75 million, with \$2 million allocated to support research on lobsters and herring (which lobstermen use as bait), and how the rapid warming of the Gulf of Maine affects them, according to the article. This follows the \$2 million awarded from Sea Grant’s fiscal year 2019 budget to lobster researchers at the University of Maine, the Gulf of Maine Research Institute, the Wells National Estuarine Research Reserve and other institutions, the article states. [Centralmaine.com](#) also published the report.

#### **Sarasota magazine reports on grant to study migratory sharks**

**04 Oct 2019**

[Sarasota](#) magazine reported Mote Marine Laboratory in Sarasota, Florida is working on a project led by the University of Maine to improve stock assessment, management and sustainability of highly migratory species such as tuna, swordfish and sharks in the Atlantic Ocean and Gulf of Mexico. The new research consortium was awarded a \$1.6 million grant from NOAA Sea Grant. The Pelagic Ecosystem Research Consortium (PERC) was one of three competitive awards totaling \$2 million awarded through the 2019 Sea Grant Highly Migratory Species Research Initiative. Mote’s Center for Shark Research is leading the shark component of PERC’s objectives, the article states.

#### **Fernandez quoted in Ellsworth American article on going carbon neutral**

**04 Oct 2019**

Ivan Fernandez, a University of Maine professor of soil science and forest resources, spoke with [The Ellsworth American](#) for an article looking at what Gov. Janet Mills’ carbon-neutral pledge means for Hancock and Washington counties. “Conservation [of energy] is the low-hanging fruit,” said Fernandez. Distinguished Maine Professor in the School of Forest Resources, Climate Change Institute, and School of Food and Agriculture. At the community level, that means making sure residents have access to information about weatherization incentives and rebates, the article states. It also means updating building code requirements to ensure new buildings are constructed efficiently. Trees capture and store carbon in their leaves and trunks, converting it to wood and using it to grow, according to the article. “Trees are the best gadget we have to take up carbon from the atmosphere,” Fernandez said. “So protecting, nurturing and expanding our green spaces is important.”

## **New Republic cites Fried in report on Nixon’s public opinion battle**

**04 Oct 2019**

Amy Fried, a professor of political science at the University of Maine, was quoted in [The New Republic](#) article, “How Richard Nixon lost the battle for public opinion.” The case for impeaching President Richard Nixon was not open and shut as far as the American public was concerned, according to the article. Today, public opinion has shifted dramatically since an impeachment inquiry was announced, with support for impeachment drawing even, or sometimes outpacing, opposition to it. While a clear majority does not yet favor removing President Donald Trump from office, Watergate provides clues about the president’s fate over the next year, the article states. Today, the number of independents is still high, but most voters reliably vote for one party. “There are fewer persuadable voters — not that there are none,” Fried said. “But to the extent that people are closely attached to a political party, they’re not going to change their views.”

## **Coffin quoted in BDN article on chicken that breaks into home to lay egg**

**04 Oct 2019**

Donna Coffin, an educator with the University of Maine Cooperative Extension, was quoted in a [Bangor Daily News](#) article about Kate McCormick’s 6-month-old Dominique egg-laying hen’s new routine at her Waldo homestead. “I was awake and the back door was open and before I knew it, I could hear a chicken walking up the stairs in my house,” she said. “I quietly went up to see and saw her go into the bedroom, hop on a stool, jump onto the bed and lay an egg.” It has now become an almost daily occurrence, and when the door is not open, McCormick said the chicken will peck at it from the outside or leap into the air and flap her wings against the door’s glass window. Human-chicken bonding is not all that unusual, according to Coffin. “Many pets bond with their humans, including chickens,” Coffin said. “Chickens, like most animals, can be trained by positive reinforcement, [and] chickens learn fast.” Coffin said chickens like to lay eggs in quiet, dark spaces. “I think a bedroom might meet those criteria,” she said.

## **Ellsworth American interviews Moran about Maine’s apple crop**

**04 Oct 2019**

[The Ellsworth American](#) spoke with Renae Moran, an associate professor of pomology at the University of Maine and a fruit tree specialist with University of Maine Cooperative Extension, for an article about this year’s apple crop. The 2019 Maine apple crop is sweet but not abundant, The Ellsworth American reported. “The color is excellent thanks to cool nights,” Moran said. “Cool temperatures enhance sweetness. Fruit size is good thanks to consistent rain.” Moran also explained that fruit flavor is best when the crop load is light. “I noticed this in the peaches this summer,” she said. “We had a very heavy crop on all varieties and their flavor was good, but not great.” Moran said she is now concerned about getting all the apples picked before the first freeze. “If they are frozen, they become unmarketable,” she said.

## **Chronicle of Higher Education cites UMaine for positive reflection of underrepresented-minority populations**

**04 Oct 2019**

In a Sept. 20 [Chronicle of Higher Education](#) listing, “Do Freshmen at Flagships Reflect Underrepresented-Minority Populations of States?” the University of Maine was first with a 0.7 percentage-point difference, followed by West Virginia University with 0.4 percentage-point difference, based on 2017 enrollments. The Chronicle noted: “Only two of the leading public institutions for each state had a percentage of underrepresented minorities among domestic, full-time, first-time freshmen that even slightly exceeded the estimated percentage of those minorities among 17- to 21-year-old residents of that state. The other 48 flagship universities had negative percentage-point differences, meaning their fall 2017 adjusted entering-student cohorts fell short of being as representative of underrepresented minorities as were state representatives in that age group.” Since 2010, UMaine has taken strides to reach an increasing number of students from outside Maine. The percentage of students from out of state increased from 21% in 2010 to 46% in 2018. The broader reach has, in turn, increased the diversity of the UMaine community. The percentage of incoming first-year, full-time students who indicated their ethnicity and identified as an underrepresented minority student increased from 4% in 2010 to 8% in 2018 — an increase of 95 students. The largest increase was seen in the Hispanic population: In 2018, 5% of students who indicated their ethnicity were Hispanic, compared with only 2% in 2010. “The University of Maine and the University of Maine at Machias are committed to demonstrating excellence in inclusivity on our campuses and in our campus culture,” says Robert Dana, UMaine vice president for student life and dean of students. “We encourage and support all members of our university communities to make this a welcoming and inclusive environment where diversity — in all its forms — is valued and central to all our efforts.”

## **Conference to focus on Maine forest certification legacy, future**

**04 Oct 2019**

The Maine Division of the New England Society of American Foresters will hold its annual fall meeting Oct. 7–8 at the University of Maine. The meeting will be held 8 a.m. to 3 p.m. both days in Wells Conference Center and will focus on “Forest Certification: Its Legacy and Future in Maine.” The conference, which is co-hosted by UMaine, will discuss the history of forest certification and how it has changed forest management, how markets for forest products have responded, and what the future holds. The first day will look at the land management perspective, and the second will examine the socioeconomic view. Opening remarks will be made via video by U.S. Sens. Angus King and Susan Collins. Conference speakers will come from the forest industry, nongovernmental organizations and academia. Scheduled presenters from UMaine include Mindy Crandall, assistant professor of forest landscape management and economics; and Erin Simons-Legaard, assistant research professor in forest landscape modeling. A limited number of seats are still available by emailing Laura Audibert, [la4568@roadrunner.com](mailto:la4568@roadrunner.com). More about the event, including a conference agenda, is [online](#).

## **UMaine experts among leaders in new Climate Adaptation Fellowship**

**07 Oct 2019**

The Climate Adaptation Fellowship, a peer-to-peer learning program designed to build climate resilience across farms, forests and communities, has launched its official [website](#). According to a [news release](#) about the initiative, the Climate Adaptation Fellowship provides “a curriculum designed to give farmers, foresters, and advisors the information they need to adapt to climate change, bring climate change into their outreach programs, and talk about climate change with peers and colleagues.” Ivan Fernandez, UMaine professor of soil science and Distinguished Maine Professor in the School of Forest Resources, Climate Change Institute, and School of Food and Agriculture, is a project co-principal investigator on the Climate Adaptation Fellowship [leadership team](#). He also is on the four-member advisory committee and a content contributor on the forestry team. Glen Koehler, who has directed the University of Maine Cooperative Extension Tree Fruit Integrated Pest Management (IPM) Program since 1988, also is a Climate Adaptation Fellowship co-PI, and is lead author for the tree fruit curriculum module. Other UMaine experts contributing on curriculum [module teams](#) are Lily Calderwood, UMaine assistant professor of horticulture and Cooperative Extension wild blueberry specialist, vegetable and small fruit team; and Rick Kersbergen, UMaine Extension professor, the dairy module lead author. The Climate Adaptation Fellowship grew out of the [USDA Northeast Climate Hub](#), a collaboration of United States Department of Agriculture agencies, with partnerships with the University of Maine and 11 other regional land grant universities. Based in Durham, New Hampshire, the USDA Northeast Climate Hub is one of seven regional hubs nationwide formed to address increasing climate and weather-related risks to agriculture, broadly defined to include farms and forests. The partnership is focused on creating a network of information sharing designed to provide stakeholders with resources to both mitigate greenhouse gas emissions and adapt to the challenges of a changing climate. The universities are active partners in developing, implementing and evaluating materials that describe how to best cope with increasing weather variability and longer-term trajectories of change in the climate system. Fernandez serves as the UMaine point of contact for the USDA Northeast Climate Hub.

## **Expanding Your Horizons seeks volunteers for Oct. 15**

**07 Oct 2019**

Expanding Your Horizons is an annual conference at the University of Maine dedicated to inspiring girls to recognize their potential and pursue opportunities in science, technology, engineering and math. This year, more than 300 middle school girls will come to UMaine on Tuesday, Oct. 15 for presentations, workshops and other hands-on STEM activities with scientists from UMaine and other institutions. The University of Maine Cooperative Extension, which sponsors the event, is welcoming volunteers to help guide the groups and answer any questions they might have about college. Faculty, staff, and undergraduate and graduate students can register to volunteer from 8:30 a.m. to 1:30 p.m. Lunch will be provided. Registration is requested by the end of the day Wednesday, Oct. 9, and is [online](#). For more information, contact Laura Wilson at [laura.wilson@maine.edu](mailto:laura.wilson@maine.edu).

## **Traffic alert: Section of Stillwater Avenue closed Oct. 13–18**

**07 Oct 2019**

Stillwater Avenue between Bennoch Road and College Avenue will be closed Oct. 13–18 for sewer line replacement. UMaine community members need to plan accordingly and seek alternative routes. No through traffic will be allowed in the construction zone;

local traffic will be permitted up to Free Street.

#### **Turner Publishing, Advertiser Democrat advance Oxford County Extension open house**

**07 Oct 2019**

[Turner Publishing](#) and [Advertiser Democrat](#) reported the University of Maine Cooperative Extension Oxford County office will host its annual fall open house from 2–6 p.m. Oct. 18. The event offers a chance for community members to mingle and meet staff, including Sara Johnson, UMaine Extension 4-H professional, and Emma Fournier, Extension horticulture community education assistant, who both joined the office this summer. An awards ceremony will take place at 4 p.m., and there also will be a muffin baking contest, according to the article. The event is free and open to the public. For more information or to request a reasonable accommodation, call 207.743.6329 or email [extension.oxford@maine.edu](mailto:extension.oxford@maine.edu).

#### **Lincoln County News quotes Wahle in report on slow start for lobster fishery**

**07 Oct 2019**

[The Lincoln County News](#) quoted Rick Wahle, director of the Lobster Institute at the University of Maine, in the article “Cold Spring, Late Molt Lead to Slow Start for Lobster Fishery.” A cold, wet spring and late molt, or shed, appear to have contributed to a reduction in lobster landings so far this year in Lincoln County, the article states. Wahle said there are usually a lot of lobsters around July 4, but the lobster molt did not begin until early August this year. Lobstermen at South Bristol Fishermen’s Co-op are hoping for a second molt and increase in landings to make up for the slow start. A second molt is possible, according to Wahle, who noted that the season is far from over. He said that cooler water temperatures over the summer could also be slowing lobsters’ growth rates and leaving fewer lobsters of legal size, and other factors contributing to a potential slowdown could include the late molt and a general decline in recruitment. Wahle’s lab has been tracking lobster population trends for its American Lobster Settlement Index since 1989, and explained that it’s a “relative measure of the numbers of babies repopulating coastal nurseries each year.” He said his research into lobster larval transport, which involves the effect of ocean currents on the movement of planktonic larvae along the coast, indicates a declining trend in new lobster settlement over the past seven or eight years, according to the article.

#### **Morning Ag Clips previews Great Maine Apple Day, preservation workshop**

**07 Oct 2019**

[Morning Ag Clips](#) previewed the annual Great Maine Apple Day, which will be held noon to 4 p.m. Oct. 13 at the Maine Organic Farmers and Gardeners Association (MOFGA) Common Ground Education Center in Unity. The event is sponsored by MOFGA, FEDCO and University of Maine Cooperative Extension. Featured presentations will include “Growing Healthy Apple Trees” with Glen Koehler, UMaine Extension associate scientist IPM, according to Morning Ag Clips. Admission is \$2 for MOFGA members and \$4 for nonmembers; children under 12 can attend for free. The article also previewed an “Apple Preservation Workshop” to be hosted by MOFGA at the FORK Food Lab in Portland from 5:30–8 p.m. Oct. 27. This workshop will be led by Kate McCarty, UMaine Extension food systems professional. Participants will learn how to preserve apples by canning, freezing and drying. The workshop cost is \$30, or \$20 for members of MOFGA or FORK Food Lab; registration is required.

#### **Brzozowski recent guest on WERU’s “Public Affairs” show**

**07 Oct 2019**

Richard Brzozowski, food system program administrator with University of Maine Cooperative Extension, was a recent guest on [WERU Community Radio](#)’s “Public Affairs” series. The show, “Common Ground” focused on veterans and farming in Maine.

#### **McKillen speaks with De Standaard for article about socialism in United States**

**07 Oct 2019**

Elizabeth McKillen, Adelaide and Alan Bird Professor of History at the University of Maine, was interviewed by the Belgian newspaper [De Standaard](#) for an article on the growing popularity of socialism in the United States. McKillen emphasized that contemporary Republicans are misguided to portray socialism as a foreign ideology at odds with American democratic traditions, since the United States has a long tradition of democratic socialism dating back to at least the late 19th century. Socialism proved particularly popular in the United States, McKillen argued, from 1900–1920, when more than 1,200 Socialists were elected to local, state and national offices. Although Republicans often cite the examples of the former Soviet Union and Venezuela in an effort to discredit contemporary U.S. Democratic Socialists such as Bernie Sanders or Alexandria Ocasio-Cortez, their agendas more closely resemble those of social democratic parties in Western Europe and build on the democratic traditions of earlier generations of American Socialists, according to McKillen.

#### **WVH interviews Gardner, grad student for report on tick research in Acadia**

**07 Oct 2019**

[WVH](#) (Channel 7) spoke with Allison Gardner, assistant professor of arthropod vector biology at the University of Maine, and Sara McBride, a master’s student in ecology and environmental sciences at UMaine, for a report about their research on ticks in Acadia National Park. “Visitors were reporting that one of the things they’re most concerned about as a consequence of climate change is increased risk of exposure to diseases transmitted by insects and arthropods,” said Gardner. A team of UMaine researchers is working on a guide to raise awareness and reduce this risk. “The idea is to take these sites and be able to build a model or map with where ticks may be in high or low numbers across the entire park,” said McBride, the field research leader of the project. So far, the areas with the most ticks found are the ones with heavy tree cover, WVH reported. “I think it shouldn’t discourage people. I think it should inform their decisions when they go into these areas and encourage them to do tick checks,” said McBride, who recommends park visitors also cover up and use bug spray to protect themselves. “This can also inform infrastructure for the park so if they maybe wanted to create a new trail or boardwalk or something like that, they can pick safer areas for visitors to be going to,” McBride said. [WGME](#) (Channel 13) also reported on the research.

#### **Dagher recognized as 2019 Transportation Champion by the Maine Better Transportation Association**

**07 Oct 2019**

Habib Dagher, executive director of the University of Maine Advanced Structures and Composites Center, was recognized as the 2019 Transportation Champion by the Maine Better Transportation Association (MBTA) during an award ceremony Oct. 4 in Freeport. MBTA is the largest transportation organization in the state with 700 members. The award ceremony celebrates and recognizes leaders who have made a significant impact on transportation in Maine. Among past recipients of the MBTA award is U.S. Sen. Susan Collins. The 2019 Transportation Champion award was presented to Dagher for founding the UMaine Composites Center, a National Science Foundation-funded initiative housed in a 100,000 square-foot laboratory that has grown from a staff of four to over 240 under his tenure. In addition, the award recognizes Dagher’s leadership developing the award-winning composite arch bridge system known as Bridge-in-a-Backpack, a composite girder system known as the CT Girder, and for directing the Transportation Infrastructure Durability Center (TIDC), a Region 1 U.S. DOT University Transportation Center at UMaine. The mission of TIDC is to develop innovative, sustainable, next-generation solutions to improve the durability and extend the lifespan of existing and new transportation assets in New England and beyond. “I am truly humbled by the award and thank the MBTA,” Dagher said. “The award belongs to all of the world-class faculty, staff and thousands of students who have worked at the center, as well as our partners at the Maine DOT, government and industry.” Bridge-in-a-Backpack is a lightweight, corrosion-resistant, cost-effective system for short to medium span bridge construction. The system uses composite arch tubes which act as reinforcement and formwork for cast-in-place concrete. The arches are easily transportable, rapidly deployable, and do not require the heavy equipment or large crews needed to handle the weight of traditional construction materials and extend structural lifespan up to 100 years. The CT Girder, an extension of the Bridge-in-a-Backpack technology, provides an affordable, long-term solution to traditional steel and concrete medium span deck bridges. It consists of lightweight composite tub girders with a precast or cast-in-place concrete deck. The lightweight bridge system is designed to last 100 years with little to no maintenance and is targeted to be used for highway bridges, pedestrian bridges and military applications. The Transportation Champion Award was presented to Dagher by Brit Svoboda, chairman and CEO of AIT Bridges, the company commercializing the Bridge-in-a-Backpack and CT Girder. In his remarks, Svoboda spoke of the influence the UMaine Composites Center has, not just in developing bridge technologies, but other innovations with global impact and the training of more than 2,400 professionals. Svoboda spoke of Dagher’s history of innovation, including being named on more than 40 patents and being honored as a White House Transportation Champion of Change. AIT Bridges is hiring 40–50 employees, many of whom will likely be University of Maine graduates. Since 1983, the Maine Better Transportation Association has recognized individuals in the field of transportation in Maine. This was the 13th Maine Transportation Achievement awards ceremony, attended by 200 construction, engineering, insurance, banking and consultant industry professionals.

#### **New study finds the spatial extent of U.S. summer heat waves increasing substantially by mid-century**

**07 Oct 2019**



By the middle of this century, the average spatial extent of summer heat waves in the United States could be up to 80% larger than they are today if greenhouse emissions continue unabated, according to a new study led by a University of Maine climate scientist. Bradfield Lyon, associate research professor with the UMaine Climate Change Institute and School of Earth and Climate Sciences, led a research team that applied an algorithm to daily temperature data to identify contiguous heat wave regions across the U.S. during May to September in both the current climate (1979–2009) and in climate model projections for 2031–55. The researchers found that by mid-century, in a middle-of-the-road greenhouse gas emissions scenario, the average size of heat waves increases by 50% relative to the current climate. Under high greenhouse gas emissions, the average size increases by 80%, with the more extreme heat wave events more than doubling in size. “Larger spatial extent of heat waves strongly suggests larger human exposure and increased energy demand, and could also have implications for fire risk and air quality,” according to the researchers, who published their study in Environmental Research Letters. Previous studies have shown that heat waves — consecutive days with extreme daily temperatures — are expected to increase in duration, intensity and frequency as the climate system warms in response to increasing greenhouse gas concentrations. An important physical attribute that has not been systematically analyzed is the spatial extent of contiguous heat wave regions. The study provides a new framework from which to analyze heat waves and their impacts. The work was funded in part by the NOAA Climate Program Office’s Climate Observations and Monitoring Program. In addition to Lyon, the research team members were Anthony Barnston and Radley Horton of Columbia University and Ethan Coffel from Dartmouth College. A NOAA news release on the study is [online](#). Contact: Margaret Nagle, 207.581.3745

#### UMaine to host World Languages Day Oct. 11

08 Oct 2019

Nearly 100 Bangor and Orono high school students studying French and Spanish are expected to participate in World Languages Day 8:30 a.m.–1:30 p.m. Oct. 11 at the University of Maine. The annual event, hosted by UMaine’s Department of Modern Languages and Classics, will be an immersion day in French and Spanish with activities including a culture bowl, spelling bee, skits, music and dance, games and poetry recitation. UMaine faculty, staff, community members and students, including members of the French Club and Spanish Language Club, will lead the activities in collaboration with the Foreign Language Association of Maine (FLAME) with the goal of enhancing language instruction. Other event sponsors include the College of Liberal Arts and Sciences, the McGillicuddy Humanities Center and the Canadian-American Center.

#### BDN profiles Pittis ’13, screenwriting success

08 Oct 2019

The [Bangor Daily News](#) profiled Patrick Pittis, Bangor native and 2013 University of Maine graduate, whose screenplay “Rubble” was recently purchased by Universal Studios. Selling a script to a major studio so early in his career is a boost that’s allowed Pittis to focus on screenwriting full time earlier than he expected, the article states. At UMaine, he initially studied theater and secondary education but changed his major, and graduated with a bachelor’s degree in communication. He then moved to California with Meghan Ballard, his wife and fellow UMaine graduate, and in 2018 earned a master’s degree in writing and producing for TV from Loyola Marymount University, the BDN reported. “I was not expecting success this early in my career,” said Pittis. “I just finished my master’s degree, and I was anticipating working as an assistant for a few years before getting the opportunity to strike out on my own as a writer. For me, it’s a pretty big deal.” [WGME](#) (Channel 13) published the BDN article.

#### Phys.org publishes UMaine release on study of expanding spatial extent of heat waves

08 Oct 2019

[Phys.org](#) published a University of Maine news release about a new study that found the average spatial extent of summer heat waves in the United States could be up to 80% larger than today if greenhouse gas emissions continue unabated. The study was led by Bradfield Lyon, associate research professor with the UMaine Climate Change Institute and School of Earth and Climate Sciences. The study provides a new framework from which to analyze heat waves and their impacts, and was funded in part by the NOAA Climate Program Office’s Climate Observations and Monitoring Program, according to the release.

#### News Center Maine covers pride flag raising for National Coming Out Week

08 Oct 2019

[News Center Maine](#) covered a pride flag raising at the University of Maine on Oct. 7 to kick off Coming Out Week. The event was the first in a weeklong series of on-campus events in advance of National Coming Out Day on Oct. 11. Robert Dana, vice president for student life and dean of students; Rob Jackson, staff associate for diversity and inclusion; and Jane Pappas, a graduate assistant at the Rainbow Resource Center; gave remarks before the flag raising. “We are very lucky to be on a very accepting campus. We have full support on administration,” said Pappas. “We believe every student has a home here at the university, and this is one of the places where students find a sense of connection,” said Dana. “I think we’re really lucky here in Orono, I think the community itself is incredibly supportive,” said Jackson. “I think whenever the community comes together for Pride Week, Coming Out Week, any of these celebrations, or when something tragic happens, the first question we get is, ‘How can we help?’ ‘What do we need?’” Before unveiling the flag, Jackson paused to remember those who were victims because of their identity, according to the report. “The work still needs to be done in terms of providing equality for these folks, but I think more and more we’re seeing representations on campuses in businesses, in the media of those folks who for so long have been silenced and not felt that they had a voice,” Jackson said.

#### Media report \$1.6M NOAA grant to fund new research consortium

08 Oct 2019

The Associated Press, [Mainebiz](#) and [WABI](#) (Channel 5) reported a \$1.6 million grant from NOAA Sea Grant will fund a new research consortium led by Walt Golet at the University of Maine. The Pelagic Ecosystem Research Consortium (PERC) will focus on improving stock assessment, management and sustainability of highly migratory species such as tuna, swordfish and sharks in the Atlantic Ocean and Gulf of Mexico. The funding is one of three competitive awards totaling \$2 million awarded through the 2019 Sea Grant Highly Migratory Species Research Initiative, according to the articles. The research is expected to help contribute to better management of the species. “Highly migratory species are some of the most sought-after fish in the world, both commercially and recreationally, and yet there is so much to learn about their life history in order to improve the stock assessments that determine their population status, the allocation of fishing quotas and, ultimately, their sustainability,” said Golet, an assistant professor in the School of Marine Sciences. He is co-principal investigator on the project with David Kerstetter of Nova Southeastern University, Robert Hueter of Mote Marine Laboratory and Stephen Bullard of Auburn University. [Coastal News Today](#) carried the MaineBiz article, and [Savvy Seafood](#) published the WABI report. [U.S. News & World Report](#), [Maine Public](#), [WABI](#), [Portland Press Herald](#), [WGAN](#), [Times Union](#), [Orlando Sentinel](#), [Beaumont Enterprise](#) and [Miami Herald](#) carried the AP report.

#### Semester by the Sea students take part in Pemaquid Oyster Festival, Damariscotta Pumpkinfest

09 Oct 2019

University of Maine Semester by the Sea students from the Darling Marine Center ran the touch tank Sept. 29 at the Pemaquid Oyster Festival. The Pemaquid Oyster Com. and Schooner Landing Restaurant host the annual festival in Damariscotta at the restaurant’s Main Street location. The free festival includes educational exhibits, vendors, music and plenty of oysters. And each year, the SBS volunteers from the DMC bring the touch tank to the festival. “I really like figuring out how to translate my knowledge of marine science,” says Brynn Yarbrough, a UMaine senior marine sciences student. “It’s a good thing for this to be part of SBS; it’s important for a scientist to be able to explain things to a member of the public.” SBS is a hands-on, field-oriented residential program of the School of Marine Sciences based at the DMC in Walpole. It’s geared to prepare students for a career and/or to pursue an advanced degree in marine and environmental sciences. Participants have a choice of unique courses in marine ecology, scientific diving, fisheries science, microbiology and oceanography, among others. Lectures, labs and field trips are scheduled around the tides. While many students are from UMaine, scholars from other institutions are welcome. This year, two students from China are enrolled. At the festival, SBS students shared information about several coastal critters, including lobsters, horseshoe crabs, scallops, oysters and sponges. Festival-goers asked a lot of questions about lobster size and age. The lobsters in the touch tank were much smaller than market-size lobster, and visitors were excited to see the young crustaceans. Volunteering at the Pemaquid Oyster Festival is one of the many engagement opportunities available to SBS students. Participation is part of the undergraduate professional development seminar that helps students prepare for the future. Look for SBS students in the InfoZone at the Damariscotta Pumpkinfest from 9 a.m. to 4 p.m. Oct. 12.

#### Penobscot Bay Pilot reports Hutchinson Center to offer restorative practices program

09 Oct 2019

[Penobscot Bay Pilot](#) reported the University of Maine Hutchinson Center in Belfast will offer “Foundations in Restorative Practices,” a six-session certificate program, beginning Dec. 5 and 6. Additional sessions in 2020 are Jan. 10, Feb. 13 and 14, and March 13. All sessions are from 9 a.m.–4 p.m. The focus of the program is the restorative approach, which emphasizes the importance of creating a positive, healthy school climate based on empathy, trust and respect, according to the article. The cost of the program is \$600 per person for six sessions and includes materials, a light breakfast and catered lunch. A limited number of need-based scholarships are available. Registration is [online](#). For more information or to request a reasonable accommodation, contact Diana McSorley, 207.338.8093; [diana.mcsorley@maine.edu](mailto:diana.mcsorley@maine.edu).

## **Morning Ag Clips, Livermore Falls Advertiser preview agriculture symposium for military veterans**

**09 Oct 2019**

[Morning Ag Clips](#) and [Livermore Falls Advertiser](#) previewed a symposium for military veterans and their partners involved in or exploring agriculture, hosted by Maine AgrAbility and United Farmer Veterans of Maine, from 9 a.m. to 3 p.m. Oct. 26 at the Maine Army National Guard Armory in Augusta. “Educate-2-Cultivate” will focus on business development skills and assistive technology. Veterans will be partnered with business mentors in individualized sessions, according to the articles. The cost is \$20 per person and includes a locally sourced lunch. Registration for veterans is [online](#); separate registration for nonveterans and fair vendors also is [online](#). For more information or to request a reasonable accommodation, contact Anne Devin, 207.991.2651; [anne.devin@maine.edu](mailto:anne.devin@maine.edu). Maine AgrAbility is a program of the University of Maine Cooperative Extension and Alpha One; the Maine 4-H Foundation also is supporting this event.

## **Witter Farm’s Trick or Trot included in BDN roundup of Halloween events**

**09 Oct 2019**

The annual Trick or Trot event hosted by the University of Maine’s Witter Farm was included in a [Bangor Daily News](#) roundup of Halloween events in eastern Maine. The event will be held at the farm in Old Town from 6 to 8 p.m. Oct. 25, and will feature games, candy, and an opportunity to meet and have photos taken with the farm’s horses, cows and sheep.

## **Smith mentioned in Morning Sentinel article on exhibit of artwork by children in detention camps**

**09 Oct 2019**

Susan Smith, assistant director of the intermedia master of fine arts program at the University of Maine, was mentioned in the [Morning Sentinel](#) article “Artwork from children in detention camps coming Saturday to Waterville.” Mary Dunn, a retired teacher who traveled to the border to bear witness at child detention facilities, is organizing a traveling exhibit of artwork done by children at the Tomillo Detention Center in El Paso, Texas. The exhibit, “Uncaged Art,” consists of matted and framed high-quality digital photos of the children’s original pieces. An opening reception and silent auction to support organizations that help immigrants, refugees and asylum seekers will be held Oct. 12 at Waterville Brewing Co., where the exhibit will be on display through Oct. 26. Donated auction items include artwork by Smith, who also traveled to the border and whose associated artwork received the Juror’s Award from the Surface Design Association. The exhibit will travel to the UMaine campus next, Morning Sentinel reported. [Portland Press Herald](#) published the Morning Sentinel article.

## **Journalism, political science student writes BDN op-ed**

**09 Oct 2019**

Liz Theriault, a fourth-year journalism and political science student at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled “Student activism is imperative for societal and political change.” Theriault is the communications intern for the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members’ columns appear in the BDN every other week.

## **Hopkins, Extension bulletin cited in BDN article on fall foliage**

**09 Oct 2019**

Kathy Hopkins, University of Maine Cooperative Extension educator, was quoted in the [Bangor Daily News](#) article “Fall foliage expected to be at peak color this weekend in Maine.” Fall foliage in Maine is predicted to reach its peak, when 70–100% of leaves have changed color, on Oct. 12 and 13, according to the article. “Things that promote good leaf color are a balance of warm, sunny days and plenty of rain, and cold nights — but not below freezing,” said Hopkins. “The whole process is weather dependent.” Color change in leaves is a chemical transformation that occurs when decreasing day length and temperatures cause them to stop producing green chlorophyll, according to a UMaine Cooperative Extension [bulletin](#). The remaining chlorophyll breaks down and the green pigment disappears to reveal yellow and orange pigments already existing in the leaves, the article states. [WGME](#) (Channel 13) carried the BDN report.

## **WABI covers forestry conference at UMaine**

**09 Oct 2019**

[WABI](#) (Channel 5) covered the annual fall meeting of the Maine Division of the New England Society of American Foresters, held this year at the University of Maine on Oct. 7 and 8. The focus of the conference was the legacy and future of forest certification. Forest certification is a way to manage, label and trace the quality of a product and ensure the forested land is being properly managed, WABI reported. “Other locations have been learning from Maine,” said Stephen Shaler, director of the School of Forest Resources at UMaine. “Twenty-five years ago what happened here in certification informed and impacted the rest of the United States and North America. So, we have a legacy of that impact and a lot of the people in this room were the pioneers in terms of, how does that happen. We’ve learned how to do that, how to do that better and we see that happening moving forward.”

## **Dagher recognized as 2019 Transportation Champion, Mainebiz reports**

**09 Oct 2019**

[Mainebiz](#) reported Habib Dagher, executive director of the University of Maine Advanced Structures and Composites Center, was recognized as the 2019 Transportation Champion by the Maine Better Transportation Association (MBTA) at an Oct. 4 ceremony in Freeport. Dagher received the award for his founding of the composites center, a National Science Foundation-funded program housed in a 100,000-square-foot laboratory, which has grown from a staff of four to more than 240 under his tenure. The award also recognized Dagher’s leadership in developing the composite arch bridge system Bridge-in-a-Backpack and a composite girder system, the CT Girder, as well as directing the Transportation Infrastructure Durability Center, according to MaineBiz.

## **Center on Aging receives \$147K award to continue research on older adult volunteer participation**

**09 Oct 2019**

The University of Maine Center on Aging has received a \$147,000 award from the Corporation for National and Community Service (CNCS) to build on previous research on volunteer participation among older adults. Older adults today are balancing multiple roles including working, caregiving, and helping in their community. The volunteer sector is looking for ways to engage increasingly busy older adults in formal volunteer service, according to principal investigator Jennifer Crittenden, associate director of the Center on Aging. Research during the past two years, also funded by CNCS, found that older workers and caregivers are more likely to experience role-related strain when engaged in volunteer work along with other obligations. The third year of the project will expand on and further explore these findings, and focus on distributing the findings to those who could benefit from the knowledge — volunteer managers, older adult volunteers, the aging network and other researchers. The initiative also will include research to create profiles of volunteer programs with innovative practices that support volunteers who also are working or caregiving. These will inform ways for volunteer managers to more effectively engage older adults in volunteer work — for example, if a program director learns that a volunteer is a caregiver, they can connect that person with local caregiver resources. The Center on Aging aims to promote and facilitate activities on aging in the areas of education, research and evaluation, and community service to maximize the quality of life in older citizens and their families in Maine and beyond. Contact: Cleo Barker, 207.581.3729

## **UMaine students interned with NOAA salmon research team this summer**

**09 Oct 2019**

Six University of Maine students were part of a group of eight students who interned this summer with the Atlantic Salmon Ecosystems Research Team, part of the NOAA Northeast Fisheries Science Center based at the Woods Hole Laboratory on Cape Cod, Massachusetts and the Maine Field Station in Orono. The students worked on rivers, at fish hatcheries and in labs across Maine and in Massachusetts, expanding academic knowledge and practical and social skills. Owen VanDerAa, an ecology and environmental sciences student, and Andy Clement, a marine policy graduate student, spent the summer working on Atlantic salmon freshwater assessments and research at the Maine Department of Marine Resources in Jonesboro. VanDerAa also worked on salmon habitat and river enhancement in the Narraguagus River, and gained a better understanding of the status of the fish as a resource. Clement worked with nonprofit organization Project SHARE (Salmon Habitat and River Enhancement) to return the river to a healthy state with a

natural flow and path. Miranda Furnari, a marine sciences student, studied sturgeon habitat, predator-prey interactions and population dynamics on the Penobscot River. She was able to experience the full range of a scientist's tasks, and broadened her knowledge of



how the fish are being affected by other species and the environment. [caption id="attachment\_73676" align="alignright" width="475"] Intern transports adult fish[/caption] Spencer Campbell, a wildlife ecology student, monitored the annual returns of endangered Atlantic salmon to the Penobscot River at the Milford fish lift for the Maine Department of Marine Resources in Bangor. He also worked on habitat restoration with Project SHARE. Brian Silva, a marine sciences student, spent his summer at the Woods Hole Laboratory studying the energy-density dynamics of key prey species found along the west coast of Greenland. The work will help researchers analyze prey composition to determine how valuable those species are to forager species. And Liberty Chestnut spent her summer at the Maine Department of Marine Resources in Augusta, her third summer as an intern there. She trapped smolt and fry, helped move salmon around dams and other impediments along their natural migration route, and engaged in other tasks while expanding her knowledge of river ecology. The other interns were Rachel Kim, a biology student at Juniata College, and Justin Chandler-Holtz, a biology and marine science student at Eckerd College. A full news story is on the NOAA Fisheries [website](#). Contact: Cleo Barker, 207.581.3729

#### **Ice core source discovery adds to study of volcanic activity, climate system interactions**

**09 Oct 2019**

A new discovery by University of Maine researchers that challenges the established volcanic source of particles found in an ice core from the South Pole adds to the global record of volcanism and is relevant to several research disciplines. Understanding how the Earth's volcanic activity interacts with the climate system, as well as volcanic hazard mitigation studies and reconstructions of how past volcanic events have affected human history often rely on detailed records of past volcanic eruptions. Unfortunately, in many parts of the world, historical records are sporadic, short and not well documented, according to Andrei Kurbatov, associate professor at the University of Maine School of Earth and Climate Sciences and Climate Change Institute. In the last decade, Kurbatov and Martin Yates, electron beam laboratory manager and instructor of Earth sciences at UMaine, in collaboration with Nelia Dunbar and Nels Iverson from the New Mexico Institute of Mining and Technology, developed a method of extracting volcanic ash particles from ice core samples to measure their geochemical composition. The new methodology provides additional means to refine the history of global volcanism captured in polar ice core records, according to Kurbatov. Laura Hartman, a graduate student at the CCI, used the methodology while examining microscopic volcanic ash particles in ice core samples from Antarctica's South Pole. Hartman was advised by Kurbatov and Earth and Climate Sciences assistant professor Alicia Cruz-Urbe. She found several particles from a volcanic interval that in the last three decades was attributed to a volcanic eruption from the Kuwae volcanic center in Vanuatu. Hartman determined the geochemical signatures of the particles, that provide a unique volcanic source fingerprint, and compared the signatures with the known composition of Kuwae volcanic products. She discovered the composition was similar to volcanic products from the South American volcano Reclus, not Kuwae. "The discovery challenges the established volcanic source for one of the largest ice core sulfate signals from the last millennium," Kurbatov says. "The new source location will impact how climate models calculate atmospheric loading and ultimately will guide how climate models determine the impact of this volcanic event on the climate system." The relatively young, unknown explosive volcanic eruption from Reclus volcano, located close to several national parks in South America, provides new important constraints for regional volcanic hazards assessments and air-traffic safety, Kurbatov says. The new data also question the existing paradigm on long-range transport of ultrafine volcanic particles in the atmosphere. With funding from the National Science Foundation, Kurbatov and his team plan to continue to explore volcanic deposits in the South Pole ice core using the new methodology to further refine the global record of volcanism. "Volcanic glass properties from 1459 C.E. volcanic event in South Pole ice core dismiss Kuwae caldera as a potential source" was published in [Scientific Reports](#). Other UMaine researchers involved in this multidisciplinary study include Cruz-Urbe and Dominic Winski. Researchers from the UK's Swansea University; University of California, Irvine; Northern Arizona University; Dartmouth College; University of Washington; and the National Science Foundation Ice Core Facility in Colorado also collaborated on the project. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

#### **Fogler Library's '2020 Census' guide featured in Federal Depository collection**

**10 Oct 2019**

The Federal Depository Library Program has featured Fogler Library's "2020 Census" [guide](#) on its [website](#) along with six other guides published by libraries across the country. Fogler Library's "2020 Census" guide provides an overview of the upcoming 2020 census along with information about how the census will be conducted.

#### **Eric Venturini to deliver Roque Island Lecture on Environmental Conservation**

**10 Oct 2019**

Pollinator biologist Eric Venturini will present the seventh annual Roque Island Lecture on Environmental Conservation on Oct. 16 at the University of Maine at Machias. The free public lecture, "Bees and Blueberries: Where Does It Go From Here?" will be held at 11 a.m. in the UMM Science Building, Room 102. It is sponsored by the Eastern Maine Conservation Initiative and UMM. Wild blueberries, first managed by the Wabanaki people, are important to Maine's culture and economy, Venturini says. He will discuss the future of blueberry cultivation in Maine amid growing concerns over declining native bee populations and a recent drop in market prices. Venturini is a partner biologist with the USDA Natural Resources Conservation Service and the Xerces Society, where he works to increase awareness of, and capacity for, pollinator conservation in New England. He studied wild blueberries and pollinators with entomologist Frank Drummond at the University of Maine, where he earned a master's degree in ecology and environmental sciences. For more information or to request a reasonable accommodation, call 255.1200.

#### **Morning Ag Clips advances Oct. 23 symposium on Maine's new forest economy**

**10 Oct 2019**

[Morning Ag Clips](#) previewed a symposium on Maine's new forest economy to be held at the University of Maine from 1-4:30 p.m. Oct. 23 in Wells Conference Center during National and Maine Forest Products Week. The conference, which is free and open to the public, is sponsored by UMaine, the Maine Forest Products Council and Forest Opportunity Roadmap/Maine (FOR/Maine). [Online registration](#) is required. Presentations will focus on how businesses and forest-focused professionals are adopting new product technologies and adapting historical industries to advancements in sustainable forestry practices, emerging markets, innovative applications and reinvestment in Maine's forest economy, the article states. For more information or to request a reasonable accommodation, contact Shane O'Neill, 581.2812; [foresteconomy@maine.edu](mailto:foresteconomy@maine.edu).

#### **UMaine survey cited in Business Insider article on pet costs**

**10 Oct 2019**

A University of Maine horse ownership survey was cited in the [Business Insider](#) article "Here's exactly how much it costs to own 12 common household pets." The average yearly cost of owning a horse is about \$3,876, according to the survey.

#### **Advertiser Democrat previews 'Cooking for Crowds' Oct. 21**

**10 Oct 2019**

[Advertiser Democrat](#) previewed “Cooking for Crowds,” a food safety training for volunteers hosted by University of Maine Cooperative Extension from 1–4 p.m. Oct. 21 at the UMaine Extension Oxford County office in South Paris. The training, which meets Good Shepherd Food Bank training requirements, offers up-to-date information on how to handle, transport, store and prepare foods safely for large group functions such as soup kitchens, church suppers, food pantries and community fundraisers. The fee is \$15 per person and includes all materials, according to the article. Registration is [online](#). For more information or to request a reasonable accommodation, call 743.6329 or 800.287.1482 (in Maine).

#### **Times Record cites UMaine economic impact study**

**10 Oct 2019**

In an article about a new brewery set to open in West Bath in December, [Times Record](#) cited a biennial [economic impact study](#) conducted by University of Maine assistant economics professor Andrew Crawley in conjunction with the Maine Brewers’ Guild. The study found the brewing industry in the state contributed more than \$260 million to Maine’s economy in 2017 and employed nearly 2,000 Mainers. [Kennebec Journal and Morning Sentinel](#) published the Times Record article.

#### **Maine Edge includes ‘Rumors’ in roundup of local fall theatre**

**10 Oct 2019**

[The Maine Edge](#) previewed a University of Maine School of Performing Arts production of “Rumors,” a classic farce by Neil Simon, in a roundup of local fall theatre events. A group of friends is assembling to celebrate the 10th wedding anniversary of Charley and Myra Brock — but Charley has been shot in the ear, and Myra and the kitchen staff are nowhere to be found. Ken and Chris try to keep the situation in check, but it quickly unravels as the other guests arrive. Directed by Julie Arnold Lisnet, the show runs Oct. 18–27, the Maine Edge reported.

#### **Gillon quoted in KUNC report on inclusive Greek organization**

**10 Oct 2019**

[KUNC](#) in Colorado quoted Kathleen Gillon, an assistant professor of higher education at the University of Maine, for a report on Theta Pi Sigma, a new Greek letter organization at the University of Colorado Boulder that is open to members of any gender and sexual identity. Fraternities and sororities were a college staple by the turn of the 20th century, but only for those permitted to attend, according to Gillon, who researches Greek life. “Traditionally fraternities and sororities were created around traditional notions of both gender and sexuality. So, typically this was a white student, cisgender students, Protestant students, upper-class students,” she said. In response to students being excluded within academic and co-curricular experiences, the first black and Asian American fraternities were founded in 1906 and 1929, and more inclusive organizations have been formed since then, the report states. “We see queer and trans or non-binary, gender non-binary students responding and creating organizations that allow them to identify and socialize and engage in ways that are authentic and representative of who they are,” said Gillon.

#### **DePoy featured in WalletHub piece about best, worst cities for people with disabilities**

**10 Oct 2019**

Elizabeth DePoy, a professor of social work and interdisciplinary disability studies at the University of Maine, was featured in the “Ask the Experts” section of the [WalletHub](#) study, “2019’s Best & Worst Cities for People with Disabilities.” “[Financial] challenges are diverse but for me are linked to discrimination, institutional practices, and paternalisms, perhaps unintended by many. Examples include essentialism in assuming that disability is diagnostic and is linked to finances,” said DePoy. She said historically, many local policies and programs have proven effective in increasing inclusion and improving quality of life for people with disabilities, but “currently, population specific policies segregate and assume that this group even exists and that there are similarities among its members.”

#### **Maine Public speaks with Jemison for article on hemp industry**

**10 Oct 2019**

[Maine Public](#) spoke with John Jemison, University of Maine Cooperative Extension professor, for the report “Farmers, Researchers Look to Grow Maine’s Fledgling Hemp Industry.” Generations of Americans grew hemp on large scales dating back to colonial times, but in more recent decades its production was restricted by federal regulations. Now that those regulations have changed, researchers like Jemison are trying to fill in the gaps of lost knowledge. “First of all, it’s very rare in an agronomic person’s career that you get a brand new crop that all of a sudden comes on the scene. That in itself is fascinating, right? It’s an unusual plant. We know some of what we need to know to grow it,” he said. But he added that not enough is known to be able to properly advise the growing hemp industry on best practices for soil, pest management, plant spacing and other aspects of farming. “I wish we could have put the horse before the cart and done all the legwork — really know what it was supposed to do — and then been able to teach farmers, ‘This is what you need to do to grow it,’” said Jemison. [Bangor Daily News](#) published the Maine Public report.

#### **UMaine Extension confirms presence of invasive Swede midge, media report**

**10 Oct 2019**

The [Bangor Daily News](#) spoke with David Fuller, agriculture and nontimber forest products professional with University of Maine Cooperative Extension, for a report about the invasive Swede midge, whose presence has been confirmed in Maine. The midge, which is native to Europe and southwest Asia, can damage cruciferous plants like cauliflower, cabbage and broccoli. “This is a new insect to the state. It can cause so much damage to crops it renders them unsellable,” said Fuller. “The adult female Swede midge lays her eggs in May on the upper growth points of a plant. Once hatched, the larvae eat those tips of leaves or tops of the plant and plants like broccoli don’t even have a chance to produce heads.” Since Maine experts do not yet have experience managing the pest, Fuller told the BDN they are advising people to consult the Swede Midge Information Center for the U.S. at Cornell University. “This winter will be spent studying the Swede midge. The learning curve will be fast and furious,” he said. [Maine Public](#) also interviewed Fuller, and the Associated Press and [Morning Ag Clips](#) reported on the discovery of the midge. [WGME](#) (Channel 13), [Centralmaine.com](#), [Fosters.com](#), [New Haven Register](#), [RFD-TV](#) and [Chicago Tribune](#) carried the AP report.

#### **WABI reports UMaine Athletics, Bangor Savings Bank announce partnership**

**10 Oct 2019**

[WABI](#) (Channel 5) reported University of Maine Athletics and Bangor Savings Bank announced a five-year partnership. A celebration was held at Bangor Savings Bank’s Hamlin Way location, and the bank is now the lead sponsor of UMaine sports, according to WABI. “I think there are lots of ways for students to be engaged with Bangor Savings Bank,” said Ken Ralph, director of UMaine Athletics. “I hope this is just the first step in a long partnership and engagement not just with the athletic department but with the university as a whole.”

#### **Medical Daily interviews Lyon about heat wave study**

**10 Oct 2019**

[Medical Daily](#) interviewed Bradfield Lyon, associate research professor with the UMaine Climate Change Institute and School of Earth and Climate Sciences, about his recent study on heat waves. The average spatial extent of summer heat waves in the United States could be up to 80% larger than today if greenhouse gas emissions continue unabated, according to the study. “As the physical size of these affected regions increases, more people will be exposed to heat stress,” said Lyon. “Larger heat waves would also increase electrical loads and peak energy demand on the grid as more people and businesses turn on air conditioning in response.” While previous research generally calculated heat wave statistics at the local level, this study followed heat waves and quantified their attributes as connected regions that migrate and change in size and strength over their lifetime, according to Medical Daily. “Heat wave size is another dimension of extreme heat that people don’t necessarily think of,” said Lyon. “It’s a different vantage point from which to view them and assess their impacts.” [Mainebiz](#), [The Science Times](#) and [India Today](#) also reported on the study.

#### **UMaine unveils largest 3D printer in world, AP reports**



10 Oct 2019

The Associated Press reported the University of Maine revealed the world's largest polymer 3D printer at the Advanced Structures and Composites Center on Oct. 10. The printer is so big it can produce objects up to 100 feet long. Thursday's event featured a 25-foot, 5,000-pound patrol boat that was printed at the ASCC, according to the report. Habib Dagher, founding executive director of the ASCC, said it's the largest 3D-printed boat as well as the largest 3D printer, and that Guinness World Records planned to attend the event to confirm the records. [U.S. News & World Report](#) and [The Washington Post](#) carried the AP article.

## UMaine Composites Center receives three Guinness World Records related to largest 3D printer

10 Oct 2019

More than 250 federal and state officials, business executives, University of Maine System leaders and community members were on hand to witness the UMaine Advanced Structures and Composites Center receive three Guinness World Records on Oct. 10 for the world's largest prototype polymer 3D printer, largest solid 3D-printed object, and largest 3D-printed boat. The event culminated with the world's largest 25-foot, 5,000-pound 3D-printed boat, named 3Dirigo, being tested in the Alford W<sup>2</sup> Ocean Engineering Laboratory, an offshore model testing facility equipped with a high-performance wind machine over a multidirectional wave basin. The ceremony was a milestone in UMaine's leadership in cutting-edge composite material research and development, and commitment to use Maine's vast natural resources to drive innovation that generates major economic development opportunities in the state and beyond. "I was delighted to join UMaine's celebration unveiling the world's largest 3D printer and largest 3D-printed object," said Sen. Susan Collins. "The future of the [UMaine] Composites Center is bright, thanks to the excellent working relationship between UMaine, Oak Ridge National Laboratory and many other federal agencies, which will support next-generation, large-scale additive manufacturing with biobased thermoplastics. As a senior member of the Senate Appropriations Committee, I helped secure \$20 million for this exciting collaboration, and an additional \$20 million is included in the committee-approved energy funding bill. By working together, UMaine and Oak Ridge will strengthen environmentally responsible advanced manufacturing throughout America, as well as the forest-products industry in Maine." "Maine is the most forested state in the nation, and now we have a 3D printer big enough to make use of this bountiful resource," said Sen. Angus King. "Today marks the latest innovative investment in Maine's forest economy, which will serve to increase sustainability, advance the future of biobased manufacturing and diversify our forest products industry. This is a huge opportunity for the state of Maine, and I'm grateful to everyone — especially the University of Maine and the FOR/Maine initiative — for their work to make this day a reality." "As we saw today, the University of Maine Composites Center does award-winning, cutting-edge research that makes Maine proud and will bring jobs to our state," said U.S. Rep. Jared Golden. "Their work, like the boat and 3D printer we're here to see, has impressive potential to change how we make things out of all sorts of materials — including Maine wood fiber. Today is about three Guinness World Records, but it's also about celebrating innovation that will help protect and create good-paying Maine jobs in forest products and manufacturing." The new 3D printer is designed to print objects as long as 100 feet by 22 feet wide by 10 feet high, and can print at 500 pounds per hour. The one-of-a-kind printer will support several ambitious initiatives, including development of biobased feedstocks using cellulose derived from wood resources, and rapid prototyping of civilian, defense and infrastructure applications. A \$20 million research collaboration with Oak Ridge National Laboratory (ORNL), the U.S. Department of Energy's largest science and energy laboratory, will support fundamental research in key technical areas in large-scale, biobased additive manufacturing. The partnership between UMaine and ORNL will advance efforts to produce new biobased materials conducive to 3D printing of large, structurally demanding systems. The research will focus on cellulose nanofiber (CNF) production, drying, functionalization and compounding with thermoplastics, building on UMaine's leadership in CNF technology and extrusion research. By placing CNF from wood into thermoplastics, bioderived recyclable material systems can be developed with properties that may rival traditional materials, possibly even metals. "This is an exciting achievement in our partnership with the University of Maine," said Moe Khaleel, associate laboratory director for Energy and Environmental Sciences at ORNL. "This new equipment will accelerate application and integration of our fundamental materials science, plant genomics and manufacturing research to the development of new sustainable bioderived composites, creating economic opportunity for Maine's forest products industry and the nation." Biobased feedstocks are recyclable and economical, providing competitive advantages for Maine's manufacturing industries, including boatbuilding. The UMaine Composites Center received \$500,000 from the Maine Technology Institute (MTI) to form a technology cluster to help Maine boatbuilders explore how large-scale 3D printing using economical, wood-filled plastics can provide the industry with a competitive advantage. The cluster brings together the expertise of UMaine researchers and marine industry leaders to further develop and commercialize 3D printing to benefit boatbuilders in the state. By 3D printing plastics with 50% wood, boat molds and parts can be produced much faster and are more economical than today's traditional methods. "With this remarkable feat, the University of Maine continues to demonstrate that it's a worldwide leader in catalyzing innovation, advancing new technologies and driving economic growth for our state," said Gov. Janet Mills. "On behalf of the people of Maine, I congratulate the university on this historic accomplishment." To demonstrate the new printer's capabilities, UMaine 3D printed a 25-foot patrol boat with a hull form developed by Navatek, a leader in ship design and a UMaine Composites Center industrial partner. The 5,000-pound boat was printed in 72 hours — from Thursday, Sept. 19 to Sunday, Sept. 22. The massive printer, with both additive and precise subtractive manufacturing capabilities, enables rapid prototyping for both defense and civilian applications. UMaine also showcased a 3D-printed, 12-foot-long U.S. Army communications shelter. The new printer will support programs with the U.S. Army Combat Capabilities Development Command (CCDC) Soldier Center and its mission to develop rapidly deployable shelter systems for soldiers. Other use areas include concealment applications, structural shelters and high-temperature fire retardant materials for vehicle-mounted shelters. "The innovation that we have witnessed here at the University of Maine will revolutionize how the Army prototypes and manufactures shelters, vehicles and other large systems," said Col. Frank Moore, military deputy for the CCDC Soldier Center. "The lighter yet stronger 3D printed systems will advance the state of the art in additive manufacturing, forging the future of expeditionary equipment IAW with the Army's new policy on advanced manufacturing." Working with the U.S. Army Corps of Engineers, the 3D printer will further advance UMaine's groundbreaking innovations in rapidly deployable, low-logistics infrastructure systems. That includes a 5,000-pound, 21-foot-long 3D-printed mold for a new 76-foot-long composites bridge girder. The girder has been licensed to a UMaine spinoff company, Advanced Infrastructure Technology, that is in the process of fabricating girders for a bridge to be constructed in Hampden, Maine in summer 2020. In addition, rapid production of stay-in-place concrete formwork is a potential solution for both infrastructure and coastal resiliency construction applications. "The U.S. Army Corps of Engineers Engineer Research and Development Center (ERDC) is proud of the accomplishments achieved in the long-standing collaboration with University of Maine in military engineering," said David Horner, director of the ERDC Information Technology Laboratory. "The large 3D printer capability will greatly support research in applications to both military engineering and national civil works infrastructure. This unique facility, along with applications of high-performance computing, will help advance the rapid-prototyping and additive manufacturing capability of DoD." Bartley Durst, director of the Geotechnical and Structural Laboratory at ERDC, noted "this capability to produce large, biobased prototypes through advanced high throughput additive manufacturing capabilities will provide critical technology development of solutions in force projection and force protection for our nation's war fighters." "We foresee that this capability will foster the development of on-demand force projection nodes, logistics over the shore solutions, as well as capabilities for response and recovery to natural disasters, globally," Durst said. "Additionally, this large 3D printing capability supports the development of rapid construction of transportation infrastructure emplacement, repair and rehabilitation for this critical need of our nation. The USACE ERDC looks forward to the continued, productive collaborative partnership with the UMaine." "This is a benchmark in the history of pioneering research of the Advanced Structures and Composites Center," says UMaine President Joan Ferrini-Mundy. "In keeping with the leadership expected of the state's public research university, ASCC has collaborated with partners statewide and nationwide to innovate and problem solve to advance economic and workforce development that makes a difference in Maine and beyond. This initiative aligns with the strategy of the University of Maine System Research and Development Plan to strengthen research and economic development efforts that support Maine industries, foster business formation and expansion, and mentor students working across disciplines on exciting, meaningful problems." "We are truly honored to be working with leaders from the Maine boatbuilding industry, Maine Forest Products Industry, the national construction industry, Maine Technology Institute, Oak Ridge National Laboratory, the U.S. Dept of Energy Advanced Manufacturing Office, the U.S. Office of Naval Research, the U.S. Army, and the U.S. Army Corps of Engineers," said Habib Dagher, executive director of UMaine's Advanced Structures and Composites Center. "With this large printer, we will be able to accelerate innovation and prototype development in both the civilian and military sectors. "This 3D printer is an outgrowth of research we have been doing for 15 years in combining cellulosic nano and micro fibers with thermoplastic materials," Dagher said. "Our goal is to print with 50% wood products at 500 pounds per hour, and achieve properties similar to aluminum. We thank our congressional delegation for their support." Attending the Oct. 10 ceremony were U.S. Sens. Susan Collins and Angus King, U.S. Rep. Jared Golden, officials from the Maine Governor's Office, and leaders at the U.S. Army Combat Capabilities Development Command Soldier Center, U.S. Army Corps of Engineers, U.S. Department of Energy Advanced Manufacturing Office, Oak Ridge National Laboratory, the University of Maine and University of Maine System. Earlier this year, Collins and King joined leaders from the U.S. Department of Energy, UMaine, and Oak Ridge National Lab in Washington, D.C., [to announce the launch](#) of the \$20 million large-scale biobased additive manufacturing program that will use the 3D printer. The work of the Economic Development Assessment Team (EDAT), created by Collins and King in 2016 to create strategies for job growth and economic development in Maine's forest economy, led directly to the partnership between UMaine and ORNL.

## 21st annual Engineering Job Fair to be held Oct. 16

11 Oct 2019

More than 165 companies and organizations are expected to be represented at the University of Maine's 2019 Engineering Job Fair on Oct. 16. The 21st annual event, which is expected to attract more than 1,000 students, will be held 10 a.m.–3 p.m. at the New Balance Student Recreation Center. Co-sponsored by the UMaine College of Engineering and Career Center, the fair is an opportunity for students to learn about some of the engineering firms in Maine, New England and throughout the country; meet company representatives; and possibly find a job after graduation or on-the-job experience through a co-op or internship. Seventy-three percent of the companies are looking for summer interns. Students are advised to bring resumes and their MaineCard, prepare a 30-second introductory pitch, and research the companies they plan to speak with before attending. More career fair tips are [online](#). In addition to the fair, many employers will remain on campus Oct. 17 to interview students. Twenty interview sessions are reserved for the day, which totals a potential of 300 student interviews. Those attending the event are encouraged to download the "Simplicity Jobs and Careers" mobile app for a fair map, links to employer websites and live updates. This year marks the largest number of represented companies at the fair, which has grown from 12 during its inaugural event. More information, including a [list](#) of the companies scheduled to attend, is on the Career Center [website](#).

## Traffic alert reminder: Section of Stillwater Avenue closed Oct. 13–18

11 Oct 2019

Stillwater Avenue between Bennoch Road and College Avenue will be closed Oct. 13–18 for sewer line replacement. UMaine community members need to plan accordingly and seek alternative routes. No through traffic will be allowed in the construction zone; local traffic will be permitted as far as Free Street.

## Ice core source discovery adds to global record of volcanism, Phys.org reports

11 Oct 2019

[Phys.org](#) published a University of Maine news release about a discovery by researchers that challenges the established volcanic source of particles found in an ice core from the South Pole. Using a method of extracting volcanic ash particles from ice core samples to measure their geochemical composition, Laura Hartman, a graduate student at the CCI, examined microscopic volcanic ash particles in ice core samples from Antarctica's South Pole. She found several particles from a volcanic interval that in the last three decades was attributed to a volcanic eruption from the Kuwae volcanic center in Vanuatu and determined the composition was similar to volcanic products from the South American volcano Reclus, not Kuwae. "The discovery challenges the established volcanic source for one of the largest ice core sulfate signals from the last millennium," said Andrei Kurbatov, associate professor in the School of Earth and Climate Sciences and Climate Change Institute. "The new source location will impact how climate models calculate atmospheric loading and ultimately will guide how climate models determine the impact of this volcanic event on the climate system."

#### **Center on Aging awarded grant for research on volunteer participation, WABI reports**

**11 Oct 2019**

[WABI](#) (Channel 5) reported the University of Maine Center on Aging has received a \$147,000 award from the Corporation for National and Community Service to build on previous research on volunteer participation among older adults. Researchers are trying to determine ways to free up or help older adults as they juggle work, care for their families and help their communities, WABI reported.

#### **Lyon quoted in Press Herald article on threatened bird species in Maine**

**11 Oct 2019**

Bradfield Lyon, associate research professor with the University of Maine Climate Change Institute and School of Earth and Climate Sciences, spoke with the [Portland Press Herald](#) for the article, "Maine could lose loons and other bird species by end of century, Audubon reports." Scientists with the National Audubon Society used data gathered by biologists and birders across North America to create various models showing the effects climate change could have on birds in the next 80 years. In the report's best-case scenario, which relies on efforts to mitigate climate change, just over a third of 187 bird species in Maine would become threatened. In the worst case, in which nothing is done, that number would double, according to the article. Lyon said it's conceivable that by 2100 the average global temperature will increase 3 degrees Celsius, or 5.4 Fahrenheit — the figure on which the Audubon report's worst-case scenario is based. The best-case scenario assumes an increase of 1.5 degrees Celsius, which Audubon scientists say could happen as early as 2050 if carbon emissions are not reduced, the Press Herald reported. "Based on the trajectory at the moment in terms of emissions, that's very reasonable to think," Lyon said. "We expect the global average to be somewhere between a 1.5- and a 4.5-degree increase by the end of the century."

#### **Franklin Journal reports on UMaine Extension's 100th anniversary in Franklin County**

**11 Oct 2019**

[The Franklin Journal](#) reported the University of Maine Cooperative Extension in Franklin County is celebrating 100 years of service to local people through outreach, education and research. When Franklin County Extension was established in 1919, the focus was achieved through 4-H clubs, home economics groups and agricultural services. Over the last 100 years, the programs have changed, but the focus remains the same, according to the article. "Youth development is still a big part of what we do," said David Fuller, agriculture and nontimber forest products professional with UMaine Extension. "Before 4-H, there were corn clubs for boys and tomato clubs for girls. The clubs became popular during World War I as part of the war effort to teach about producing and preserving food." There are currently about 110 children enrolled in one of 12 county 4-H clubs or working independently, said Tara Marble, 4-H youth development professional. "Most people think you have to have animals to be in 4-H," Marble said. "There is a club for whatever interest a kid has." Those interests include robotics, music and STEM, and all clubs work on core lessons such as citizenship and public speaking, Marble said.

#### **Media cover event showcasing world's largest 3D printer, 3D-printed boat**

**11 Oct 2019**

[The Associated Press](#), [Maine Public](#), [News Center Maine](#), [Bangor Daily News](#), [Portland Press Herald](#), [WABI](#) (Channel 5), [WVII](#) (Channel 7), [WAGM](#) (Channel 8 in Presque Isle), [HotHardware](#), [Q-106.5](#), and [I-95](#) (95.7 FM) reported on the University of Maine's unveiling of the world's largest 3D printer and largest 3D-printed object. More than 250 federal and state officials, business executives, University of Maine System leaders and community members were on hand to witness the UMaine Advanced Structures and Composites Center receive three Guinness World Records for the world's largest prototype polymer 3D printer, largest solid 3D-printed object, and largest 3D-printed boat. The boat, called the 3Dirigo, is 25 feet long, weighs 5,000 pounds and was printed in 72 hours, media reported. "This new printer is going to allow us to innovate so much faster by having prototypes made faster than in the past," Habib Dagher, executive director of the UMaine Composites Center, told the AP. U.S. Sens. Susan Collins and Angus King attended the event. "I was delighted to join UMaine's celebration unveiling the world's largest 3D printer and largest 3D-printed object," Collins said in a [press release](#). "The future of the [UMaine] Composites Center is bright, thanks to the excellent working relationship between UMaine, Oak Ridge National Laboratory and many other federal agencies, which will support next-generation, large-scale additive manufacturing with biobased thermoplastics." Collins added that by working together, UMaine and Oak Ridge will strengthen environmentally responsible advanced manufacturing throughout the country, as well as Maine's forest-products industry. "Maine is the most forested state in the nation, and now we have a 3D printer big enough to make use of this bountiful resource," King said. [Boston Herald](#), [The Washington Post](#), [Miami Herald](#) and [Military News](#) carried the AP report, and [Sun Journal](#) published the Press Herald article [WMTW](#), [Mainebiz](#), [Maine Boats](#), [Homes & Harbors](#), [US Harbors](#), [rrstar.com](#), [3D Printing Industry](#), [Biofuels Digest](#), [Nerdist](#), [Ubergizmo](#), [CompositesWorld](#), [Scuttlebutt Sailing News](#), [The Maritime Executive](#), [The Maine Edge](#), [The Additive Report](#), [MobyGeek.com](#), [Composites Manufacturing Magazine](#) and [SuperyachtNews.com](#) also reported on the world's largest 3D printer and the 3D-printed boat, which is the largest printed object in the world. The Association of Public & Land-Grant Universities included the news release in the "Members in the Spotlight" section of its [homepage](#). [VillageSoup](#) also mentioned the technology in a report about Front Street Shipyard working with Navatek LLC on an advanced planing hull for the U.S. Navy Office of Naval Research. Navatek, which worked with UMaine on the 3D-printed boat, plans to continue to use the 3D printer for boat molds, the article states. [Mashable](#), which features "innovations that will change our everyday lives in the future," posted a video of the 3D boat being printed and the unveiling of the boat. And [Army Technology](#) wrote that UMaine's "new 3D printing capability will enable the rapid production of products and prototypes for the US Army."

#### **UMaine to conduct annual emergency communications system test Oct. 21**

**15 Oct 2019**

The University of Maine will conduct its annual emergency communications system test on Monday, Oct. 21, complete with three outdoor sirens sounding for several minutes. The sirens are part of UMaine's multifaceted emergency communications system established in 2007 that allows university safety and communications professionals to use several mechanisms to quickly communicate vital information to the community during emergency situations. When UMaine's emergency communication system is activated, several notifications occur: A text message is sent to subscribers of UMaine's [umaine.alerts](#) system; UMaine PD sounds the sirens; information is posted on the university's [homepage](#) and the UMaine portal; and a recorded telephone message may be heard by dialing 581.INFO. Members of the University of Maine community are reminded to register to receive UMaine's emergency notifications. The emergency notification service alerts the UMaine community to public safety issues, including inclement weather conditions causing class cancellations. Those registered for UMaine alerts will receive a message about the emergency notification system on Oct. 21, as well as on the 15th of every month. Registration for texts and/or email alerts may be done [online](#).

#### **Learn to raise, process, prepare poultry in UMaine Extension workshop**

**15 Oct 2019**

University of Maine Cooperative Extension will present a hands-on workshop about raising, processing and preparing poultry 8–11 a.m. Oct. 17 at UMaine's Pilot Plant and Commercial Kitchen in Hitchner Hall. "Poultry 101" explores how to prepare a whole chicken in a variety of market cuts, basic cooking theory for poultry and stock, and how to raise meat chickens. Each participant will process one whole chicken to take home. Instructors are Colt Knight, UMaine Extension livestock specialist and assistant professor; and Robert Dumas, UMaine food science innovation coordinator, facility manager for the School of Food and Agriculture, and certified executive chef. The \$35 per person fee includes lunch; [online](#) registration is required. The optional text, "Butchering Poultry, Rabbit, Lamb, Goat and Pork" by Adam Danforth, can be purchased from [UMaine Extension Publications](#). For more information or to request a reasonable accommodation, contact Melissa Babcock, 581.2788, [melissa.libby1@maine.edu](mailto:melissa.libby1@maine.edu). More information also is [online](#). This is one in a series of planned UMaine Extension "Meat Science" workshops. The next in the series, "Barbeque 101," is scheduled for Nov. 7.

#### **Cohen Institute, SPIA to host conference about North Korea**

**15 Oct 2019**

The Cohen Institute for Leadership and Public Service and the School of Policy and International Affairs will host the second biennial conference, "Can We Live with a Nuclear North Korea?" at the University of Maine on Oct. 17 and 18. The conference in the McIntire Room of Buchanan Alumni House will explore the implications of North Korea's acquisition of nuclear weapons and the challenges and opportunities arising from the altered security environment. All members of the UMaine community and the interested public are welcome to attend. Thursday, the conference will begin with an introduction by Emily Haddad, dean of the College of Liberal Arts and Sciences at UMaine. A keynote presentation titled "Problems and Prospects of a Nuclear Deal with North Korea" by

Ambassador Chris Hill, now a professor at the University of Denver, will follow 5–6:30 p.m. with moderator Kristin Vekasi, assistant professor of political science at UMaine. Hill headed the U.S. delegation for the six-party talks during the George W. Bush administration. The goal was to halt North Korea's nuclear program. The event continues Friday with three panels featuring invited speakers. Sessions are "Great power politics and the Korean peninsula," presented by Ambassador Kathleen Stephens of the Korean Economic Institute, and moderated by Hill, 8:30–9:30 a.m.; "North Korea's nuclear program and neighborhood politics," presented by Sheila Smith of the Council of Foreign Relations, and moderated by Jiyoung Ko of Bates College, 9:45–10:45 a.m.; and "North Korea's nuclear program and implications for the international non-proliferation regime," presented by Jung Pak of the Brookings Institute, and moderated by Asif Nawaz, assistant professor of history and international affairs at UMaine, 11 a.m. to noon. Registration is not required. For more information, contact Kristin Vekasi at [kristin.vekasi@maine.edu](mailto:kristin.vekasi@maine.edu). More information also is [online](#).

#### **Wabanaki artists to showcase baskets, birchbark and multimedia pieces at Hudson Museum**

**15 Oct 2019**

Four Wabanaki Artist Showcases will be held this fall in the Maine Indian Gallery of the Hudson Museum at the University of Maine. Frances Soctomah, a Passamaquoddy basketmaker, will be the featured artist 2–3:30 p.m. Wednesday, Oct. 16. In November, Penobscot Butch Phillips will share his birchbark art 2–3:30 p.m. Wednesday, Nov. 6. Penobscot James Francis will present his multimedia art 2-3:30 p.m. Wednesday, Nov. 20. Molly Neptune Parker, a Passamaquoddy basketmaker, will be the featured artist 2–3:30 p.m. Wednesday, Dec. 4. She is a 2012 National Endowment for the Arts National Heritage Fellow. The artists will demonstrate their crafts, discuss threats to these ancient traditions and talk about how they're taking the artforms in new directions. A grant from the Maine Community Foundation's Belvedere Traditional Handcrafts Fund supports the free, public showcases. As part of the series, each artist will create a work of art to be added to the museum's collection. Gretchen Faulkner, Hudson Museum director, says the pieces will fill important gaps in the museum's collection. For more information, call 581.1904. To request a reasonable accommodation, call 581.1226.

#### **WABI previews Oct. 16 Engineering Job Fair**

**15 Oct 2019**

[WABI](#) (Channel 5) advanced the Career Center's 21st [Engineering Job Fair](#) from 10 a.m. to 3 p.m. Wednesday, Oct. 16 in the New Balance Student Recreation Center. A total of 168 firms are expected to be represented.

#### **Penobscot Bay Press advances Duffy's Maine Coast Photovoice Project**

**15 Oct 2019**

[Penobscot Bay Press](#) advanced University of Maine graduate student Kevin Duffy's Maine Coast Photovoice Project workshop Oct. 13 and 21. The collaborative, community-based workshop will introduce residents to photo-based storytelling. It's designed to document development and change along the Bagaduce River estuary through photographs. Residents in the Brooksville and Castine areas interested in joining the research effort or learning more can visit the project [website](#).

#### **WABI covers World Languages Day celebration at UMaine**

**15 Oct 2019**

[WABI](#) (Channel 5) reported on World Languages Day celebrated Oct. 11 at the University of Maine. Students from Bangor and Orono high schools attended the annual French and Spanish immersion event hosted by UMaine's Department of Modern Languages and Classics in collaboration with the Foreign Language Association of Maine (FLAME). Students participated in a culture bowl, spelling bee, skits, games, music and dance.

#### **Public News Service promotes Sayet's 'Indigenous Shakespeares' talk**

**15 Oct 2019**

The [Public News Service](#) advanced [Madeline Sayet](#)'s Oct. 17 "Indigenous Shakespeares" free, public talk at 4:30 p.m. in the Fernald APPE space in the Innovative Media Research and Commercialization (IMRC) Center. Sayet, executive director of the Yale Indigenous Performing Arts Program and a Libra Visiting Diversity Professor at the University of Maine, will discuss why many Native American theater artists are embracing Shakespeare. "At the Indian boarding schools, Shakespeare was taught. So there's a kind of historical-like relevance and also defiance that comes with the relationship," Sayet said in the article. "In many instances, the reason we have Shakespeare is because we were forced to give up our own languages." In the last 10–15 years, Sayet said Native artists have used Shakespeare as a tool to reclaim their voices. Sayet also is developing a play with Penobscot playwright Maulian Dana based on the true story of Molly Spotted Elk from the Penobscot Nation. In the 1930s and early 1940s, Spotted Elk was a prominent dancer in Paris. She ended up fleeing France during World War II. "People are really attracted to both the idea that vaudeville is naturally a part of the world, and the cabaret Paris dance scene of that time period is an incredibly compelling imagistic time, but also of this Native woman in this time period doing these things that no one would assume that anyone did," Sayet said in the article. [The Mountain Dispatch](#) in Tennessee ran the Public News Service article.

#### **Highmoor Farm reschedules harvest sale to Oct. 21**

**16 Oct 2019**

Due to forecasts of rain and gusty winds, the University of Maine Highmoor Farm Fall Harvest Sale has been postponed from Oct. 17 to Oct. 21 on campus. Several varieties of apples and pumpkins grown at the farm in Monmouth will be for sale from 10 a.m. to 3 p.m. Monday, Oct. 21, adjacent to Al Cyrus Pavilion Theatre, between Winslow Hall and Fogler Library.

#### **School of Performing Arts spreads 'Rumors' beginning Oct. 18**

**16 Oct 2019**

The University of Maine's School of Performing Arts brings Neil Simon's "Rumors" to the Al Cyrus Pavilion Theatre beginning Friday, Oct. 18. The show is the first mainstage production of the SPA 2019–20 season, and will run for seven performances: 7:30 p.m. Oct. 18–19 and Oct. 25–26, 2 p.m. Oct. 20 and 27, and 10 a.m. Oct. 24. At a large, tastefully appointed Sneden's Landing townhouse, Charley Brock, the deputy mayor of New York City, has just shot himself. His wife, Myra, is nowhere in sight. Though only a flesh wound, four couples who are guests at a celebration of the Brocks' 10th wedding anniversary are about to experience a severe attack of farce. Charlie's lawyer, Ken, and his wife, Chris, must get "the story" straight before the other guests arrive. As the confusions and miscommunications mount, the evening spins off into classic farcical hilarity. Julie Arnold Lisnet, lecturer of theatre at UMaine and founding member of Ten Bucks Theatre Co., directs the show. Her recent credits include directing "The Curious Savage" for the School of Performing Arts 2018–19 season and "The Elephant Man" for Ten Bucks Theatre, and playing Queen Elizabeth in TBT's summer Shakespeare production of "Richard III." Tickets are \$10 and available [online](#) or by calling the box office, 581.1755. Admission is free for students with a valid MaineCard. To request a reasonable accommodation, contact Birdie Sawyer, 581.2584, [fredrick.sawyer@maine.edu](mailto:fredrick.sawyer@maine.edu). The show is co-sponsored by the School of Performing Arts and the Cultural Affairs/Distinguished Lecture Series.

#### **Winter Session registration opens Oct. 28**

**16 Oct 2019**

Registration begins Oct. 28 for University of Maine's Winter Session that runs Dec. 27, 2019 through Jan. 16, 2020. The more than 40 online courses include several general education requirements, as well as some upper-level courses. Winter Session courses are intensive in nature, with students earning three credits in three weeks. For more information, including a list of courses and how to register, visit the Winter Session [website](#).

#### **Morning Ag Clips advances 'Recipe to Market' workshops**

**16 Oct 2019**

[Morning Ag Clips](#) posted a University of Maine Cooperative Extension news release about five of its half-day "Recipe to Market" workshops for food entrepreneurs. Workshop topics to be covered in Bangor, Ellsworth, Lisbon Falls and Falmouth include food entrepreneurship in the specialty food industry, business basics, an overview of the product development process, licensing and regulations, and food safety. For more information, contact 781.6099; [ksavoie@maine.edu](mailto:ksavoie@maine.edu).

## Advertiser Democrat highlights food training workshop in South Paris

16 Oct 2019

The [Advertiser Democrat](#) posted a University of Maine Cooperative Extension media release about the “Cooking for Crowds” food safety training for volunteers Oct. 21 in South Paris. The training offers up-to-date information on how to handle, transport, store and prepare foods safely for large group functions, including at soup kitchens, church suppers, food pantries and community fundraisers. For more information, call 743.6329, 800.287.1482.

## WABI, News Center Maine cover Expanding Your Horizons

16 Oct 2019

[WABI](#) (Channel 5) and [News Center Maine](#) reported that about 350 area middle school girls attended the “Expanding Your Horizons” conference at the University of Maine. The annual event, sponsored by the University of Maine Cooperative Extension, is dedicated to inspiring girls to recognize their potential and pursue opportunities in science, technology, engineering and math. Girls attended workshops and presentations and took part in hands-on STEM activities led by UMaine scientists and other mentors. “We still know that girls don’t go into some STEM fields, some of the engineering fields, some of the technology fields as much as boys do,” Laura Wilson, a 4-H science professional, told WABI. “We’re getting better at that, and we’re working on that in multiple ways. One of the ways is to just get girls comfortable, get them interested and get them comfortable and show them that women are doing really amazing things in science and technology.”

## Steneck: Local conservation enables Caribbean reef to recover after hurricane, coral bleaching

16 Oct 2019

Even with ocean warming, coral bleaching and an intense hurricane, local conservation actions helped a Caribbean coral reef ecosystem rebound in about a decade. Bob Steneck began studying coral reefs off the island of Bonaire, near Venezuela in the Dutch Caribbean in 2002. And for more than 15 years, the University of Maine professor of marine sciences and a team of UMaine graduate students regularly monitored the live coral, algae, reef fishes and juvenile corals at multiple locations. Their goal was to document trends of key ecosystem drivers. Steneck says the long-term case study shows that management at the local level can improve conditions for regrowth and for the establishment of juvenile corals, thereby enhancing the recovery resilience of these endangered ecosystems. Today, Bonaire’s coral reefs have more parrotfish, less macroalgae and higher coral cover than most others in the Caribbean. But that wasn’t the case a little more than 10 years ago. Beginning in 2008 with Hurricane Omar, followed by a coral bleaching event in 2010, and a slight decline in the number of parrotfish due to fishing, the reef was in trouble. The reef had a 22% decline in coral cover and a threefold increase in macroalgal cover. Juvenile coral densities declined to about half of their previous abundance, says Steneck. But after fishing for parrotfish was banned in 2010, its population soon stabilized. Since parrotfish eat harmful algae, conditions improved for population density of juvenile corals and the survival and growth of adult corals. As a result, overall coral cover returned to pre-hurricane and bleaching levels. Steneck says he believes this is the first example of a resilient Caribbean coral reef ecosystem that fully recovered from severe climate-related mortality events. “It’s impossible to climate-proof a coral reef but with improved management the rate of recovery can be markedly shortened,” he says. “This is what we call ‘recovery resilience.’” A key takeaway, says Steneck, is that the tourists who flock to Bonaire should continue to pay a diving user fee to explore the reefs. It’s a good business model to sustain financing for the island’s marine conservation. Bonaire’s relatively vibrant tourism-driven economy means fewer people there depend on catching coral reef fishes for food, which helps the coral reef ecosystem. While complete recovery of the reef occurred 8–10 years after the climate-driven disturbances, Steneck says the frequency of coral bleaching events and the frequency (and size and strength) of hurricane events have increased. Prior to Hurricane Lenny in 1999, the last major hurricane to hit Bonaire was in 1877. But Hurricane Omar struck in 2008, just nine years after Lenny. So while the relatively short-term recovery of the Bonaire coral reefs is promising, Steneck says even the best-managed reefs may not be able to recover in a world growing increasingly hostile to these endangered ecosystems. Read more about the study in [“Managing Recovery Resilience in Coral Reefs Against Climate-Induced Bleaching and Hurricanes: A 15 Year Case Study from Bonaire, Dutch Caribbean”](#) published in *Frontiers in Marine Science*. Co-authors are Suzanne Arnold of the Island Institute in Rockland, Robert Boenish of the Environmental Defense Fund in Boston, Ramón de León of Reef Support BV of Bonaire, Netherlands, Peter Mumby of the University of Queensland in Australia, Douglas Rasher of Bigelow Laboratory for Ocean Sciences in Boothbay Harbor, and Margaret Wilson of the University of California, Santa Barbara. The Pew Fellows for Marine Conservation first funded the research, which was later supported by Stichting Nationale Parken Bonaire, a nongovernmental, not-for-profit foundation commissioned by the island’s government to manage the Bonaire National Marine Park and the Washington Slagbaai National Park. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## AMC awarded \$2.5M to upgrade equipment, accelerate additive metal manufacturing

16 Oct 2019

The Advanced Manufacturing Center at the University of Maine has been awarded two grants totaling \$2.5 million to upgrade its equipment and accelerate the adoption of additive metal manufacturing in the state. The Maine Manufacturing Extension Partnership (Maine MEP) received a \$1 million National Institute of Standards and Technology (NIST) Manufacturing Extension Partnership (MEP) Competitive Awards Program grant to support and enhance the AMC’s Center for Additive Manufacturing of Metals. The AMC also was awarded \$1.5 million for equipment upgrades to better meet the needs of industry partners and the state’s workforce. The improvements will enable the center to build resilience into the state’s manufacturing businesses by providing access to new technology, as well as innovative technical assistance. The funding includes a \$750,000 investment from the U.S. Economic Development Administration (EDA). Matching funds come from UMaine’s Office of the Vice President for Research and College of Engineering, as well as the Maine Technology Institute (MTI). The purchase and installation of state-of-the-art additive and subtractive manufacturing equipment will give the AMC the capabilities current manufacturing R&D demands while increasing efficiency, according to John Belding, AMC director. “Learning on the latest technology is critical to our students and industry workforce development; if we can assist companies to adopt the latest technology without risk, it will be a huge win for the entire state of Maine,” he says. The new equipment will be unique to the state and publicly available to entrepreneurs, businesses and their employees, Belding says, adding the technology will likely attract out-of-state companies, as well. The upgrades include a Desktop Metal FDM additive metal machine with testing equipment, 5-axis machining center, hybrid metal additive cell, wire EDM (electrical discharge machining), and 4-axis lathe with live tooling. The project team will focus on incorporating new technology into current projects as well as more broadly communicating the capabilities of emerging additive metal technology in a variety of manufacturing types, including timber harvesting and processing, food and beverage manufacturing, and medical and aerospace. “This EDA investment will help obtain vital supplies needed to serve Maine’s manufacturing industry and accommodate its future growth,” U.S. Assistant Secretary of Commerce for Economic Development John Fleming said in an EDA [news release](#). Funding from MTI was used as a partial match to develop the Center for Additive Manufacturing of Metals (CAMP), which offers additive metal manufacturing services and training to businesses. The center focuses on the process of fusing small metal particles together through 3D printing to form solid metal objects. The collaboration between Maine MEP and AMC aims to accelerate the adoption of additive metal manufacturing in the state. “Additive metal manufacturing represents an epochal shift in manufacturing technology on par with the advent of multi-axis machining in the 1980s,” says Larry Robinson, president of the Maine MEP. “This grant will train the next generation of designers and engineers on how to effectively utilize this new technology.” The adoption of game-changing technology such as additive metals manufacturing represents the classic chicken-or-the-egg dilemma, according to Robinson. “In order for the technology to become widely adopted, there has to be a nascent infrastructure to scale from,” he says, adding the grant is designed to facilitate wide adoption of the emerging technology. To develop state and regional capacity in the area of additive manufacturing, the project aims to build upon and enhance CAMP by funding additional measurement and laser manufacturing equipment at the AMC. The initiative, which aligns with the University of Maine System [“Research and Development Plan,”](#) also aims to complete more than 30 industry projects and educate 150 companies about additive manufacturing within the three-year period; develop outreach materials and host knowledge-sharing events; engage the NIST MEP National Network, specifically the five additional centers in New England; and contribute to the sustainable development of additive manufacturing capacity in Maine. “This award will allow the AMC and Maine MEP to keep current with the ever-expanding technology and training needs of manufacturers in the state,” Belding says. Maine MEP is a public-private partnership and an affiliate NIST under the U.S. Department of Commerce. It facilitates economic development in Maine by delivering technical services and workforce training solutions to Maine’s small manufacturers. As part of the College of Engineering, AMC links UMaine’s education and research with the university’s active industrial support and economic development programs. The center is readily accessible to businesses, entrepreneurs and researchers in Maine and throughout the country. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

## Winski: 54,000-year-old South Pole ice core will reveal past wind patterns, climate

16 Oct 2019

Dominic Winski helped secure the deepest and oldest ice core at the South Pole in order to understand past variations in the Earth’s climate. The oldest ice in the 5,745-foot-long (more than a mile deep) core is 54,302 years old, plus or minus 519 years, says the research assistant professor at the University of Maine Climate Change Institute. Over two field seasons (2014–15 and 2015–16), Winski and a team that included researchers at 17 other institutions took part in the project called [SPICEcore](#) (South Pole Ice) core. The goal, says Winski, is to get a detailed archive of climate conditions in East Antarctica during the last 54,000 years, including changes in atmospheric chemistry, climate and biogeochemistry. “Studying how climate has changed in the past is incredibly important. Through projects like SPICEcore, we are able to learn more about how the climate system works,” he says. “This knowledge helps us understand the changes occurring today, which has real consequences for many people around the world.” Through analysis, the team identified 251 volcanic eruptions (that also are found in other ice cores), which resulted in one of the most precisely dated interior East Antarctic records. The team now is interpreting past changes in salt and dust in the core. “These measurements will tell us how oceans, wind patterns and Antarctic climate changed in the past,” says Winski, who grew up in Trescott, Maine. To understand information contained within an ice core, Winski says it’s important to know the age of the ice at every specific depth. On average, he says 7.4 centimeters of snow falls annually at the South Pole. “UMaine researchers are playing a vital role in the largest U.S. ice core project that is currently running,” says Winski, who earned his bachelor’s and doctorate at Dartmouth College and his master’s at UMaine. “The results of this paper will provide a framework for exciting future research using the South Pole ice core.” Karl Kreutz, a professor in the UMaine School of Earth and Climate Sciences and the CCI, also is part of the team. In addition to Kreutz, researchers from the University of Washington; Dartmouth College; Northern Arizona University; South Dakota State University; Butte College; Oregon State University; University of California, San Diego; Pennsylvania State University; University of Colorado; University of California, Irvine; NASA Goddard Space Flight Center; U.S. Geological Survey; New Mexico Institute of Mining and Technology; University of California, Berkeley; University of New Hampshire; University of Bern; and the Desert Research Institute took part. [“The SPI9 chronology for the South Pole Ice Core — Part I: volcanic matching and annual layer counting”](#) is the title of the open-access paper in *Climate of the Past*, an interactive open-access journal of the European Geosciences Union. The National Science Foundation, Office of Polar Programs, supported the research. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)



## Virginia Hugo-Vidal: International affairs, political science student studies in Kosovo

16 Oct 2019

Virginia Hugo-Vidal had the opportunity this summer to study abroad in Kosovo through the Rochester Institute of Technology's Kosovo Peace and Conflict Summer Program. The sophomore international affairs and political science double major, of Buxton, Maine, spent a month in Kosovo, taking classes and attending seminars on topics like the Balkan Wars of the 1990s, United Nations peacekeeping missions and international humanitarian aid missions. "The whole program was memorable. It started with a week-long tour around the former Yugoslavia in order to get context for our studies," says Hugo-Vidal. "Visiting places that I had only read about, particularly Srebrenica and Sarajevo, and meeting people who survived atrocities I had studied was deeply emotional and moving." She says other memorable moments included getting lost on the Croatian bus system, being stranded on the side of the Serbian highway when the bus broke down, and being taught by professors who were involved in Kosovo during and immediately after the conflicts of the '90s. "Notably, one of my professors was Len Hawley, who wrote UN Security Council Resolution 1244, which created Kosovo as it exists today and was a landmark resolution in the exercise of UN Security Council power," she says. "I have been interested in politics since my childhood, when my whole family would watch the State of the Union every year and then my father would have me debrief it to him to make sure I understood it," says Hugo-Vidal, who also is in the Honors College. "International affairs is the broadest possible scope of this interest and therefore allows me to help the most people." At UMaine, she says, "I adore being able to get a spectacular education while still being able to give back to my beloved state of Maine. Plus the hockey games are super fun." Hugo-Vidal also is involved with the sorority Tri Delta, and enjoys the classic college pastimes of Netflix, naps and eating pasta at York Dining. For other students interested in studying abroad, Hugo-Vidal recommends they apply for the Benjamin A. Gilman International Scholarship, which helped fund her experience in Kosovo and is available for summer, semester and full year programs. Contact: Cleo Barker, 207.581.3729

## Undergraduate research training session offered Nov. 13

17 Oct 2019

The University of Maine Office of Research Compliance will hold a Responsible Conduct of Research training 5–8:30 p.m. Nov. 13 in Hill Auditorium, Engineering Science Research Building. The session is for undergraduate students participating in research sponsored by the National Science Foundation (NSF), National Institutes of Health (NIH) and/or the U.S. Department of Agriculture—National Institute of Food and Agriculture (USDA-NIFA). More information and a registration link are [online](#). Registration is required by Nov. 6.

## LaFleur to discuss natural history of sexuality in North America at Geddes W. Simpson Lecture

17 Oct 2019

Greta LaFleur, associate professor of American studies at Yale University, will talk about the natural history of sexuality in North America for the 2019 Geddes W. Simpson Lecture on Oct. 22 at the University of Maine. The free public lecture begins at 3 p.m. in the McIntire Room in Buchanan Alumni House. For more information or to request a reasonable accommodation, call 207.581.2774. LaFleur's research and teaching focus on early North American literacy and cultural studies, the histories of science, race and sexuality. She is the author of "The Natural History of Sexuality in Early America" and co-editor of a special issue of "American Quarterly," focused on the origins of biopolitics in the Americas. In the Simpson Lecture, LaFleur will explore how 18th-century natural history — the study of organic life in its environment — actually provided the intellectual foundations for the later development of the scientific study of sex, or sexology. The Geddes W. Simpson Lecture Series features speakers of prominence who provide significant insight on the intersection of science and history. In 2001, Simpson's family established the Geddes W. Simpson Lecture Fund at the University of Maine Foundation. Simpson was a well-respected faculty member whose 55-year career in the College of Life Sciences and the Maine Agricultural Experiment Station began in 1931. He chaired the Entomology Department from 1954 until his retirement in 1974.

## Six doctoral students selected for health-related research fellowships

17 Oct 2019

Six doctoral students in the University of Maine [Graduate School of Biomedical Science and Engineering](#) make up the first cohort supported by a \$1.07 million National Institutes of Health's Institutional Research Training Grant (T32). Awardees receive fellowships that include a stipend, tuition, university fees, health insurance coverage, as well as an allowance for travel and other training-related expenses. Eligible students submitted proposals, which were reviewed for overall impact, significance, innovation, approach and transdisciplinary nature. The cohort includes: Nicklaus Carter, whose mentor is David Neivandt of UMaine; Sarah Holbrook, whose mentor is Greg Cox of The Jackson Laboratory; Connor S. Murphy, whose mentor is Michaela Reagan of Maine Medical Center Research Institute; George C. Murray, whose mentor is Robert Burgess of The Jackson Laboratory; Jesse Rochester, whose mentor is Dustin Updike of MDI Biological Laboratory; and Katie Stieber, whose mentor is Lucy Liaw of Maine Medical Center Research Institute. The five-year grant is the first of its kind to be awarded in Maine by the National Institute of General Medical Sciences. The T32 program supports broad and fundamental early-stage research training for predoctoral participants in centers that make significant impact on the health-related research needs of the United States. The grant is for transdisciplinary predoctoral training in biomedical science and engineering. In addition to the \$1.07 million from NIH, UMaine contributes \$500,000 to the award, resulting in \$1.57 million in support of this initiative. GSBSE is a statewide education and research consortium dedicated to the training and professional development of graduate students in biomedical science and engineering. The program provides an innovative multidisciplinary and personalized learning environment that prepares students for careers in diverse professional fields critical for Maine and the nation's future.

## Pen Bay Pilot presents McGillicuddy Humanities Center Fellows

17 Oct 2019

[Penobscot Bay Pilot](#) ran a University of Maine media release about three students named 2019–2020 Clement and Linda McGillicuddy Humanities Center Undergraduate Fellows at the University of Maine — Sarah Penney of Thomaston, Noah Loveless of Cumberland, and Matthew Ryckman of Corning, New York. Fellows are ambassadors of humanities for their peers, the campus and beyond. They each receive \$4,000 for two consecutive semesters while they work on their research projects.

## Boothbay Register advances Riordan's bicentennial talk

17 Oct 2019

[The Boothbay Register](#) advanced Liam Riordan's bicentennial talk for the Coastal Senior College. The University of Maine history professor will discuss "Brainstorming the State Bicentennial: Past and Present Perspectives" 2–4 p.m. Oct. 29, at the Camden Public Library. His presentation will explore in words, maps and other illustrations, the long statehood process in Maine that culminated in 1820 with separation from Massachusetts. The struggle engaged a range of challenging public issues that are still recognizable today. Four themes bridge the 200 years in telling ways: the "two Maines" and sharp partisan conflict; the explosive place of slavery vis-a-vis the Maine-Missouri Crisis; Wabanaki sovereignty; and the uncertain location and meaning of the international border. [The Free Press](#) also previewed Riordan's talk. [The Ellsworth American](#) reported Riordan will speak on the same topic Oct. 30 at the Wilson Museum's Hutchins Education Center in Castine.

## Media report on \$1.1M grant awarded to grow Maine's forest economy

17 Oct 2019

[WAGM](#) (Channel 8 in Presque Isle), the [Portland Press Herald](#) and [Centralmaine.com](#) reported the U.S. Department of Commerce awarded a \$1.1 million Economic Development Administration grant to the University of Maine to continue to support the Forest Opportunity Roadmap (FOR/Maine) coalition as it implements its plan to stabilize, diversify and grow Maine's forest economy by 40% over the next five years. FOR/Maine is a cross-sector collaboration between industry, communities, government, education and nonprofits to realize the next generation of Maine's forest economy. The grant will be matched with \$499,000 in state funds and \$278,608 in local funds, according to the article. More about FOR/Maine is [online](#).

## BDN interviews Dumas about his job cooking at the White House

17 Oct 2019

The [Bangor Daily News](#) interviewed Rob Dumas, food science innovation coordinator at the University of Maine, about his time as a chef for the White House Navy Mess, a Navy-run dining facility in the basement of the West Wing. For the first four years of the Obama administration, Dumas cooked in the White House and traveled with the first family, according to the article. Dumas said he has fond memories of preparing breakfast in the Obamas' Chicago residence and making a cocktail for President Obama in Rio de Janeiro. Dumas told the BDN that Michelle Obama inspired him. "It all goes back to Michelle," he said. "She got me into reading books by Michael Pollan and Alice Waters. It opened my eyes to what a local food system could look like."

## Contributions by Hamilton, Stearns cited in Science magazine article

17 Oct 2019

Contributions made by Gordon Hamilton and Leigh Stearns are included in [Science](#) magazine's article "Greenland's Dying Ice," which features Fiamma Straneo's research on the Helheim Glacier. Hamilton, an associate research professor at the Climate Change Institute, died in 2016 conducting research in Antarctica. Stearns, an associate professor at the University of Kansas, earned her doctorate at the University of Maine. Straneo met Hamilton about 15 years ago at Woods Hole Oceanographic Institution. Hamilton and Stearns — then a graduate student — were placing GPS units on Helheim to track its retreat. Hamilton later met David Finnegan, a remote sensing scientist at the U.S. Army's Cold Regions Research and Engineering Laboratory. He used reflected laser light to map terrain. Hamilton suggested Straneo also use a laser to monitor Helheim's front. He said linking fracturing with the influx of Atlantic water might help them figure out if the water plays a role in the loss of ice. "Melt from Greenland already accounts for 25% of global sea level rise, double the contribution of Antarctica, and its share is growing. Rising waters are already exacerbating storm surge and causing sunny-day flooding in cities worldwide," reads the article. "Even by conservative estimates, Greenland could contribute another quarter-meter of sea level rise by 2100 — within the lifetime of children living today. All told, the ice sheet holds enough water to raise seas by 7 meters."

## New 10-year Holt Research Forest Strategic Plan released

18 Oct 2019

The University of Maine Center for Research on Sustainable Forests has published the 2019–2029 Holt Research Forest Strategic Plan. The strategic plan grew out of a recent National Science Foundation Biological Field Stations and Marine Laboratories planning grant that included an October 2017 Holt Research Forest Board of Visitors review to evaluate the research, educational curricula, outreach, data management, facilities, administrative structure, financial support and future of Holt Research Forest. In conjunction with faculty and researchers from a variety of institutions internal and external to Maine, the board worked to develop a revised mission and vision for Holt Research Forest, and outlined goals and initiatives to promote research, education and outreach for the next decade. Importantly, strategic administrative and facility development are prescribed, as are measures of accountability and success. The Holt forest, a field station located in southern mid-coastal Maine near Bath, has a 36-year history of multidisciplinary ecological research. Since 1983, UMaine faculty have led studies on forest vegetation and wildlife in response to land management at Holt Research Forest. The Maine TREE (Timber Research and Environmental Education) Foundation, a statewide organization with a strong focus on forest education, oversees Holt Forest and has been partnering with UMaine to conduct ongoing research and expand forest education curricula at the site. A copy of the strategic plan, as well as more about the Holt Research Forest, is [online](#).

## Community invited to UMaine Dining's Fall Farm to Table Dinner

18 Oct 2019

The University of Maine's three dining halls will offer a Fall Farm to Table Dinner highlighting Maine grown and produced food Oct. 22. The public is invited to join UMaine meal plan participants 4:30–8 p.m. in Hilltop and York dining halls, and Wells Central. Dinner is \$14.54 for adults; \$6.40 for age 12 and younger. The menu is [online](#). UMaine Dining is committed to sourcing as much food as possible from local growers and producers. In June, UMaine Dining surpassed its goal of 20% local foods by 2020 with 23% of its food locally sourced. UMaine is a leader statewide in the local food movement, as well as practicing sustainability throughout dining and catering units.

## Penobscot Bay Pilot reports Hutchinson Center spring registration open

18 Oct 2019

[Penobscot Bay Pilot](#) reported registration is open for spring 2020 courses at the University of Maine Hutchinson Center in Belfast. The center is offering more than 300 undergraduate and graduate courses, both live and online, for the spring semester Jan. 21–May 8, the report states. Need-based scholarships are available to new and continuing students; the deadline for scholarship applications is Jan. 10. Students interested in enrolling in courses to begin, continue or complete a degree can register [online](#) or contact Nancy Bergerson, 338.8049; nancy.bergerson@maine.edu. More information also is [online](#).

## AHA News interviews Camire about alternative meat

18 Oct 2019

American Heart Association (AHA) News interviewed Mary Ellen Camire, a professor of food science and human nutrition at the University of Maine, for the article, "Meat Alternatives Have Gone Mainstream, But How Can They Fit in Your Diet?" Plant-based meat alternatives are growing in popularity, and Nielsen data shows 98% of people who buy meat alternatives also buy meat, according to the article. Regardless of the reasons for choosing meat alternatives, consumers need to make sure they're getting enough protein and other nutrients in their diet. "Iron from beef is very well absorbed, but plant iron not much so," said Camire. "The big thing is vitamin B12 because you can only get that from animal products or supplements. So for some people, that is a risk factor. They may be at risk for developing anemia." And for those who choose meat alternatives for health reasons, Camire said they should be aware of the trade-offs. "A lot of them are designed so that they are more comparable to some of the more structured proteins, but they're a blessing and a curse. It might have as much protein as the real meat, but it probably has a lot more sodium, and it may even have more saturated fat," she said. "It's a little bit ironic today, when everyone is wanting clean labels, that some of these meat alternatives actually have a lot of additives in them." Camire recommends beans and legumes such as chickpeas, lentils and soybeans as healthy alternatives to meat, because they are good sources of protein, fiber, iron and other nutrients. And as with most dietary choices, the key is to strive for balance between animal products, fruits, vegetables and other dietary choices that satisfy nutrition requirements, according to Camire. [U.S. News & World Report](#) and [The Times of Northwest Indiana](#) published the AHA News article.

## BDN speaks with Kinnison for article about mudpuppies

18 Oct 2019

The [Bangor Daily News](#) spoke with Michael Kinnison, a professor of evolutionary applications at the University of Maine, for an article about mudpuppies. Mudpuppies are the largest amphibian in Maine, capable of growing to more than 16 inches in length, and were accidentally introduced to the state in 1939. Now the colorful, bottom-dwelling, nocturnal salamanders are thriving in Maine's lakes, streams and rivers, according to the article. And the mudpuppy is part of a UMaine research project focused on environmental DNA, or eDNA, which is DNA expelled by an organism into its environment. This DNA can be collected in environmental samples, such as soil, water and air, and used to track specific organisms. The mudpuppy is "a classic example" of how eDNA can be used, according to Kinnison, who is the science lead for the Maine-eDNA program. "If this was an animal that people could see readily at any time, say a bird, there's a good chance people would be able to spot it and count it," Kinnison said. "Where eDNA comes in handy is when dealing with organisms that are relatively rare or difficult to find or unfamiliar to people." The UMaine eDNA lab worked with the Department of Inland Fisheries & Wildlife to collect water samples from bodies of water, and verify their findings based on data collected from mudpuppy traps. "We're certainly getting there. We've designed the lab tool," said Kinnison. "We've shown that it will detect mudpuppy DNA down to forensic levels — a few molecules of DNA in a liter of water. Now we're working on how to deploy the tool in the field to use it effectively." The National Science Foundation awarded a \$20 million grant to a five-year Maine-eDNA initiative to further develop the technology at UMaine, Bigelow Laboratory for Ocean Sciences, and beyond, the BDN reported. [WGME](#) (Channel 13 in Portland) carried the BDN report.

## AMC slated for upgrades, media report

18 Oct 2019

The Associated Press, [WABI](#) (Channel 5), [WAGM](#) (Channel 8 in Presque Isle) and [Mainebiz](#) reported the Advanced Manufacturing Center at the University of Maine is upgrading its equipment as part of a drive to bring new kinds of industry to the state. The AMC is receiving \$2.5 million for the upgrades, including a \$1 million award from the National Institute of Standards and Technology's Manufacturing Extension Partnership to improve the center's Center for Additive Manufacturing of Metals, the AP report states. The AMC also is receiving \$1.5 million for equipment upgrades to better meet the needs of industry and workforce in Maine, including \$750,000 from the U.S. Economic Development Administration and matching funds from UMaine and the Maine Technology Institute. [U.S. News & World Report](#), [Maine Public](#), [News Center Maine](#), [Seacoast Online](#) and [Miami Herald](#) carried the AP report.

## Migratory birds arriving earlier, but they're not keeping pace with flowering, leaf-out

18 Oct 2019

An Aroostook County man's nature-based journal notes written in the mid-1900s are shedding light on ecological effects of climate change in understudied northern Maine. L.S. Quackenbush's daily entries provide evidence that migratory birds' arrival dates in Oxbow, Maine may not be shifting fast enough to keep up with advancing leaf-out and flowering life cycles, says Caitlin McDonough MacKenzie. This trophic mismatch — when the availability of food isn't in sync with the demand for food — could be problematic for migrating birds, says the David H. Smith Conservation Research Fellow at the University of Maine. Information in Quackenbush's journals also indicate that plants in northern New England seem to be responding more slowly to warming spring temperatures,

when compared to plants in southern New England. “Leaf out and flowering are creeping earlier in warmer springs across the region, but the rate of advance seems to be slower in northern New England,” says McDonough MacKenzie, who has been studying phenology, or the timing of seasonal biological events like flowering and leaf out, in Maine since 2011. “My Ph.D. adviser works in Concord, Massachusetts, so throughout my research I was always comparing my findings back to Concord. We have these incredible records of plant and bird phenology in Concord that dates back to Thoreau, so we can calculate how these species shift. “My study species in Maine seem to be shifting slower than the observations from Concord. This could be an artifact of different data sources — we kind of take what we can get when it comes to historical records — but it could be a sign that something is different in the north.” Quackenbush’s journals were recently rediscovered at the College of the Atlantic. McDonough MacKenzie has compared his 1940–1959 ecological data with migratory bird data recorded from 1993 to 2012. While spring leaf-out has been extensively studied in southern New England, that’s not the case in northern New England, where the temperate deciduous forest — think four seasons — meets the transition with boreal forest — think hardy evergreens. In addition to detailing migratory bird arrivals, leaf-outs and flowering cycles, Quackenbush, a hunting guide, documented the weather as well as ice on the Oxbow River behind his house in Oxbow. Oxbow is between Baxter State Park and Presque Isle. The 2010 U.S. Census reported that 66 people lived there. Oxbow de-organized as a town in 2017, says McDonough MacKenzie, who found Quackenbush’s barn and house when she traveled to Oxbow in 2013. According to Quackenbush’s notes, the average date of arrival of eight migratory bird species in the mid-1900s was May 23. Today it’s May 14. Even though this date advanced, McDonough MacKenzie says the birds’ average arrival date did not correlate with mean spring temperatures. Warmer spring temperatures, though, did impact leaf out and flower dates. [caption id="attachment\_73869" align="center" width="700"]

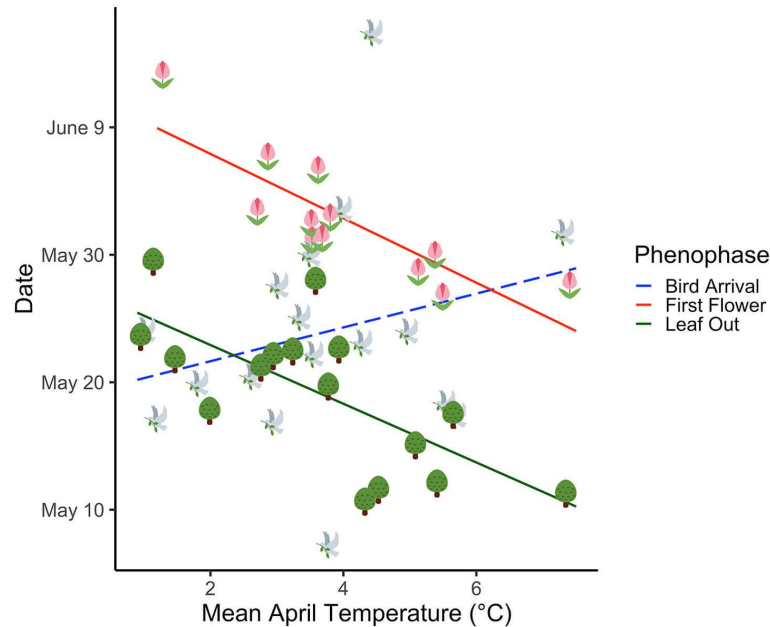


Figure 1. The community-level response of mean leaf-out (green trees), mean first flower (pink tulips), and mean migratory bird arrival date (grey doves) to mean April temperatures (°C) from the records of L.S. Quackenbush. Linear models for each phenophase shown in solid lines for significant ( $P < 0.05$ ) models (leaf-out and flowering) and the dashed lines for the non-significant bird arrival model.[caption] June 2 was the average first flower date for 15 species that Quackenbush observed. In Quackenbush’s journal, the average date of first flower moved ahead 2.5 days for each 1 degree C increase in mean April temperature. May 19 was the average leaf-out date for 10 of Quackenbush’s observed plant species 1940–1955. Throughout Quackenbush’s observations in the mid-20th century, the average date of leaf out advanced 2.3 days for each 1 degree C increase in mean April temperature. All across New England, there’s a clear trend of earlier flowering and leaf-out. But the date of arrival of migratory birds doesn’t seem to be shifting as consistently or rapidly. McDonough MacKenzie says Quackenbush’s journal and other perhaps underappreciated sources of historical ecological data give ecologists the chance to rapidly assess changes in seasonal plant and animal life-cycle events. His data also may help scientists better understand uneven plant and animal seasonal responses to warming across a community, as well as possible implications for competition, pollination, feeding interactions and, ultimately, community structure and stability. [“Advancing Leaf-Out and Flowering Phenology is Not Matched by Migratory Bird Arrivals Recorded in Hunting Guide’s Journal in Aroostook County, Maine”](#) was published in *Northeastern Naturalist*. Co-authors are Jason Johnston and Robert Pinette of the University of Maine at Presque Isle, Abraham Miller-Rushing of the U.S. National Park Service at Acadia National Park, William Sheehan of Woodland, Maine, and Richard Primack of Boston University. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## Stephanie Mulligan: Education grad writes children’s book about lobster fishing

18 Oct 2019

When Stephanie Mulligan was a sophomore at University of Maine, she started writing a poem about her experience working on the *Lucky Catch*, a lobster fishing tour boat out of Casco Bay. “I loved every day,” she says. “I loved the people I met from all over the world — they were always excited to be there. I always loved teaching and meeting new people, and working with others.” Mulligan worked on the *Lucky Catch* for eight years — starting in high school, and throughout her time at UMaine. More than a decade after starting that poem, she turned it into [“How to Catch a Keeper,”](#) a children’s book that she self-published this year. “I wrote the majority of it when I was in my early 20s, and then I put it away and didn’t really touch it for probably six years,” she says. Although she always loved writing, Mulligan says she never really pictured herself as a writer. She wanted to teach. In 2008, she graduated from the College of Education and Human Development with a degree in elementary education and a minor in dance. After graduation, she worked as an educational technician in Cumberland before meeting her husband, Matthew, a former Black Bear football star who played nine seasons in the NFL. (They didn’t know each other in college, even though they graduated the same year.) The couple moved to Lincoln to be close to family, and Mulligan taught middle school language arts. In 2013, pregnant with their first daughter, Mulligan decided to revisit the poem she started all those years ago. She had a breakthrough when she met artist Connie Rand, who also lives in Lincoln, and who agreed to do the illustrations for the project. “How to Catch a Keeper” tells the story of Luke and Layla, two kids who join their dad on the *Lucky Catch* for a day of lobster fishing off the Maine coast. The children learn about everything from buoys and winches, to how to tell the difference between male and female lobster, to seals, seagulls and other ocean creatures. Rand’s illustrations, originally done in acrylic, bring the story to life. There’s also a glossary of “Lobstering Lingo,” and an accompanying activity book with more ways to learn about lobster fishing and the Maine coast. Mulligan decided to self-publish the book, in part so it would qualify for the Maine Made logo. “We could have had a thousand more copies printed in China,” Mulligan says. “But it was really important to me that it be printed in Maine. We had it printed at J.S. McCarthy Printers in Augusta. Everyone involved in the book are Mainers, so that’s a really big deal.” Since its release, Mulligan says she’s received a lot of positive feedback for “How to Catch a Keeper.” That includes a silver medal for the e-book version in the 2019 [Moonbeam Children’s Book Awards](#). Even though she didn’t set out to write a children’s book when she wrote the poem that would become “How to Catch a Keeper,” looking back, Mulligan says there were hints of what was to come during her time at UMaine. She remembers a creative writing class taught by English professor Deborah Rogers, who told her, “I think you’re going to write a book someday.” Mulligan also has a fond memory of meeting the late Passamaquoddy elder and children’s book author Allen Sockabasin in a class taught by Jane Wellman-Little, a lecturer in literacy education. Now that she’s an author herself, Mulligan says she hopes to inspire young students to follow their passions like she has. “Getting to meet writers, like Allen Sockabasin, was hugely influential,” she says. “I hope one day that I can have that kind of an effect on someone.” **Hometown:** Originally from Otisfield, now living in Lincoln, Maine. **Degree earned:** Bachelor of Science in elementary education (English concentration) and a minor in dance. **Describe your book, “How to Catch a Keeper,” and what age level it’s for:** It’s about a father taking his two children out on a lobster tour boat, the *Lucky Catch*. The dad has already been on the tour, and he’s excited to share the experience with his kids. He kind of takes them step-by-step through a day on the water. The reading level is second to third grade. I’ve had feedback from a lot of adults saying their kids, and they themselves, learned so much about lobster fishing, which is wonderful to hear because the book is educational. Also, Connie Rand did a great job with the illustrations. I get a lot of comments from people who love how unique and realistic her paintings are. **Talk about what inspired you to write the book:** I think it was my sixth year working on the *Lucky Catch* — so my sophomore year at UMaine — and I remember coming home from work one day and thinking, “I really want to write this all out. I really want to remember this experience.” I wasn’t thinking, “I’m going to write a children’s book.” I just liked writing, and I decided, “I’m going to write a poem about this,” because I loved it. I revisited the poem around 2013, and submitted it to a few publishers. But it wasn’t as polished as the final version. In 2015, I happened to be talking to Connie, who runs the “Welcome to Lincoln, Maine” website, and I knew she was an artist. So I asked her, “Do you know anyone who would be interested in doing a children’s book?” And she said, “I have always wanted to do a children’s book.” So we just started going back and forth, and it took us several more years but we finally were able to put it out this year. **Did any of your UMaine professors influence the writing of the book? If so, who and how were they influential?** Professor Deborah Rogers in the English department said to me one time in a creative writing class, “I think you’re going to write a book someday.” So there must have been something — some kind of glimpse of something to her. I don’t remember if it was in response to something I wrote, I just remember it was very encouraging. Also, Jane Wellman-Little, (lecturer in literacy education). I still have all of the picture books that we analyzed in her children’s literacy class. Allen Sockabasin, who wrote “Thanks to the Animals,” came to speak to one of Jane’s classes too. I asked him to sign my copy of his book, which I still have. Things like that, just getting to meet people who live in Maine, who are writers and creative people was very

inspiring to me. **Do you think you'll write any more books?** Right now, I'm working on "How to Tap a Maple." I've been inspired by my father-in-law, who taught my children how to tap a maple tree this year. **Why UMaine?** I wanted to stay in Maine for college, and UMaine has a great reputation. When I decided I wanted to teach, I was impressed by the quality of the program and the faculty in the College of Education and Human Development. Then there were all of the extracurricular opportunities, especially Maine Bound and dance club. The dance program was a big draw, because I knew I wanted to keep dancing, which I'd done in high school, and it was all-inclusive without being overly competitive. **How would you describe the academic atmosphere at UMaine?** I always felt my professors were friendly, easy to talk to and tried to work with students to help us succeed. They definitely held us accountable, but they also were there to support us and to pass along their knowledge. **What difference has UMaine made in your life and in helping you reach your goals?** I really wanted to be a teacher, and I feel like UMaine prepared me for that. I was as an Ed Tech III in Cumberland after graduation, and then I had my own classroom in Lincoln at Mattanawcook Junior High School, teaching seventh and eighth grade language arts. **When you were at UMaine, what was your favorite place on campus?** The coffee shop in Fogler Library. **How does UMaine continue to influence your life?** I continue to stay in touch with some of my professors. I stop in to see Deb (Rogers) and Jane (Wellman-Little) once in a while. So I still feel connected. I hope to connect even more, especially now that I've written this book. I want to give back in a way like those authors who came in while I was a student. Contact: Casey Kelly, 207.581.3751

## UMaine researchers defend scientific contributions of two misrepresented pioneers in hypertension

21 Oct 2019

Misquotations and quotations made without historical context unfairly paint two pioneers in hypertension investigators as flawed in their thinking, according to two University of Maine researchers. Merrill Elias, emeritus professor of psychology and emeritus cooperating professor in the Graduate School of Biomedical Science and Engineering, and Amanda Goodell, research associate in psychology, have published a long-overdue rebuttal of criticisms of John J. Hay and Paul W. White. Recently published in the Journal of Clinical Hypertension, the authors point out that Hay and White, investigators who were in the forefront during the early days of hypertension research (1930–50), were unfairly used as examples of misguided thinking about the seriousness of high blood pressure for cardiovascular health and early death. These unfounded criticisms were echoed in many slides, books and other instructional materials used in courses on cardiovascular epidemiology. In the case of Hay, incomplete quotations resulted in interpretations of his words that directly contradicted his point of view. The work of his contemporary, White, was taken out of its historical context and, thus, also misrepresented his recommendations for diagnosis and treatment of hypertension. Hay and White made enormous contributions to understanding the adverse consequences of hypertension and struggled to find treatments for hypertension at a time when there were no adequate drugs, according to Elias and Goodell. In fact, White set the stage for the widely acclaimed Framingham Heart Study of hypertension and stroke that began in 1950. In their article, Elias and Goodall expose the misquotation and out-of-context quotations that were used to paint these prescient pioneers as behind the times and examples of primitive medical thinking. In addition, the authors briefly discuss the many problems of misquotation — especially quotation out of context in terms of the scientific literature. The peer-reviewed paper by Elias and Goodall is on open access status [online](#). It is an opinion piece and does not reflect any official views of the journal. Contact: Margaret Nagle, 207.581.3745

## Symposium on Maine's New Forest Economy on campus Oct. 23

21 Oct 2019

A symposium on Maine's new forest economy will be held Oct. 23 at the University of Maine, sponsored by UMaine, the Maine Forest Products Council and Forest Opportunity Roadmap/Maine (FOR/Maine). The 1–4:30 p.m. event in Wells Conference Center is free and open to the public. [Online registration](#) is required. It is being held during National and Maine Forest Products Week. Presentations will focus on how businesses and forest-focused professionals are adopting new product technologies and adapting historical industries to advancements in sustainable forestry practices, emerging markets, innovative applications and reinvestment in Maine's forest economy. The symposium will be moderated by Steve Schley, FOR/Maine Executive Committee chair, and will feature opening remarks by Sen. Angus King (via video). Speakers include Adam Costanza, program manager of sustainability metrics, National Council for Air and Stream Improvement; Adam Daigneault, UMaine assistant professor of forest, conservation and recreation policy; Joshua Henry, president and founder, GO Lab; and Beth Cormier, vice president of research, development and innovation, SAPPI North America. The symposium is SAF approved for 3.0 Category 1 CFEs. For more information or to request a reasonable accommodation, contact Shane O'Neill, 581.2812; [foresteconomy@maine.edu](mailto:foresteconomy@maine.edu).

## Food entrepreneur workshops begin Oct. 23 in Bangor

21 Oct 2019

University of Maine Cooperative Extension will offer half-day workshops for food entrepreneurs in multiple locations this fall. "Recipe to Market" topics include food entrepreneurship in the specialty food industry, business basics, an overview of the product development process, licensing and regulations, and food safety. The following sessions will be held 9 a.m.–noon:

- Oct. 23 at UMaine Extension Penobscot County, 307 Maine Ave., Bangor. \$10, register [online](#).
- Oct. 29 at UMaine Extension Hancock County, 63 Boggy Brook Road, Ellsworth. Free, register [online](#).
- Dec. 2 at UMaine Extension Androscoggin-Sagadahoc Counties, 24 Main St., Lisbon Falls. \$10, register [online](#).
- Dec. 17 at UMaine Regional Learning Center, 75 Clearwater Drive, Falmouth. \$20, register [online](#).

A free "Pricing your Products and Services for Profit" workshop also will be held 9 a.m.–noon. Oct. 31 at the UMaine Extension Hancock County in Ellsworth. The workshop will focus on key elements of pricing for profitability in the small-business sector. Registration is [online](#). For more information or to request a reasonable accommodation, contact Kathy Savoie at 207.781.6099; [ksavoie@maine.edu](mailto:ksavoie@maine.edu). More information also is [online](#).

## WABI interviews master illusionist ahead of CCA show

21 Oct 2019

[WABI](#) (Channel 5) spoke with master illusionist Lyn Dillies ahead of her Oct. 18 show at the University of Maine's Collins Center for the Arts. The award-winning magician has been performing for more than two decades. She told WABI she loves performing for people of all ages and being able to entertain families with a memorable experience. "It really is just the culmination of all this hard work, you know? I love bringing that 'wow' factor to people," she said. "It just makes you feel so good that you're doing your job and they're really appreciating it. There's nothing like it. It really is magic." She said she hopes to inspire young women by her accomplishments in a male-dominated field.

## UMaine listed as major bioscience sector employer in Press Herald article

21 Oct 2019

The University of Maine is included in a [Portland Press Herald](#) story about the rise of the biological sciences industry in the state. Maine's biological sciences industry is growing at a much faster rate than the state's economy as a whole, bringing high-paying jobs to Mainers across the spectrum of education levels, according to a report by the Bioscience Association of Maine (BioME). The report indicates bioscience industry job growth in Maine in the past five years has been 14%, compared with 4% job growth for all industries combined. In 2018, there were at least 7,400 bioscience industry jobs in the state in 2018, paying a median hourly wage of \$28.50 (\$59,300 a year), which is nearly one-third higher than the median hourly wage of \$19.79 (\$41,200 a year) for all Maine industries combined, according to the story. UMaine is listed as one of the major employers in the state's bioscience sector. The [Sun Journal](#) and [centralmaine.com](#) carried the Press Herald article.

## Calderwood speaks with Ellsworth American about colorful fall blueberry fields

21 Oct 2019

[The Ellsworth American](#) spoke with Lily Calderwood, University of Maine Cooperative Extension wild blueberry specialist and assistant professor of horticulture, about the vibrant red and orange blueberry fields seen in Down East Maine during the fall. Calderwood explained that wild blueberry plants are similar to deciduous trees in that they release chlorophyll in the fall when temperatures drop. "When the green from the chlorophyll comes out of the leaves, you have the red and orange color left behind," she said.

## HowStuffWorks quotes Steneck in report on sea urchins

21 Oct 2019

Bob Steneck, a University of Maine professor of marine sciences, was cited in the [HowStuffWorks](#) article, "Sea urchins are the edible pincushions of the ocean." "A sea urchin's body plan is pretty unique," Steneck said. "One could say it is a hollow limestone sphere (made of numerous hexagonal plates sort of like a geodesic dome) with spines that make it look like a pincushion. They move slowly using numerous small tubular suction devices called 'tube feet.'" The 'tube feet' are strong muscles that protrude from the ends of

the spines, which can attach to rocks or coral, allowing the urchins to move over the sea floor, according to the article. While it’s certainly not pleasant, Steneck assures that stepping on a sea urchin is not deadly. Sea urchin fishing began in Japan soon after World War II before spreading to the entire Pacific Rim by the 1970s and within two more decades the practice would spread to the Atlantic region, the article states. “The global peak in sea urchin harvests occurred around 1993 and has declined ever since,” Steneck said. “In many places, it is a poster-child example of overfishing.”

## **UMaine named ‘most outdoorsy school’ in Northeast, second in nation**

**22 Oct 2019**

The University of Maine is the “most outdoorsy school” in the Northeast and the second “most outdoorsy” in the nation, according to the Association of Outdoor Recreation and Education (AORE). In this year’s AORE Campus Challenge, 98 universities competed for the title from Sept. 16 through Oct. 13, designed to help build a community of outdoor enthusiast on college campuses nationwide. This is the second time UMaine took the Northeast title. This year, it was second nationally to Texas Woman’s University. At UMaine, the initiative is led by Maine Bound Adventure Center. In this year’s competition, Maine Bound and its partners hosted eight events and five trips involving more than 800 participants. “The University of Maine continues to prove it is a destination for those looking for a home in the outdoors,” says Chris Bartram, assistant director of Maine Bound. “Our community showcased a full array of participation, from those who spent their time stargazing, gardening and birdwatching to the most adventurous types climbing the expansive cliffs around the state. Maine has a deep connection and enthusiasm for the outdoors, and we continue to attract and grow that community here at the University of Maine.”

## **Filmmaker to screen documentary about sex trafficking, host panel discussion**

**22 Oct 2019**

Award-winning filmmaker Vanessa McNeal will host a free public screening of her 2018 documentary “Gridshock” at 5 p.m. Oct. 24 in Hill Auditorium in Barrows Hall as part of Domestic Violence Awareness month. In the film, McNeal, a survivor of sexual violence, explores the underpinnings of the thriving sex-trafficking industry, a global problem taking root in the U.S. She reveals a surprising culture of impunity that protects traffickers and the clients who drive the burgeoning demand for sex in rural America. The film challenges viewers to recognize that sex trafficking is happening across America — in urban and less populated areas — with stories from survivors of sex trafficking, local and federal law enforcement, advocates, politicians and a recovering sex addict. Prior to the screening, McNeal will provide background about making the film. After the film, community partners from the Mabel Wadsworth Center and Rape Response Services will participate in a panel discussion about sex trafficking in Maine. “The Voiceless,” McNeal’s first full-length documentary film, received an Award of Merit at Indiefest 2017 and was recognized as an official selection at the 2018 Denton Black Film Festival. This film focused on the trauma and resiliency of male survivors of sexual abuse. McNeal was recognized with the 2017 YWCA Woman of Tomorrow award and the 2018 STATEment Maker award from Iowa State University in the entrepreneurial spirit category. The honor recognizes early personal and professional accomplishments and contributions to society from Iowa State graduates 34 years old and younger. McNeal also was honored as a Best Director at the 2017 Newark International Film Festival for “The Voiceless.” This is her second visit to UMaine. The screening of “Gridshock” and the panel discussion are presented with support from the College of Engineering; College of Liberal Arts and Sciences; Division of Student Life; Honors College; Rising Tide Center; and Women’s, Gender and Sexuality Studies at the University of Maine; as well as community partners Mabel Wadsworth Center and Rape Response Services. For more information, or to request a reasonable accommodation, call the Rising Tide Center, 581.3439.

## **Traffic alert: Repaving on Park Street in Orono Oct. 22–23**

**22 Oct 2019**

A section of Park Street in Orono — north of the roundabout at Rangeley Road — will be reduced to one lane of traffic for repaving, Wednesday through Thursday, Oct. 22–23. UMaine community members need to plan accordingly. Commuters using that route should expect delays.

## **I-95 previews UMaine Homecoming events**

**22 Oct 2019**

Bangor’s Classic Rock Station [I-95](#) (95.7 FM) advanced University of Maine Homecoming events slated Oct. 25–27, including the UMaine football game vs. William & Mary and the annual UMaine Alumni Association Craft Fair and Maine Marketplace. More information about Homecoming is [online](#).

## **VillageSoup advances Vekasi’s Camden talk on Chinese politics, censorship**

**22 Oct 2019**

[VillageSoup](#) reported the Camden Conference will present a talk by Kristin Vekasi, assistant professor of political science at the University of Maine, at the Camden Public Library on Nov. 19. The 7 p.m. talk titled “Beyond the Great Firewall: Censorship and Politics in Contemporary China” is free and open to all. The mission of the Camden Conference is to foster informed discourse on world issues, according to the article.

## **Emera Astronomy Center makes learning fun for families, WVII reports**

**22 Oct 2019**

[WVII](#) (Channel 7) reported the Emera Astronomy Center at the University of Maine offers family-friendly shows to provide children with a fun way to learn science. Astronomy center officials told WVII that in the center’s planetarium, children can learn lessons about science, which include information about the ocean, the Earth’s atmosphere, the environment and space. “It’s the next generation that is going to go off back to the moon and onto Mars. It’s important to get them thinking about science in their early years,” said Tristan Underwood, a UMaine physics student and presenter at the center. He said shows for adults are held throughout the week and the family shows are held on Sunday afternoons.

## **Maine Public’s ‘Speaking in Maine’ features Cain’s Honors graduate lecture**

**22 Oct 2019**

“Speaking in Maine,” a public affairs lecture series hosted by [Maine Public](#), ran the University of Maine’s TIAA 2019–20 Distinguished Honors Graduate Lecture featuring Emily Cain. Cain, a 2002 alumna of UMaine and the Honors College, is currently the executive director of EMILY’s List following a decade as a state legislator in Maine. She spoke at UMaine in September about “The Myth of Electability: What it Really Takes for Women to Win.”

## **WVII covers Fulbright conference on local food systems, health**

**22 Oct 2019**

[WVII](#) (Channel 7) reported on a Maine Chapter of the Fulbright Association event hosted by the University of Maine. “From Farm to Healthy Body: A Sustainable Model for the Planet and the Individual” focused on raising awareness about how local food systems and farming directly affect everyday health, WVII reported. Event organizer Dorothy Klimis-Zacas, a UMaine professor of clinical nutrition, mentioned some common questions that were explored during the conference. “How do we determine that food is safe to eat? How do we build community around food and our choices? How do we support local agriculture and how do we support organic agriculture?”

## **Lancaster Farming publishes report on UMaine’s potato breeding program**

**22 Oct 2019**

[Lancaster Farming](#) published “Survival of the fittest tuber,” an article on the University of Maine’s potato breeding and variety development program. Since 2014, UMaine has released four potato varieties in cooperation with the Maine Potato Board, according to the article. A new potato variety released for commercial production represents a significant investment, according to Greg Porter, professor of crop ecology and management at UMaine, who leads the potato breeding and development program at Aroostook Farm. It typically takes about eight years or more before a new potato variety is selected for potential commercial production, Lancaster Farming reported. In the test fields of Aroostook Farm, Mother Nature selects the hybrid that best adapts to soil and climate conditions,



and that is genetically resistant to common soil-borne diseases, Porter said. There's no irrigation, no pest management, no fertilization — it's survival of the fittest tuber, the article states. "That way, we know quite early — after the third year of screening — whether a variety has late blight resistance, pink rot resistance, scab resistance, potato virus resistance and early die resistance," Porter said. "Those are our four top targets for increasing pest resistance." [Potato Grower](#) and [Potato News Today](#) also published the article.

#### **Former Secretaries Cohen and Kerry to discuss defense and diplomacy Nov. 5 at UMaine**

**22 Oct 2019**

"Defense and Diplomacy in an Uncertain World" will be the focus of the 2019 Cohen Lecture Nov. 5 at the University of Maine. Former Secretary of Defense William Cohen will be joined in the discussion by former Secretary of State John Kerry. Moderating the discussion will be Felicia Knight, president of The Knight Canney Group. The 1 p.m. event at the Collins Center for the Arts, the 12th in the William S. Cohen Lecture Series presented by UMaine's Cohen Institute for Leadership and Public Service, is free and open to the public. To attend or request a disability accommodation, call 207.581.1755 or go [online](#). Cohen, a Bangor native who represented Maine in Congress for 24 years before joining President Clinton's cabinet, established the series when he donated a collection of his Congressional papers to UMaine's Fogler Library. In 2001, he also donated his papers from his tenure as secretary of defense. Cohen is CEO and chair of The Cohen Group in Washington, D.C., which provides global business consulting. Kerry served as secretary of state from 2013–17. He served as a U.S. Senator representing Massachusetts from 1985 to 2013, and chaired the Senate Foreign Relations Committee from 2009–13. Kerry is the Distinguished Fellow for Global Affairs at Yale University and the Visiting Distinguished Statesman for the Carnegie Endowment for International Peace. UMaine's Cohen Institute for Leadership and Public Service models, promotes, and teaches leadership and civic engagement through programs that reflect and honor the legacy of Secretary Cohen's public service. The Institute trains future generations destined for leadership roles in a variety of disciplines to be ethical, visionary, innovative, civil, thoughtful and independent-minded in the service of Maine, the nation and the world. A particular focus is sponsoring initiatives that bring together academic experts and civic leaders from diverse political backgrounds to forge informed consensus on a range of contemporary policy challenges. Contact: Margaret Nagle, 207.581.3745

#### **Greenland trip with Mayewski focus of two-part podcast**

**22 Oct 2019**

"[The Greater Good](#)," the podcast series of the University of Maine Graduate and Professional Center, has posted the first of a two-part series on a summer 2019 trip to Greenland by Paul Mayewski of the UMaine Climate Change Institute, Firooza Pavri of the University of Southern Maine Muskie School of Public Service and Charles Norchi of Maine Law. The second episode will be available Oct. 28. More information about the podcast is on the Maine Center's [webpage](#). "The Greater Good" is produced by the University of Maine Graduate and Professional Center and recorded at the WMPG station on the University of Southern Maine campus in Portland. The Maine Center is a consortium of graduate programs that prepares current and future leaders to solve the state and nation's most pressing challenges. Consortium partners include University of Maine School of Law, Muskie School of Public Service at the University of Southern Maine, University of Maine Graduate School of Business, and the Cutler Institute for Health and Social Policy at the Muskie School.

#### **UMaine receives new DOE funding to advance VoltturnUS floating offshore platform**

**23 Oct 2019**

The University of Maine's floating offshore wind technology demonstration project is one of two initiatives that have been awarded U.S. Department of Energy (DOE) funding. The two projects will share up to a total of \$10 million to conduct additional innovation development to reduce offshore wind energy impact and cost. The funding announcement was made during the American Wind Energy Association Offshore WINDPOWER Conference in Boston Oct. 22–23 by Daniel Simmons, DOE assistant secretary in the Office of Energy Efficiency and Renewable Energy. "These projects will be instrumental in driving down technology costs and increasing consumer options for wind across the United States as part of our comprehensive energy portfolio," said Simmons in a DOE news release. The latest DOE funding will focus on UMaine's development of an alternative VoltturnUS floating substructure design for a 10 MW to 12 MW wind turbine. Currently, a two 6 MW turbine floating offshore wind demonstration project is planned for deployment off Monhegan Island, Maine. The second project is led by Ohio-based Lake Erie Energy Development Corp. "The University of Maine is pleased and appreciative to have been selected under this national competition," said Habib Dagher, executive director of UMaine's Advanced Structures and Composites Center, and project lead in the UMaine New England Aqua Ventus project. "Our goal has been ongoing floating hull research and development that utilizes the most advanced electric power generating turbines, that will continue to increase efficiency and electricity output while reducing footprint and overall electricity cost," Dagher says. "We are hopeful we can reduce the Monhegan project from two floating platforms to a single slightly larger platform, reducing the hardware in the water, total amount of blade swept area, and impacts to the environment and fisheries." A DOE news release about the funding announcement of the two projects plus 11 others to advance wind energy nationwide is [online](#). Contact: Meghan Collins, 207.581.2117

#### **Trick or Trot on Oct. 25 at Witter Farm**

**23 Oct 2019**

The University of Maine Standardbred Drill Team invites members of the UMaine community to the annual Trick or Trot 6–8 p.m. Oct. 25 at Witter Farm in Old Town. The free event will include family-friendly activities, candy and an opportunity to meet and have photos taken with the farm's horses, cows, sheep and pigs. Students from the Maine Animal Club and the Ewe-Maine Icelandic Sheep Club are co-hosts. Donations will benefit the three student groups. More information is on [Facebook](#).

#### **UMaine's Homecoming to be celebrated Oct. 25–27**

**23 Oct 2019**

The University of Maine will celebrate Homecoming 2019 with several events on campus Friday through Sunday, Oct. 25–27. Homecoming weekend kicks off Friday afternoon with tours of the Advanced Structures and Composites Center at 1 p.m. and Emera Astronomy Center at 2 p.m. The Maine Heritage Lecture, "Protecting Wabanaki Basketmaking Traditions Threatened by an Invasive Pest: Addressing 'Wicked Problems' Through Collaborative Research" by Darren Ranco, will be at 3 p.m. in the Bodwell Lounge of the Collins Center for the Arts. The field hockey team will take on Albany at 3 p.m. and evening shows will be offered at the Emera Astronomy Center. Saturday highlights include the Alumni Village Tailgate 10 a.m.–1 p.m., UMaine football vs. William & Mary at 1 p.m., Alumni Homecoming Concert with University Singers at 5:30 p.m. in Minsky Recital Hall, and an 8 p.m. performance by singer Rosanne Cash at the CCA. The annual UMaine Alumni Association Craft Fair and Maine Marketplace will be held in the New Balance Field House, 10 a.m.–5 p.m. Saturday; 10 a.m.–4 p.m. Sunday. Various reunions and socials also are on tap throughout the weekend. More information, including a [full schedule](#), tickets and registration for events, is [online](#).

#### **Grad student writes BDN op-ed on expanding financial literacy**

**23 Oct 2019**

Robyn Young, a graduate student at the University of Maine and research assistant at Dartmouth College, wrote an opinion piece for the [Bangor Daily News](#) titled "Expanded financial literacy will boost policies aimed at helping working Maine families." Young is a member of the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members' columns appear in the BDN every other week.

#### **Maine Edge reviews SPA production of 'Rumors'**

**23 Oct 2019**

[The Maine Edge](#) reviewed the University of Maine School of Performing Arts' production of Neil Simon's farce "Rumors." Directed by Julie Arnold Lisnet, lecturer of theatre at UMaine and founding member of Ten Bucks Theatre Co., the production is staged in Al Cyrus Pavilion Theatre and will run through Oct. 27. In the play, a group of friends is assembling to celebrate the 10th wedding anniversary of Charley and Myra Brock — but Charley has been shot in the ear, and Myra and the kitchen staff are nowhere to be found. Ken and Chris try to keep the situation in check, but it quickly unravels as the other guests arrive. "There's nothing quite like the energy produced by academic theatre; 'Rumors' is a wonderful outlet for that energy," the article states.

#### **UMaine named 'most outdoorsy' school in Northeast, BDN reports**

**23 Oct 2019**

The [Bangor Daily News](#) reported the University of Maine was recently named champion of the Northeast in a monthlong challenge to get people outdoors and active. From mid-September through mid-October, participants of the Association of Outdoor Recreation and Education (AORE) Campus Challenge earned points for their school by engaging in a variety of outdoor activities, which they logged on a free mobile app, the BDN reported. "We had people out stargazing, gardening and birdwatching," said Chris Bartram, assistant director of the Maine Bound Adventure Center at UMaine. "And then we had people go out on multiday trips, sea kayaking along the coast and climbing big cliffs around the state." In addition to claiming the regional title, UMaine came in second nationally

beyond Texas Woman's University. "I just think it's really special to highlight that Maine has this deep connection and enthusiasm for outdoor recreation, and we continue to grow that community here," Bartram said. AORE also recognized UMaine senior Sierra Yost, who won Individual Environmental Champion for biking to class rather than driving a vehicle, the article states. "The challenge inspired me to bike more and track my commutes," said Yost, a chemical engineering major who lives in Orono. "It's easier to hop in my car, but it's doable to bike if I plan ahead." News Center Maine, [WVU](#) (Channel 7) and [Q106.5](#) also carried the report.

## **Blomberg, Fish speak with CBC News about woodcock migration study**

**23 Oct 2019**

[CBC News](#) interviewed University of Maine researchers Erik Blomberg and Alexander Fish for the report, "Tracking a secretive bird: Researchers join woodcock migration study." The researchers are part of an international migration study that biologists hope can shed light on the elusive game bird. As part of the study, the birds were equipped with GPS transmitters. To ensure the transmitters didn't interfere with flight and movement, the researchers tested them on pigeons caught on campus at UMaine, said Fish, a Ph.D. student in the Department of Wildlife, Fisheries, and Conservation Biology. This is the second year for the study, which has already provided some insight, the article states. "We're seeing some birds that can go, say, a distance as far as Maine to coastal North Carolina in as little as six days," said Blomberg, associate professor of wildlife population ecology. "And then there's other birds that might take six weeks to make a similar distance." Woodcock numbers have been in slow decline for more than 50 years, and Blomberg said they have dropped about 1% a year over that time.

## **Four siblings attend UMaine at the same time**

**24 Oct 2019**

When Brenda Boucher LaFrance returned to Orono in August to move her youngest daughter, Grace, into a residence hall at the University of Maine, it was *deja vu*. Not just because she is an alumna, but because she has done this two other times, with three of her older children. Brenda and Jim LaFrance of Alfred, Maine have four children — Grace, Sophia, Joanna and Garrett — all attending UMaine and thriving. Brenda graduated from UMaine in 1987 with a degree in education, and is an elementary school gifted and talented teacher, and intervention specialist. Jim LaFrance is a kitchen and bathroom designer. "Being in school with your siblings is really nice because whenever you are feeling homesick, you always have pieces of home with you," says Sophia, a third-year student who enrolled with her fraternal twin sister Joanna; both are biology majors, with concentrations in pre-med, and are in the Honors College. Garrett, a fifth-year biology major, says having his sisters at UMaine has kept him grounded "and it holds us all accountable for staying on track and keeping each other focused on our goals." And their goals are big. All four plan to pursue careers in health care. They say their inspiration stems from their compassion and desire to help and heal others. Sophia and Joanna plan to pursue careers in pediatric medicine. Garrett, who graduates in December, is headed to graduate school for a career as a physician's assistant or dentist. Grace, who was the most excited of the four to be joining her siblings, plans to be a surgeon. been left by myself with my parents for the last two (years) while they came here," says Grace, a biochemistry major with a pre-med concentration. "So I am definitely happy to get to hang out with them more than I usually do during the school year." Having family on campus has had other benefits, Sophia says. "My twin sister and I have all the same classes, and we study together for every exam. And my brother studies with us for the classes that we have together," she says. The LaFrance siblings have fully embraced the breadth and depth of the state's only public research university. Garrett says he loves UMaine's atmosphere. "There are so many clubs, groups and events to choose from, and everywhere you go there are opportunities to meet good people," he says. "I'm looking forward to seeing Grace make new friends and have a great start to her college career like I did." Sophia says working with faculty has made her UMaine experience particularly satisfying. "I love that most of the professors you have are there to help you whenever you need it," she says. "I've visited so many professors' office hours and most of them are always available to give you extra help because they also want you to succeed." "It is such a beautiful place, and it's hard not to call UMaine home (during) the eight months I'm in school," says Joanna.

## **New studies attribute warming waters, local differences in oceanography to rise and fall of American lobster populations in the Gulf of Maine**

**24 Oct 2019**

Two new studies published by University of Maine scientists are putting a long-standing survey of the American lobster's earliest life stages to its most rigorous test yet as an early warning system for trends in New England's iconic fishery. The studies point to the role of a warming ocean and local differences in oceanography in the rise and fall of lobster populations along the coast from southern New England to Atlantic Canada. One of the papers, published in the scientific journal "Ecological Applications," was led by Noah Oppenheim, who completed his research as a UMaine graduate student in 2016, with co-authors Richard Wahle, Damian Brady and Andrew Goode from UMaine's School of Marine Sciences, and Andrew Pershing from the Gulf of Maine Research Institute. They report that the numbers of young-of-year lobsters populating shallow coastal nursery habitats each year, and temperature, provide a reasonably accurate prediction of trends in the lobster fishery some four to six years later. Their model predicted regional differences in the recent record-breaking boom over the past decade, and now suggests the Gulf of Maine lobster fishery may be entering a period of decline; in effect a "cresting wave" of lobster abundance that may be heading northward in the region's changing climate. "Our model projects that the Gulf of Maine's lobster landings will return to previous historical levels," said Oppenheim, who is now executive director of the Pacific Coast Federation of Fishermen's Associations and the Institute for Fisheries Resources in San Francisco. "These results don't suggest a lobster crash, but this tool could give the fishing industry and policymakers additional lead time as they make decisions about their businesses and communities in the years ahead. "We recommend that the stock assessment community and fishery managers use this information in concert with other indicators of the health of the fishery, as an independent early warning system," Oppenheim said. The second article, led by current UMaine marine science Ph.D. student Andrew Goode, underscores the importance of local differences in the oceanography of the Gulf of Maine for understanding where the lobster boom occurred. "We suggest that this increase resulted from a complex interplay between lobster larval settlement behavior, climate change and local oceanographic conditions," wrote Goode and his co-authors in their paper published in the journal "Global Change Biology." The paper was co-authored by Brady, Wahle and Robert Steneck, all of the School of Marine Sciences. Goode and his collaborators observed that an expanded area of thermally suitable habitat for larval settlement in the eastern Gulf of Maine may have helped drive and amplify the lobster boom in the region over the last decade — a boom that elevated the fishery to its current status as the most valuable single-species fishery in the nation. This cooler deepwater habitat may provide refuge for juvenile lobster from the negative impacts of ocean warming and buffer the Maine lobster fishery from similar declines as observed in southern New England. While the paper points to a "brighter side of climate change" in this case, it does not deny the adverse effects of a warming ocean south of Cape Cod for other species. At the center of these studies is the American Lobster Settlement Index (ALSI), a long-standing shallow water monitoring study serving as an important indicator of the strength of new lobster year classes repopulating coastal nursery habitats each year. The survey generating the annual index was founded in 1989 by Wahle, a UMaine research professor, director of the Lobster Institute, and co-author of both studies. The ALSI collaborative includes government marine resource agencies, academic institutions and industry members in New England and Atlantic Canada who undertake and pay for the divers and boats to survey more than 100 sites spanning Rhode Island to Newfoundland. Wahle's lab serves as the data hub for the survey. "No one has a crystal ball, but in a field where sweeping statements are made about the global impacts of climate change, these studies underscore the importance of having a fine scale, local, understanding of both oceanography and organism biology as we project the impacts of a changing climate on the future of our coastal communities and economy," Wahle said. The University of Maine Lobster Institute serves to maximize the engagement of UMaine faculty, students and facilities with stakeholders in the lobster fishery in the U.S. and Canada. The articles can be found online at [bit.ly/oppenheim2019](http://bit.ly/oppenheim2019) and [bit.ly/goode2019](http://bit.ly/goode2019). Contact: Rick Wahle, [richard.wahle@maine.edu](mailto:richard.wahle@maine.edu); Noah Oppenheim, [noah@ifrfish.org](mailto:noah@ifrfish.org)

## **UMaine launches 'The Maine Question' podcast**

**24 Oct 2019**

The University of Maine has launched its podcast "[The Maine Question](#)." Host Ron Lisnet talks with UMaine pioneers, including those who explore backyard gardens, the depths of the oceans, Earth's highest peaks, or beyond. They'll share why they're passionate about their research and what it means for Maine and the world. In the inaugural episode, Michael Kinnison talks about environmental DNA ([Maine-eDNA](#)). This transformative tool — think of a DNA net — detects everything that's been in the water, from microbes to whales. The tool also works in snow, sediment, soil and air. Kinnison, a professor of evolutionary applications, calls eDNA a game-changer for environmental monitoring, ecological understanding and sustainability of coastal ecosystems. This season, Lisnet also talks with an assistant professor of human nutrition who makes tasty dog biscuits from green crabs; a sociologist who wrote a book about redefining the family and being child-free by choice; and the director of the Climate Change Institute who led a National Geographic and Rolex research expedition on Everest. Lisnet, who graduated from UMaine with a degree in forestry, manages visual media at his alma mater, does radio play-by-play for the men's basketball team, and acts in local theatre productions. Find the podcast on [iTunes](#), [Google Play](#), [SoundCloud](#), [Stitcher](#), [Spotify](#) and The Maine Question [website](#). New episodes will be added every other Thursday. Give them a listen. And we welcome your Maine questions and topics of interest at [mainequestion@maine.edu](mailto:mainequestion@maine.edu). Contact: Ron Lisnet, [lisnet@maine.edu](mailto:lisnet@maine.edu), 207.581.3779

## **Agriculture symposium for military veterans Oct. 26 in Augusta**

**24 Oct 2019**

Maine AgrAbility and United Farmer Veterans of Maine will host a symposium for military veterans and their partners involved in agriculture, and veterans exploring opportunities in agriculture 9 a.m.–3 p.m. Oct. 26 at the Maine Army National Guard Armory in Augusta. "Educate-2-Cultivate" will focus on business development skills and assistive technology designed to support safe and effective farming practices. Veterans will be partnered with business mentors in individualized sessions, examine financial management techniques, and receive training on a variety of relevant assistive technologies. The event also includes a resource fair, gift bags and door prizes. For more information or to request a reasonable accommodation, contact Anne Devin, 207.991.2651; [anne.devin@maine.edu](mailto:anne.devin@maine.edu). Additional information is on the UMaine Extension [website](#). Maine AgrAbility is a program of the University of Maine Cooperative Extension and Alpha One. Additional support for the event is courtesy of the Maine 4-H Foundation.

## **Spire, a conservation and sustainability journal, seeks submissions**

24 Oct 2019

Have a [photo spread](#) that highlights plastic waste and the ocean environment? An [article](#) about forming a writing community to engage with environmental topics? Or a five-year [data analysis](#) about energy savings from installing a home heat pump? “Spire: The Maine Journal of Conservation and Sustainability” would like to hear from you. Spire’s editorial team at the University of Maine invites submissions for the fourth issue of the online journal, planned for release in spring 2020. [Issue 3](#), released October 2019, is now live. Spire staff members seek voices from a diverse range of people throughout Maine and the Northeast. Join its mission to galvanize action for conservation and sustainability by promoting impactful, awareness-raising dialogue. Submissions should in some way concern the environment, conservation and/or sustainability — whether it’s current developments, ongoing issues, scientific findings or artistic insights on environmental themes. Work that can be broadly connected to Maine is encouraged. Visit the [website](#) to explore past issues for insight into the range of work included in the journal, as well as [guidelines](#) for submitting. Jan. 31 is the deadline for submissions. Send submissions, questions and expressions of interest to join the team to [spire@maine.edu](mailto:spire@maine.edu).

#### Study finds conservation enables Caribbean reef to recover, Penobscot Bay Pilot reports

24 Oct 2019

[Penobscot Bay Pilot](#) published a University of Maine news release about research by Bob Steneck, a University of Maine professor of marine sciences, that found even with ocean warming, coral bleaching and an intense hurricane, local conservation actions helped a Caribbean coral reef ecosystem rebound in about a decade. Steneck began studying coral reefs off the island of Bonaire, near Venezuela in the Dutch Caribbean, in 2002. For more than 15 years, Steneck and a team of graduate students regularly monitored the live coral, algae, reef fishes and juvenile corals at multiple locations. Their goal was to document trends of key ecosystem drivers. Steneck said the long-term case study shows that management at the local level can improve conditions for regrowth and for the establishment of juvenile corals, thereby enhancing the recovery resilience of these endangered ecosystems.

#### Castine Patriot reports on 4-H club’s trip to Penobscot farm

24 Oct 2019

[Castine Patriot](#) reported the Peninsula Explorers, a youth club sponsored by 4-H and Blue Hill Heritage Trust, recently visited Horsepower Farm in Penobscot for gleanings and a lesson in outdoor cooking. Peninsula Explorers, now in its second year, was formed to connect youth with the outdoors and community members, according to the article.

#### Media report on DOE funds awarded for wind turbine development

24 Oct 2019

The [Portland Press Herald](#), [WVII](#) (Channel 7) and the Associated Press reported the University of Maine was awarded roughly \$5 million to continue development of a floating platform to support up to a 12-megawatt wind turbine. The grant was awarded to UMaine’s Advanced Structures and Composites Center, which has developed two similar platforms capable of holding smaller, 6-megawatt turbines planned for deployment off the coast of Monhegan Island as a demonstration project, according to the Press Herald. UMaine was among 13 projects that received a total of \$23 million. The \$5 million grant will allow designers to refocus efforts on a single-platform design, instead of creating two smaller turbines linked together. The precise funding amount and structure of the grant is expected to be finalized in the coming months, the Press Herald article states. “We are hopeful we can reduce the Monhegan project from two floating platforms to a single slightly larger platform, reducing the hardware in the water, total amount of blade swept area, and impacts to the environment and fisheries,” said Habib Dagher, executive director of the UMaine Composites Center. [USA Today](#), [San Francisco Chronicle](#), [Bangor Daily News](#), [News Center Maine](#) and [WGAN](#) carried the AP report, and [Windpower Engineering & Development](#) published the DOE news release.

#### Wall Street Journal quotes Socolow in article about NBC News chief

24 Oct 2019

[The Wall Street Journal](#) quoted Michael Socolow, an associate professor of communication and journalism at the University of Maine, in the article “NBC News chief signed new deal as Weinstein, Lauer allegations brewed.” Some staffers at NBC News said they feel a wholesale change in management is needed given the string of public missteps that the division has weathered in recent years, the article states. “Frankly, in light of all the miscues, I’ve wondered how the leadership of that place survives,” Socolow said of NBC News.

#### Dill speaks with BDN about spider species found in Maine

24 Oct 2019

The [Bangor Daily News](#) interviewed Jim Dill, a pest management specialist with the University of Maine Cooperative Extension, for the article, “Maine is home to hundreds of spider species. Here’s a guide to the ones you might find.” In Maine, spiders are relatively harmless to people, according to Dill. While the bites of some species can cause allergic reactions, none of Maine’s native spiders are considered to pose a serious threat to humans, the BDN reported. On rare occasions, two of the country’s most poisonous spiders — the black widow and brown recluse — have accidentally been transported to Maine from southern states in produce shipments and construction materials, Dill said. But these species are unable to gain a foothold in the state because of the cold winters, the article states. The article also cited a UMaine Extension [fact sheet](#) about the fishing spider. They aren’t known to be aggressive to humans, but they will bite if provoked, and their bite hurts like a bee sting, according to the bulletin. However, their venom won’t cause a problem unless a person is specifically allergic to it.

#### WVII covers symposium on Maine’s new forest economy

24 Oct 2019

[WVII](#) (Channel 7) reported on a symposium on Maine’s new forest economy held at the University of Maine. The event was sponsored by UMaine, the Maine Forest Products Council and Forest Opportunity Roadmap/Maine (FOR/Maine). Politicians, industry leaders, researchers and landowners met to discuss how to build on the state’s history with new technology and a roadmap for where the state’s industry should go next, [WVII](#) reported. Experts said wood is a replacement for some fossil fuel-derived products. “It’s building on what we have always been global leaders in and that’s pulp and paper and lumber. People forget that Bangor, Maine was once the lumber capital of the world,” said Steve Schley, FOR/Maine Executive Committee chair.

#### Researchers predict end of state’s lobster boom, media report

24 Oct 2019

The [Portland Press Herald](#), [Mainebiz](#) and Associated Press cited University of Maine research in an article about the future of Maine’s lobster industry. A new study led by UMaine alumnus Noah Oppenheim, executive director of San Francisco’s Institute for Fisheries Resources, predicts lobster landings will fall 20–40% in the next four to five years in much of eastern Maine, and by over 90% in the eastern part of Penobscot Bay. Forecasts in the study, which Oppenheim conducted with colleagues at UMaine and the Gulf of Maine Research Institute, are based on an improved version of the current lobster forecasting model, according to the article. “I always emphasize that we don’t have a crystal ball here, but by and large the model appears to be performing pretty well and it does point to a pretty widespread downturn,” said co-author Rick Wahle, professor and director of the Lobster Institute at UMaine. Another paper by Wahle and several other UMaine researchers suggests that as the Gulf of Maine has warmed, the area of thermally appropriate baby lobster habitat has expanded. This, according to the UMaine team, may explain why eastern Maine has seen the sharpest increase in landings in recent years but also might offer hope that there are a lot more healthy infant lobsters settling in the sea than the new forecasting model assumes. “Those forecasts may be overly pessimistic if this deepwater settlement is offsetting those severe declines we predict based on shallow-water settlement alone,” Wahle said. “So that’s the uncertainty that we are left with at this moment, so to some extent we have to take a wait-and-see approach to this.” [Undercurrent News](#) and [Island Institute](#) also reported on the studies, and [Boothbay Register](#), [Coastal News Today](#), [Phys.org](#) and [ScienceDaily](#) published the UMaine news release. [Saving Seafood](#) carried the Phys.org post. [The Washington Post](#), [News Center Maine](#), [Portland Press Herald](#), [Fosters.com](#) and [Saving Seafood](#) carried the AP article.

#### Celebrate Homecoming, Stein Society at pub party Oct. 26

25 Oct 2019

UMaine Dining invites you to raise a stein to dear old Maine at its inaugural Party at the Pub, celebrating the launch of the University of Maine Stein Society 5–8 p.m. Oct. 26 in the Class of 1944 Bear’s Den Café & Pub in the Memorial Union. The Stein Society



membership is for people age 21 and older. The first year of membership through October 2020 is \$30; \$25 for annual renewal. Each member will get a 22-ounce numbered stein at the Bear's Den Cafe & Pub, and receive alerts of new beers on tap and special events. Members also receive "birthday bucks" for discounts on food in the pub. "The pub wanted to offer an option for people to gather around a shared love — microbrew beers — in a relaxed environment here on campus," said Norbert Henkel, associate director of UMaine Dining. "We chose to do steins instead of mugs or pints because of the university's history with the stein." New Stein Society members will be entered into a drawing for stein No. 1. The event will kick off the Bear's Den Cafe & Pub's Brewer's Night Series. Representatives from Geaghan Brothers Brewing Co. will talk about their beers, including "Stein Song," now on tap in the pub. More information about the UMaine Stein Society is [online](#).

#### **Homecoming, 'Rumors' included in BDN roundup of weekend events**

**25 Oct 2019**

Events at the University of Maine were mentioned in a [Bangor Daily News](#) roundup of things to do in eastern Maine the weekend of Oct. 26–27. The article mentioned the School of Performing Arts production of "Rumors," a classic farce by Neil Simon, as well as Homecoming. The BDN cited the football game with tailgating, the annual Craft Fair and Maine Marketplace at the Field House, tours of various UMaine facilities and musical performances.

#### **UMaine Extension garlic resources cited in Free Press gardening column**

**25 Oct 2019**

The University of Maine Cooperative Extension was mentioned in a gardening column published by [The Free Press](#) about wrapping up for the season. One end-of-the season gardening chore the author mentions is planting garlic. While it may be difficult to find seed garlic at this late date, she writes, UMaine Extension posts a list of sources [online](#).

#### **Knight speaks with BDN about feral livestock**

**25 Oct 2019**

Colt Knight, assistant professor with the University of Maine Cooperative Extension and Maine state livestock specialist, was interviewed by the [Bangor Daily News](#) for the article, "Feral livestock — hogs included — can cause massive environmental crop damage." While there is no legal definition for feral livestock, it is generally accepted that any domesticated animal that can survive and reproduce on its own without human intervention has gone feral, according to the BDN. "One loose animal is not feral," Knight said. "But once they can make it on their own, they are considered feral [and] that can happen within one generation from escape." The two best examples of feral livestock in the United States, according to Knight, are swine and horses. Feral descendants of once domestic Eurasian boars that were introduced in the 1800s are causing major damage in New Hampshire and Vermont, according to federal wildlife officials. Although no populations of feral hogs have moved into Maine, Knight says it could just be a matter of time until they do. "The cold winters in Maine have helped keep them out so far," he said. "But [hogs] are a remarkably adaptable animal and I would assume in time they will be here [and] when they arrive it will not take them long to become a serious issue in the state."

#### **UMaine receives \$1 million pledge from Pratt & Whitney for engineering center**

**25 Oct 2019**

A \$1 million pledge from Pratt & Whitney for the E. James and Eileen P. Ferland Engineering Education and Design Center (Ferland EEDC) was announced on Friday, Oct. 25, as part of University of Maine Homecoming Weekend by College of Engineering Dean Dana Humphrey and University of Maine Foundation President Jeff Mills. Pratt & Whitney will name the center's Machine Tool Suite, featuring more functional, updated space for mechanical engineering technology students to develop production and manufacturing skills. It will feature open workspace, computer-controlled milling machines and lathes, tool crib, applied research lab, and a computer-aided drafting/computer-aided manufacturing classroom. "This gift will allow our mechanical engineering technology students to gain the hands-on experience that they need to be effective from day one in their careers. It is so appropriate that Pratt & Whitney named this space since they hire so many of our engineering graduates. I am deeply grateful for the strong and long-standing relationship between UMaine engineering and Pratt & Whitney," says Dana Humphrey, dean of the College of Engineering. Pratt & Whitney's previous support for UMaine Engineering includes a \$100,000 gift in 2015, which provided scholarships and equipment for UMaine's MET program. "UMaine has a 99% placement rate for engineering graduates in careers or graduate school," says UMaine President Joan Ferrini-Mundy. "As a corporate leader in engineering, Pratt & Whitney understands the value of career-ready engineers. This gift moves our project forward, and supports our goals of fostering learner success and bringing research into the classroom. We are deeply appreciative of Pratt & Whitney's vision and support of the future of engineering education in Maine." Ferland EEDC is the highest capital priority for UMaine's Vision for Tomorrow Campaign, led by the University of Maine Foundation. This pledge brings the total amount raised in support of the new facility to over \$67 million, which includes over 400 gifts from alumni, friends, foundations, corporations and UMaine employees, \$50 million invested by the state of Maine, and principal gifts of \$10 million from James Ferland '64 and Eileen Ferland, \$1.5 million from the Gustavus and Louise Pfeiffer Research Foundation, \$1 million from the Abbagadasset Foundation and \$1 million from the Packaging Corporation of America. The expected cost is \$75 million to \$77 million. Groundbreaking for the center is planned in spring 2020, with anticipated completion in 2022. Naming gift opportunities are still available. For more information about giving to the University of Maine, contact the University of Maine Foundation, 207.581.5100 or [online](#). Contact: Margaret Nagle, 207.581.3745

#### **Ben Leary and Caleb Bailey: Early College advantage sets students on path to success**

**25 Oct 2019**

Earning a bachelor's degree in three years and getting a head start on a dream career is the focus of two University of Maine students. For Ben Leary, a chemical engineering major, the Early College partnership between UMaine's College of Engineering and Thornton Academy, a private school in Saco for grades six–12, was crucial to his success in college and on his career path. "It's one of the best decisions I've made," says Leary, who also is taking courses to prepare for veterinary school. "I'll be able to jump into vet school early." Likewise, Caleb Bailey, also a Thornton Academy graduate, came to UMaine as a first-year sophomore, starting in the engineering physics program. He soon discovered he loved physics so much that he switched his major to physics. He's also working toward a mathematics minor. Leary learned about the program his first year at Thornton, and organized his schedule for the next three years to accommodate as many Advanced Placement (AP) classes as possible — calculus, chemistry, computer science, physics, English, foreign languages, history/social science, humanities and an Honors Introduction of Engineering course, the equivalence of 30 college credits. This allowed him to effectively complete a full year of college coursework before earning his high school diploma, saving time and thousands of dollars worth of tuition, room and board, and the other costs associated with attending college. The AP class format also prepared him well for academics and expectations in college. "AP is a very different environment from a normal class," says Leary. "It's the closest thing to college you can have in high school." Leary came to UMaine as a first-year student with sophomore standing. Now going into his third year, he is on track to graduate in spring 2020. And while vet school is not for everyone, Leary says early college can benefit anyone interested in higher education because it will help them save money and enter their chosen career a year early. Leary chose the chemical engineering program both out of a love for chemistry and as a way to ensure he will have a career if the veterinary path derails for unforeseen reasons. He also would consider working as an engineer in the oil or gas industries as a career option. In that case, "I'll have a strictly job-related degree to fall back on," he says, since the engineering program is providing him with concrete skills to succeed in the workforce. Leary works part time at Networkmaine, a company that supplies internet to Maine schools and libraries. He logs hours at its on-campus office in Neville Hall between classes and at night, and appreciates the flexible hours that meld with his class schedule so he can maximize his time. He also works as an assistant at two veterinary clinics in the summer. While he cannot perform surgery or other tasks yet without certification, he learns from and works alongside doctors and technicians. Leary's eventual goal is to be a surgeon in an emergency veterinary clinic, and he can see himself working at one of the Saco clinics after earning his Doctor of Veterinary Medicine degree. Leary is one of eight siblings and loves spending time with his family. He also has a newfound passion for canning and hopes to make more pickles this summer. Like Leary, Bailey worked with his guidance counselor to create a schedule that would accommodate all the AP classes to cover the first year of college, including an English class through Southern Maine Community College. Bailey says he was interested in taking most of those classes for their own sake anyway, so it made sense to try the Early College program and get the most out of the experience. Bailey took his first physics class his sophomore year of high school and something clicked. "I like the mathematical application, and the theoretical application, and how it reflected reality in an odd, convoluted way," he says. That course used a flipped classroom model in which students learned material at home and came to school prepared to discuss it, much like in college. Bailey says the experience sparked his interest in physics and prepared him to study and learn off campus later on. By his senior year of high school, he was taking calculus-based physics and was fascinated by the in-depth approach to the subject and the focus on abstract applications of theories. "I like more diving into the subject than problem-solving with engineering," he says of his decision to switch majors. "Learning why something works is far more interesting (to me) than learning the way something works." Bailey says he would "absolutely" recommend Early College to others. It prepared him well for college — his takeaway is that home is not only for homework but is the place learning first occurs, and that knowledge is then applied, expanded on and reinforced in class, just like in college. Saving money was a plus for Bailey, too. "That helped an incredible amount," he says. "I was able to get by with minimal loans." Bailey has been involved with the Society of Physics Students, and works various jobs in the summer. After he graduates next spring, he plans to earn a master's degree. "I want to keep learning and diving deep into whatever field of physics I choose," Bailey says. Ideally, he wants learning to be his job, with a focus on research. "It was awesome," Leary says of his Early College experience. "I absolutely recommend it." Across the University of Maine System, nearly 3,000 students were enrolled in Early College during the 2017–18 academic year. The UMaine Early College program reaches over 300 students in more than 90 high schools across the state of Maine. Currently, more than 40 courses (live and online) are being offered this summer, and over 70 courses (live and online) this fall. For more information about UMaine's Early College options, visit the program's [website](#), contact Allison Small, Early College coordinator, at 207.581.8004, [allison.small@maine.edu](mailto:allison.small@maine.edu) or email [um.earlycollege@maine.edu](mailto:um.earlycollege@maine.edu). Contact: Cleo Barker, 207.581.3729

#### **UMaine Hutchinson Center to offer workshop on critical thinking**

**28 Oct 2019**

In partnership with the Maine Business School at the University of Maine, the UMaine Hutchinson Center in Belfast will offer an introductory workshop in a new professional development program, "Improving Personal and Business Effectiveness through Critical

Thinking,” 8:30 a.m.–4 p.m. Nov. 1. The workshop is particularly pertinent for nonprofit leaders, business leaders, educators, municipal officials, and others interested in critical thinking and how to improve their personal and business effectiveness. Participants will learn about critical thinking and the role of assumptions. They will increase understanding of how their assumptions operate, learn and practice ways of surfacing assumptions in themselves and others, gain greater freedom to choose and revise their assumptions, and improve communications through mindfulness of assumptions. The program fee is \$150 per person, and includes a continental breakfast and catered lunch. Need-based scholarships are available. Certificates for seven contact hours will be awarded at the end of the workshop. Applications for continuing education units (.7) will be available. For more information, or to request a reasonable accommodation or scholarship application, contact Michelle Patten, 207.338.8002; [michelle.patten@maine.edu](mailto:michelle.patten@maine.edu).

## **Marty Stuart, global orchestra to highlight November CCA performances**

**28 Oct 2019**

The Collins Center for the Arts at the University of Maine is offering a variety of performances throughout the 2019–20 season. November events will include a musical adaptation of popular TV show “The Office,” a concert from a Canadian orchestra with a global focus, a performance by country singer-songwriter Marty Stuart and more. Touring production “The Office! A Musical Parody” will come to the CCA at 3 p.m. Nov. 3. Currently playing off-Broadway in New York City, this show is the unauthorized parody of the hit TV show “The Office.” It’s a regular morning at paper company Dunder Mifflin until, for no logical reason, a documentary crew begins filming the lives of the employees. Favorite moments from all nine seasons are mashed up into one “typical” day with Michael, Jim, Pam, Dwight and others at The Office. The Jupiter String Quartet will perform in Minsky Recital Hall at 7:30 p.m. Nov. 8. Consisting of violinists Nelson Lee and Meg Freivogel, violist Liz Freivogel and cellist Daniel McDonough, this tight-knit ensemble is firmly established as an important voice in the world of chamber music. In addition to their performing career, they are Artists-in-Residence at the University of Illinois at Champaign-Urbana, where they maintain private studios and direct the chamber music program. The concert is a selection in the John I. and Elizabeth E. Patches Chamber Music Series; a reception for patrons and artists will follow. Kuné — Canada’s Global Orchestra will take the stage at 8 p.m. Nov. 15. The orchestra was developed from a major initiative by The Royal Conservatory of Music in Toronto to explore and celebrate Canada’s cultural diversity and pluralism — Kuné means “together” in Esperanto. The ensemble seeks to communicate in ways that words, politicians and spiritual leaders cannot, and to help find that common language through music. Have you ever wanted to see an alligator, or a 20-foot snake? Meet these creatures and more when “Rainforest Reptiles” comes to the CCA at 3 p.m. Nov. 17. A fun, interactive program featuring live animals from around the world, Rainforest Reptile Shows has been teaching audiences about animals — including their habitats, defense mechanisms and natural diets — since 1993. Founders Michael Ralbovsky and Joan Gallagher, along with the Rainforest Team, have more than 100 years of combined experience working with exotic animals. But the real stars of the show are the animals themselves and their unique stories. And at 7 p.m. Nov. 20, country music torchbearer Marty Stuart and His Fabulous Superlatives will give a performance celebrating the 20th anniversary of Stuart’s iconic album “The Pilgrim.” The Grammy Award-winning singer-songwriter and musician is living, breathing country music history, and he will share his remarkable life through story and song on the CCA stage. Two recorded productions will be shown as part of the National Theatre (NT Live) series, which includes plays that are filmed in front of a live audience, transmitted via satellite to the CCA, then projected onto a high-definition screen — one of the largest in the state. When filmed, cameras are carefully positioned throughout the theatre to ensure cinema audiences get the best-seat-in-the-house view. “One Man, Two Guvnors” will be shown at 7 p.m. Nov. 1, followed by “A Midsummer Night’s Dream” at 7 p.m. Nov. 21. Live broadcasts from The Metropolitan Opera will continue, with “Manon” at 1 p.m. Nov. 2, “Madama Butterfly” at 1 p.m. Nov. 16, and “Akhmat” at 1 p.m. Nov. 23. For more information, to view the full season schedule or to purchase tickets, visit the CCA [website](#).

## **The Guardian quotes Fried in article on ranked-choice voting in New York City**

**28 Oct 2019**

[The Guardian](#) quoted Amy Fried, professor and chair of the political science department at the University of Maine, in an article about New York City considering adopting ranked-choice voting. This could address the problem of large numbers of candidates running for the same position, which can result in the “spoiler effect” — when a vote is split between multiple candidates with similar ideologies, leading to a candidate with an opposing platform to win, according to The Guardian. This happened in Maine during the state’s 2010 gubernatorial race, when Paul LePage won with just over 38% of the vote. “There was a political sensibility that said here’s this person who was never terribly popular, wins with two pluralities, extremely extemporaneous governor and candidate, and yet he wins,” said Fried. Many voters were upset that LePage won without a majority, according to Fried, which happened again during LePage’s reelection in 2014 and led to the introduction of ranked-choice voting in the state. The system was used in Maine congressional races for the first time during the 2018 midterms and will be used in the 2020 general election for president, the article states.

## **Maine Public interviews Wahle about new lobster studies**

**28 Oct 2019**

[Maine Public](#) interviewed Rick Wahle, a research professor in the University of Maine School of Marine Sciences and director of the Lobster Institute at UMaine, about two new studies of lobsters along the northeastern Atlantic coast. Wahle is an author of both studies, which look at possible reasons for the dramatic rise in Gulf of Maine population beginning in the ’90s, and why those numbers could start to decline over the next several years, Maine Public reported. “In the Gulf of Maine, what we’ve seen is sort of the brighter side of climate change, if you will, in that the same warning that was going on in southern New England was actually bringing the Gulf of Maine and especially the eastern Gulf of Maine into more favorable temperatures for lobster settlement,” Wahle said. “And ultimately, that area explained the biggest part of the boom that really elevated our fishery to its current status as the most valuable fishery in the nation right now.” According to Wahle, the areas that saw the biggest increases also will see the biggest declines — but not necessarily a collapse. “Maine’s harvesters have really led the way in terms of being stewards of this fishery. We have some of the most conservative conservation measures,” Wahle said. “Having those measures in place can help offset the adverse effect of a warming climate, and forestall some of these declines we may be talking about.”

## **BDN speaks with Glover for opinion piece on Bangor City Council race**

**28 Oct 2019**

A [Bangor Daily News](#) editorial about the Bangor City Council race quoted Rob Glover, an associate professor of political science at the University of Maine. In this year’s election, 11 residents are running for four seats on the nine-member council, the most candidates on the ballot in the 35 years of records. According to Glover, the 2016 elections reminded people that elections have consequences and could have led to the growing number of local candidates nationwide. “Since then, we’ve seen a redoubled commitment to political awareness but even more so political action — volunteering, canvassing, phone banking, voter registration efforts, and increasingly in those running for public office. So while politics is nasty, many view that as an invitation to engage rather than something that would dissuade,” he said. And traditional “gatekeepers” like party committees, party leadership or informal networks of elites no longer exercise the control they once had, making it easier to run for office, according to Glover.

## **Media report UMaine engineering center receives \$1 million gift**

**28 Oct 2019**

The [Portland Press Herald](#), [Mainebiz](#) and the Associated Press reported the University of Maine has received a \$1 million gift for a new engineering center that will include space for mechanical engineering technology and manufacturing skills. The gift from aerospace company Pratt & Whitney will help fund construction of a machine tool suite in the E. James and Eileen P. Ferland Engineering and Design Center, according to the article. “This gift will allow our mechanical engineering technology students to gain the hands-on experience that they need to be effective from day one in their careers,” said Dana Humphrey, dean of the College of Engineering, in a release. “It is so appropriate that Pratt & Whitney named this space since they hire so many of our engineering graduates. I am deeply grateful for the strong and long-standing relationship between UMaine engineering and Pratt & Whitney.” The engineering center is currently the highest capital priority for UMaine’s Vision for Tomorrow campaign — more than \$67 million has been raised to date of the estimated cost of about \$75 million, according to the Press Herald. “This gift moves our project forward, and supports our goals of fostering learner success and bringing research into the classroom,” said UMaine President Joan Ferrini-Mundy, who noted that UMaine has a 99% placement rate for engineering graduates in careers or graduate school. “We are deeply appreciate of Pratt & Whitney’s vision and support of the future of engineering education in Maine,” she said. [Centralmaine.com](#) published the Press Herald article, and [Bangor Daily News](#), [News Center Maine](#), [WABI](#) (Channel 5), [Maine Public](#), [Houston Chronicle](#) and [Miami Herald](#) carried the AP report.

## **Biddle wins research award for article examining Coladarci’s work**

**29 Oct 2019**

A paper co-authored by University of Maine assistant professor of educational leadership Catharine Biddle won the Howard A. Dawson Best Research Paper Award at the recent National Rural Education Association annual convention in Louisville, Kentucky. Biddle is lead author of “On Resisting ‘Awayness’ and Being a Good Insider: Early Career Scholars Revisit Coladarci’s Swan Song a Decade Later,” co-written by Daniella Hall Sutherland of Clemson University and Erin McHenry-Sorber of West Virginia University. The article is a critical examination of a 2007 piece written by UMaine professor emeritus of education Theodore Coladarci, his last work as editor of the Journal of Research in Rural Education. “It is a piece that has been used to introduce newcomers to the field of rural education research,” Biddle and her co-authors write. “As such, it has significantly shaped the rural education research community over the last 10 years.” In his article, Coladarci put forth a series of standards by which he felt rural education scholars could best evaluate and advance the field. These standards included more and better descriptions of the rural context in which research takes place, being explicit about framing research questions with a rural focus, and making “the rural argument” — that is, justifying why it is central to their scholarship. Biddle, Sutherland and McHenry-Sorber explore how Coladarci’s article has influenced rural education studies by reviewing its citations over the decade since it was published. They then discuss what other standards might help define the study of rural education, which Coladarci had invited in his piece. Among their recommendations is that researchers undertake projects that are critical to rural communities, rather than simply rural in focus. “By reframing the objective of rural research from creating uniquely rural claims to instead providing knowledge relevant to rural communities, we as a field enable greater participation while ensuring critically needed reciprocity with the communities we study,” Biddle and her colleagues argue. The

article is available on the Journal of Research in Rural Education [website](#).

#### **Tony-winning lighting designer Don Holder to speak Nov. 1**

**29 Oct 2019**

University of Maine alumnus and Tony Award-winning lighting designer Don Holder will give a public talk Nov. 1 at his alma mater. “From UMaine to Broadway: A discussion with lighting designer Don Holder” will be held 2–3:30 p.m. in Hauck Auditorium. The event is free and open to the public. For more information or to request a reasonable accommodation, call 581.1781. Holder will speak about his career on and beyond Broadway, as well as his time at UMaine. Holder has designed 58 Broadway productions. He is the recipient of two Tony Awards for “The Lion King” and “South Pacific,” as well as 13 Tony nominations. Other recent credits include several productions at the New York Metropolitan Opera, seasons one and two of the NBC drama “Smash,” and Warner Bros. Pictures’ “Ocean’s Eight.” Holder graduated from UMaine in 1980 with a degree in forestry before earning a master’s degree from the Yale School of Drama. He currently is head of lighting design at Rutgers University.

#### **BDN, AP report on Bussiere’s 3D-printed prosthetic for duck**

**29 Oct 2019**

The [Bangor Daily News](#) and Associated Press reported on a 3D-printed prosthetic leg for Faith, a Mallard duck who lost her leg in a fox attack. The prosthetic is being created by Paul Bussiere, 3D printing lab manager at the University of Maine Advanced Structure and Composites Center. “I have eight 3D printers at my house,” said Bussiere. “I’m also a pet lover and can see that [Loni Hamner, who adopted the duck] really loves this duck and that she wants it to have a great quality of life.” Bussiere has researched models of duck feet and what kind of composite materials will work best for the prosthetic, which he said must be the perfect combination of strength and flexibility. [Maine Public](#) carried the AP report.

#### **Forecaster announces Cumberland County Master Gardener Volunteer program accepting applications**

**29 Oct 2019**

The [Forecaster](#) announced the University of Maine Cooperative Extension Master Gardener Volunteer program in Cumberland County is accepting applications. Applications are available [online](#) now through Dec. 16. All classes will be held at the University of Maine Regional Learning Center in Falmouth beginning Feb. 6. The Forecaster reported. Participants will receive 60 hours of in-depth training in the science of horticulture and will be expected to share their time and expertise with the community. For more information, contact Pamela Hargest at 781.6099; [pamela.hargest@maine.edu](mailto:pamela.hargest@maine.edu).

#### **Washington Post publishes Socolow’s op-ed on televised sports**

**29 Oct 2019**

The [Washington Post](#) published an opinion piece by Michael Socolow, an associate professor of communication and journalism at the University of Maine. The piece is titled “Why boxing disappeared after the Rumble in the Jungle — and why football could, too.”

#### **Morning Ag Clips advances UMaine Extension farm food safety course**

**29 Oct 2019**

[Morning Ag Clips](#) advanced a University of Maine Cooperative Extension Produce Safety Alliance grower training course offered in two locations. The course will be offered from 8:15 a.m. to 5:15 p.m. Nov. 8 at Saco City Hall (snow date Nov. 15), and from 8:15 a.m. to 5:15 p.m. Dec. 6 at the Waldo County Extension office in Belfast (snow date Dec. 13). The course provides a foundation for farm food safety best practices and coordinated management information, as well as information about Food Safety Modernization Act requirements, and details on Produce Safety Rule requirements. There will be time for questions and discussion, so participants should be prepared to share experiences and ask questions, the article states. The course fee is \$25 and includes a training manual and lunch; [online](#) registration is required by Dec. 2. For more information or to request a reasonable accommodation, contact Theresa Tilton, 942.7396; [theresa.tilton@maine.edu](mailto:theresa.tilton@maine.edu).

#### **WABI, WVII cover 14th annual Clinical Geriatrics Colloquium**

**29 Oct 2019**

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) covered the 14th annual Clinical Geriatrics Colloquium at the University of Maine on Oct 28. This year’s event focused on innovations in dementia care. “Maine is the oldest state in the nation based on median age, and we are the most rural state in the nation,” said Lenard Kaye, professor of social work and director of the UMaine Center on Aging. “So, folks as they grow older in Maine have a high risk of being isolated and disconnected from services and support from the community. For someone with dementia that can be extremely disastrous.” According to organizers, this has been the biggest conference yet with about 200 people in attendance. “The goal is to educate and ensure that the state of Maine is well informed and well aware of all of the issues that both challenge older adults as well as the opportunities that are available,” said Kaye. “The best way in which a policymaker can come to understand the implications of a public health challenge and issue is to hear those who are confronted with it day in and day out.”

#### **Mainebiz interviews engineering faculty about Transportation Infrastructure Durability Center projects**

**29 Oct 2019**

[Mainebiz](#) interviewed Habib Dagher, executive director of the University of Maine Advanced Structures and Composites Center, about the Transportation Infrastructure Durability Center, a collaboration of New England universities led by UMaine. The center seeks to identify new materials and technologies that maximize transportation infrastructure investment, according to Mainebiz. “There are hundreds of thousands of bridges and roads in need of repair. The DOTs are scraping for money just to keep things rolling,” said Dagher. The TIDC is funded by a \$14.2 million, five-year U.S. Department of Transportation grant and based at the UMaine Composites Center. The center comprises six New England universities, which partner with state transportation agencies in five New England states, and the American Society of Civil Engineers Transportation and Development Institute, Mainebiz reported. “We have a long history of working on these issues, and we have a well-known reputation of having made a big difference nationally in transportation-related research,” Dagher said. The goal of the center is to extend the life of existing infrastructure and construct new, longer-lasting assets. Currently the center has 26 projects throughout New England using 28 faculty researchers and 280 student researchers, according to the article. Mainebiz also spoke with Roberto Lopez-Anido, Malcolm G. Long Professor of Civil and Environmental Engineering at UMaine and the principal investigator for a TIDC project at Penobscot Narrows Bridge. The high-priority project is focused on assessing six composite strands that are part of the bridge. “The intent is to determine if the novel composite strands are performing the way they’re supposed to be,” said Lopez-Anido. “We’re trying to see if there are any changes over time. The intent is to guarantee the longevity of the system. We know the material does not corrode,” he said. “And we’re thinking some of the data can be interesting for the public. For example, in the observation tower, we can have a monitoring screen where people can see real-time information on loads on stresses. They’ll be able to see it’s a living structure.” William Davids, chair of the Civil and Environmental Engineering Department, is working with his students on field-testing weight and flexing capacity of cast-in-place concrete T-beam bridges, a common structure. About two-thirds of the time, testing outcomes have allowed MDOT “to say, ‘Hey, this bridge is okay. We don’t need to post or strengthen it,’” said Davids. “That has implications for infrastructure longevity and costs.”

#### **UMaine to offer MBA discount for Maine employers**

**29 Oct 2019**

The University of Maine Graduate School of Business will offer 12% tuition discounts toward the MaineMBA beginning January 2020. The Workforce Partners Program, which is available to active members of any Maine chamber of commerce, improves access and affordability toward completion of the MaineMBA. According to recent studies, over the past year, Maine had more than 2,000 open positions requiring graduate-level education. By leveraging the resources of the Graduate School of Business and chambers around the state, this program will equip Maine’s current workforce with the knowledge and skills necessary to fill these critical roles. “This program is even more incentive for Maine employees to take advantage of the opportunities of the highly ranked MaineMBA,” says Michael Weber, dean of the Graduate School of Business. Since 1964, UMaine’s MBA has cultivated today’s leaders. Following a recent merger with the University of Southern Maine graduate business program, the newly redesigned MaineMBA is a degree for the future. In addition to providing a breadth of knowledge in areas including management psychology, marketing strategy, and accounting principles, the MaineMBA offers unique concentrations for students who want a tailored educational experience. Concentrations in business analytics, finance, health care management, and accounting are just a few of the tracks that students can explore. Participants in the Workforce Partners Program will pay less than \$12,000 in tuition to complete the MaineMBA. “Thanks to partners like the University of Maine System, our members can advance themselves to the MBA level within their business field of expertise and save on tuition,” says LaNiece Sirois, president of the Aroostook County Chamber of Commerce. “It is exciting to celebrate the ability to offer an added level of benefits to our members. The value of an investment in their chamber just increased.” More about the Workforce Partners Program and the MaineMBA is [online](#). Contact: Nick Fraunfelder,

## **CUGR announces 2019–2020 academic year fellowship winners**

**30 Oct 2019**

The University of Maine's Center for Undergraduate Research (CUGR) has announced the recipients of the 2019–2020 Academic Year Research and Creative Activities Fellowships. The fellowships were developed to enhance and increase undergraduate student involvement in faculty-mentored research. Each fellowship provides a \$1,100 award for the student to help cover project costs. Funding for the fellowships is provided by the UMaine Office of the Vice President for Research and College of Engineering. The winners are:

- Megan Arseneault, chemistry, "Determination of Lactic Acid to Improve Quality of Biodegradable Polymers," advised by Brian Frederick.
- Brianna Ballard, history, "The Presence of Black Sea Bass within the Archaeological Record and its Effects on Land Settlement Patterns," advised by Bonnie Newsom.
- Jessica Beneski, zoology, "A Comparative and Genomic Analysis of Mammalian Bladder Phenotypes," advised by Danielle Levesque.
- Olivia Bradstreet, fine arts, "Paper, Pulp, and Place: Investigating Connection Through Process Art," advised by Ronald Nadeau.
- Cole Butler, mathematics, "Nodal Network Model of Zika and Chikungunya in Colombia," advised by Brandon Lieberthal.
- Jacob Cote, microbiology, "The Role of Prophage in Mycobacterial Antibiotic Resistance," advised by Sally Molly.
- Dominique DiSpirito, political science, "Testing the Waters of Natural Resource Management: A study on the management values of Acadia National Park's key stakeholders," advised by Katharine Ruskin.
- Maddie Eberly, forestry, "Feedbacks Between Wood Structure and Function Driving Forest Tree Responses to Extreme Drought," advised by Jay Wason.
- Natalie Harmon, Earth and climate sciences, "First Row Transition Element Analysis of Eclogites," advised by Alicia Cruz-Urbe.
- Aldous Hofmann, botany, "Quantifying Leaf Structural and Morphological Variation in Wild Blueberries for Precise Management," advised by Yongjiang Zhang.
- Patrick Hurley, ecology and environmental sciences, "Mites, Camera, Action: Assessing current varroa mite treatment trends for beekeepers in Maine," advised by Julia McGuire.
- Miranda Jacques, biomedical engineering, "An Array of Synthetically Produced Fluorescent Biomarkers for Monitoring Neutrophil Behavior in the Non-Specific Immune Response," advised by Matthew Brichacek.
- Marissa Kinney, microbiology, "Investigating the Potential Relationship Between Black Soldier Fly Larvae Reared on Potato Scrap Substrate and the Suppression of Gram-Positive Bacteria," advised by Edward Bernard.
- Jordan Miner, biomedical engineering, "Imaging Zebrafish with Duchenne Muscular Dystrophy using Second-Harmonic Generation to Evaluate Myosin Structure," advised by Karissa Tilbury.
- Noah Moring, business, "The Effective Marketing of Products, Services, and Events towards College Students," advised by Stefano Tijerina.
- Leigh Neptune, food science and human nutrition, "Nonverbal Displays of Pride and Shame in LGBT Populations," advised by Mollie Ruben.
- Abigail Novak, ecology and environmental sciences, "Investigating the Environmental Impacts of Absciscic Acid Levels in Soybean Drought Response," advised by Yongjiang Zhang.
- Shannon O'Grady, animal and veterinary sciences, "Predictors and Impacts of Haemsporidian Parasite Infections in Barn Owls (Typo alba)," advised by Pauline Kamath.
- Sophie Palangas, communication sciences and disorders, "Assessing Health Related Quality of Life, Language Impairment, and Psychosocial Factors in Post-Stroke Aphasia," advised by Christopher Grindrod.
- Olivia Reese, media studies, "Speak Softly and Carry A Selfie-Stick: Understanding risk in selfie-behaviors in National Parks," advised by Judith Rosenbaum-Andre.
- Anna Schumann, molecular and cellular biology, "The Role of BPs' gp33 Immunity Repressor in the Downregulation of M. Chelonae Genes," advised by Sally Molloy.
- Samuel Varga, finance, "How Speculative are Different Sectors of the Stock Market?" advised by Grant Miles.
- Michelle Ward, psychology, "Influence of Personality Differences on Dementia Caregiver Burden," advised by Fayeza Ahmed.
- Ben Williams, biochemistry, "Enteric Microflora Dysbiosis: Impact on sleep fragmentation, and mild cognitive impairment in aging adults," advised by Marie Hayes.

For more information, visit the CUGR [website](#) or email [cugr@maine.edu](mailto:cugr@maine.edu).

## **UMaine Extension offers produce safety course for fruit, vegetable growers**

**30 Oct 2019**

Maine residents who want to develop a farm food safety plan are invited to take the University of Maine Cooperative Extension's Produce Safety Alliance grower training course in Saco or Belfast. In Saco, the course will be offered from 8:15 a.m. to 5:15 p.m. Nov. 8 (snow date Nov. 15) at Saco City Hall, 300 Main St; register [online](#) by Nov. 4. In Belfast, it will be offered from 8:15 a.m. to 5:15 p.m. Dec. 6 (snow date Dec. 13) at the Waldo County UMaine Extension office, 992 Waterville Road; register [online](#) by Dec. 2. The course provides a foundation for farm food safety best practices and coordinated management information, as well as information about Food Safety Modernization Act requirements, and details on Produce Safety Rule requirements. There will be time for questions and discussion, so participants should be prepared to share experiences and ask questions. The \$25 fee includes a training manual and lunch. For more information or to request a reasonable accommodation, contact Theresa Tilton, 207.942.7396, [theresa.tilton@maine.edu](mailto:theresa.tilton@maine.edu).

## **Fuller to speak at North Chesterville Extension Homemakers meeting, Daily Bulldog reports**

**30 Oct 2019**

The [Daily Bulldog](#) reported David Fuller, agriculture and nontimber forest products professional with University of Maine Cooperative Extension, will give a talk titled "Identifying and Products from Balsam Fir" at the North Chesterville Extension Homemakers meeting on Nov. 19 at the Chesterville Town Office. The meeting will be held beginning at 6:30 p.m., with Fuller's talk starting at 7 p.m. This event is free and open to the public.

## **Times Record advances aquatic insect talk by Greig**

**30 Oct 2019**

The [Times Record](#) advanced a talk about aquatic insects by Hamish Greig, an assistant professor of stream ecology at the University of Maine on Nov. 13. The 7 p.m. talk, "Bugs of the Bay," is the second presentation in Friends of Merrymeeting Bay's 23rd annual Winter Speaker Series and will be held in the Morrill Meeting Room of Curtis Memorial Library in Brunswick. Greig will provide an overview of his research on the diverse aquatic insect communities of Merrymeeting Bay's tidal freshwaters and the role that tidal hydrology plays in species distributions. He also will reveal discoveries of a dragonfly Species of Greatest Conservation Need not previously recorded in Sagadahoc County and discuss ideas for future research in the area, the article states.

## **Penobscot Times mentions UpStart Center in article on gift box business**

**30 Oct 2019**

The [Penobscot Times](#) mentioned the UpStart Center for Entrepreneurship in Orono, a University of Maine-run incubator program with a diverse mix of companies, in an article about an expansion of Box of Maine. The company offers customizable gift boxes filled with Maine items, from blueberry soap to whoopie pies and red hot dogs. Box of Maine operates mostly online, but will open a new Old Town location on Nov. 1, and plans to hire two more full-time employees in addition to their current one before the holiday season, The Penobscot Times reported. Daniel Finnemore founded the business in 2017 at his home in Old Town, then joined the UpStart Center to help educate himself more on running and growing the business, the article states.

## **The County previews Aroostook County Extension annual meeting**

**30 Oct 2019**

The [County](#) previewed the annual meeting of the Aroostook County Extension Association to be held Nov. 7 at the Aroostook Shrine Club in Presque Isle. The business meeting will be preceded by a 5:30 p.m. social and a 6 p.m. dinner. Cost of the dinner is \$5 per person, free for children; reservations are required. The theme is celebrating University of Maine Cooperative Extension's "Expanded Food and Nutrition Education Program (EFNEP) — 50 Years" and celebrating 4-H annual achievements, the article states. Kate Yerxa, statewide EFNEP coordinator and associate Extension professor, will be the guest speaker. The program and meeting are open to the public. For more information, call 532.6548 or 800.287.1469.

## **WAGM quotes Johnson in report on rotating crops**



30 Oct 2019

[WAGM](#) (Channel 8 in Presque Isle) quoted Steven Johnson, crops specialist with University of Maine Cooperative Extension, in a report on rotating crops. Rotating crops serve many purposes, and the practice is part of a scientific program at UMaine Extension in Presque Isle where various crops are planted and studied. “It’s a three-year study, and so there’s a mirror of potatoes and small grains on the other side,” said Johnson. Seed for a future year’s crop are often sown when the current crop is planted, according to the report.

#### News Center Maine covers UMaine Extension ‘recipe to market’ seminar in Ellsworth

30 Oct 2019

[News Center Maine](#) covered a “recipe to market” seminar hosted by the University of Maine Cooperative Extension in Ellsworth on Oct. 29. The seminar was designed to give small businesses the opportunity to learn about the right way to market their products. “These are people that started around a passion for food,” said Jim McConnon, Extension business and economics specialist and a professor of economics at UMaine. Attendees included companies that have been releasing products for years and individuals with a passion and skill for cooking. The goal was to help small local businesses break into the industry, News Center Maine reported.

#### CUGR, Maine Space Grant Consortium announce undergraduate awards

30 Oct 2019

The University of Maine’s Center for Undergraduate Research (CUGR) and the Maine Space Grant Consortium (MSGC) have announced the MSGC Undergraduate Fellowship Award recipients for the 2019–2020 academic year. The purpose of the MSGC fellowship and scholarship programs at UMaine is to provide research opportunities to undergraduate and graduate students in aerospace technology, space science, Earth science, human exploration/space development, and other science- or engineering-related fields. The applications were jointly reviewed by CUGR and MSGC. Selected projects are awarded \$1,100 each. The winners are:

- Oisín Biswas, biomedical engineering, “Surface Contamination Detection Method Using Structural Color Analysis,” advised by Caitlin Howell.
- Benjamin Chasse, biomedical engineering, “A Nature-Inspired Non-Invasive Compound Detection System,” advised by Caitlin Howell.
- Chris DeMarchi, mechanical engineering, “Simulating Varying Hydrogen Flow Patterns in Solar Powered Lunar Oxygen Production,” advised by Justin Lapp.
- Sean Detwiler, mechanical engineering, “Humanoid Robot Simulator of Torso and Arms for the Testing of Wearable Robotics,” advised by Babak Hejrati.
- David Fitzpatrick, engineering physics, “A Hybrid Thermochemical and PSA Process of Air Separation,” advised by Justin Lapp.
- Rosamond Hickey, chemical engineering, “Using Patterned Release Paper as Low-Cost, Portable Microdroplet Generators for Advanced Diagnostics,” advised by Caitlin Howell.
- Abram Karam, civil engineering, “Second-order Derivatives of Nonsmooth Functions with Applications in Engineering,” advised by Peter Stechliniski.
- Li Mackenzie Ladd, mechanical engineering, “Integrating Electrical Components in Compliant Mechanics,” advised by Aaron Joy.
- Lindsey Lagerstrom, psychology, “Practicing Telemental Health Care in Maine,” advised by Fayeza Ahmed.
- Henry Laurita, zoology, “Patch, Pattern and Preference — The Power of Shape to Modify Honeybee Foraging Behavior,” advised by Julia McGuire.
- Hua Lin, engineering physics, “Silicon-Carbide Nanowires and Thin Films for Sensing Strain and Pressure in Harsh Environments,” advised by Sheila Edalatpour.
- Jacob Marchio, engineering physics, “Design and Construction of a Computer Controlled Astronomical Spectropolarimeter,” advised by Sam Hess.
- Savannah Michaud, psychology, “Emerging Neuroimaging Technology in Category Learning Research,” advised by Shawn Ell.
- Nicholas Soucy, physics, “THED: Thermal Hand Experience Device,” advised by Nimesha Ranasinghe.
- Amelia St. John, microbiology, “Investigating the Role of Group B Streptococcus Prophages on Bacterial Fitness and Virulence,” advised by Melody Neely.
- Tom Szewczyk, biology, “Lymphatic System as a Conduit for Immune Cells and Lipid Communication in Fat,” advised by Kristy Townsend.
- Dylan Taplin, biology, “The Role of Bone Morphogenetic Proteins on Lipid and Glucose Sensing in Tancocytes,” advised by Kristy Townsend.
- Deven Teisl, ecology and environmental sciences, “Tapping the Sweet Spot — Predicting the Suitability of a Woodlot’s Potential to Transition into a Productive Sugarbush in Maine,” advised by Jessica Leahy.
- Basel White, biomedical engineering, “The Applications of Machine Learning to the Tissue Segmentation of Grayscale Mammograms,” advised by Andre Khalil.

More information about the fellowship and MSGC is available on the CUGR [website](#) or by emailing [cugr@maine.edu](mailto:cugr@maine.edu).

#### Gresham to be honored at New York nonprofit’s Heroes Reception

31 Oct 2019

Mary Gresham, interim dean of the College of Education and Human Development, is being recognized Nov. 7 for her service and leadership by a Buffalo, New York-based agency that helps families, schools and communities raise successful children. Gresham is this year’s recipient of the Robert L. Wilson Award for Exceptional Service and Leadership, which will be presented by Every Person Influences Children (EPIC) at the group’s annual Heroes Reception. The organization will also honor two other people and two organizations at the reception. The award Gresham will receive is named for EPIC’s founder, Robert Wilson, who established the nonprofit in 1980, three years after his wife was murdered by a 15-year-old neighbor and family friend. Investigators found the boy had experienced neglect, abuse and placement in nearly a dozen different foster homes. According to the EPIC website: “While it was too late to change what had happened to his wife, Wilson felt that it was not too late for others.” Today EPIC offers trainings and workshops aimed at involving entire communities in helping children succeed and grow into responsible adults. Its programs include parenting education, family engagement, youth services and professional development for agencies and individuals who work with children and families. Prior to becoming interim dean of the College of Education and Human Development, Gresham was a longtime administrator at the University at Buffalo, State University of New York. More information about EPIC and its Heroes Reception is available [online](#).

#### UMaine researchers explore promise of augmented reality in helping students with autism improve reading skills

31 Oct 2019

Augmented reality tools have the potential to help students with autism spectrum disorder (ASD) improve their ability to read and understand texts, according to a new paper by three University of Maine scholars. Sarah Howorth, Deborah Rooks-Ellis and Sara Flanagan are all assistant professors of special education in the College of Education and Human Development. Rooks-Ellis is also director of the Maine Autism Institute for Education and Research. Their article, “Augmented Reality Supporting Reading Skills of Students with Autism Spectrum Disorder,” was published online recently by the journal *Intervention in School and Clinic*. It was co-authored with Min Wook Ok of the University of Hawaii at Manoa. Students with ASD may encounter a variety of problems learning to read, including issues with word identification and comprehension. These difficulties can often be alleviated with the use of assistive or adaptive technology. One example of a technology that has been shown to help individuals with autism is video modeling (VM). Students watch video of themselves or another person demonstrating a particular literacy skill before practicing it themselves, which helps them develop the skill on their own. However, some students have trouble staying focused on video models. Howorth, Rooks-Ellis, Flanagan and Ok explore the use of augmented reality in conjunction with VM. Augmented reality, or AR, allows people to experience an enhanced real-world environment by adding computer-generated information, including audio, visual and other stimuli to their surroundings. (One example from popular culture is the Pokémon Go game for smart phones and other mobile devices.) Because AR technology is so new, the authors say additional research is needed to determine its precise effects, however early tests show promise for helping students with ASD learn to read. “Many AR applications exist that allow teachers to control the video content being modeled during reading instruction,” they write. “Teachers can help students maintain their attentional focus on VM through the use of AR tools.” The article lists several examples of AR tools that educators can use to add flashcards, 2D or 3D objects, as well as simple drawings or demonstration videos to video models. The authors discuss how one such app, HP Reveal, can be applied when working with students on the autism spectrum. For instance, they describe how to use the app to teach phonics and word identification, support reading fluency, embed video into texts as cues for reading comprehension, and more. “These types of interactive applications promote student motivation, communication, and interaction and make learning fun,” they write. Though the potential is great, Howorth, Rooks-Ellis, Flanagan and Ok say AR tools may not be suitable for every student. Like all instructional technologies, they say the needs and goals of the learner should come first. The article is available [online](#). Contact: Casey Kelly, 207.581.3751

#### Move beyond ‘fake news,’ dig into media literacy, cognitive bias

31 Oct 2019

Judith Rosenbaum, Alan Berry and Jennifer Bonnet will present “Beyond ‘fake news’: Digging into media literacy and cognitive bias” 4:45–6 p.m. Nov. 4 in Fogler Library Classroom 1. The free public workshop will include a lecture and hands-on activities.

Participants will learn how to critically evaluate news production and consumption and explore how one's preferences play a role in their news selection. Rosenbaum is an associate professor in the University of Maine Department of Communication and Journalism, Berry is a doctoral student in the Department of Communication and Journalism, and Bonnet is a social sciences and humanities librarian at Fogler Library. Attendance is first come, first served; space is limited. For more information or to request a reasonable accommodation, contact Jen Bonnet, 581.3611; [jenbonnet@maine.edu](mailto:jenbonnet@maine.edu).

#### **Advertiser Democrat interviews two new employees hired at Oxford County Extension**

**31 Oct 2019**

[The Advertiser Democrat](#) reported University of Maine Cooperative Extension in Oxford County has recently hired two new staff members. Emma Fournier joined the organization in July as a horticulture community education assistant, focusing on residential/consumer programs through outreach and by request. "I help homeowners with their questions, providing publications and helping identify plants and insects," said Fournier. For example, the University of Maine Cooperative Extension Diagnostic and Research Laboratory in Orono "will ID insects by looking at bite marks on leaves, which helps us determine integrated pest management practices for the homeowner," said Fournier, who studies horticulture at Southern Maine Community College. She also assists with workshops, such as a backyard poultry workshop led by Colt Knight, UMaine Extension livestock specialist. And Sarah Johnson was hired as a UMaine Extension 4-H professional about a month ago. In addition to the organization's traditional emphasis on agriculture, STEM (science, technology, engineering and math) education has become a major component of 4-H activities, according to the article. "Our STEM tool kits are designed to promote inquiry-based learning," said Johnson. "We use them for students from kindergarten through high school. Give kids a problem and let them work out their own way to solve it." Johnson also sees community outreach to underserved areas as a critical part of her job, the article states. "I want to reach more people with 4-H opportunities, especially the more rural areas of Oxford County where access to resources may be limited," she said. "Every day is different. There are lots of different pieces to Cooperative Extension. It really keeps me on my toes."

#### **Hutchinson Center to co-host arts conference focused on opioid epidemic, The Free Press reports**

**31 Oct 2019**

[The Free Press](#) reported the University of Maine Hutchinson Center, Belfast Creative Coalition and R.A.W. Restorative Art Works will host the first annual Arts in Action Project and Conference Nov. 1-3 in Belfast. The conference, titled "What's Art Got to Do with It?" is intended to "summon the power of the arts to address our opioid epidemic," the article states. Events slated for the conference include an opening keynote and a performance from the play "Chasing the New White Whale — Harpooning Addiction" on Nov. 1, and a day of "artivism" workshops at the Hutchinson Center on Nov. 2. More information is available [online](#) or by calling 218.1144.

#### **WABI speaks with Ph.D. student about citizen data, natural disaster mapping research**

**31 Oct 2019**

[WABI](#) (Channel 5) spoke with Iranga Subasinghe, a Ph.D. student in spatial information science at the University of Maine, about his research on mapping natural disasters in real time using citizen data. The project, also led by Silvia Nittel, associate professor in spatial informatics at UMaine, uses a 2018 mudslide in California as a case study. The researchers hope to create accurate maps of dangerous areas using input from citizens that can be used to help them reach safety or help rescuers navigate, WABI reported. "We cannot expect a lot of input because people are panicked. They have other things to do while the natural disaster is happening," said Subasinghe of the software program, which is designed to work even with a limited amount of data.

#### **Scientific American quotes Beal in article on green crabs**

**31 Oct 2019**

[Scientific American](#) quoted Brian Beal, a professor of marine ecology at the University of Maine at Machias, in the article "Harm to Table: Turning an Invasive Crab into a Delicacy." Local conditions will continue to promote green crab population surges as ocean waters warm faster in the Gulf of Maine than almost anywhere else in the world, the article states. "They have higher predation rates" in warm conditions, said Beal. "They produce more offspring. They have higher survival rates." While a soft-shell European green crab fishery probably will not mitigate the crabs' considerable damage to clam fisheries, producing a market for them is a good way to put them to use, according to Beal. And "they taste great," he said.

#### **Maine Public, WABI report on tuition cut for out-of-state MBA students**

**31 Oct 2019**

[Maine Public](#) and [WABI](#) (Channel 5) reported the University of Maine System is drastically cutting tuition for out-of-state students pursuing a Master's in Business Administration as part of an effort to increase enrollment. Beginning in January, out-of-state MBA students will see their tuition decline by nearly half, Maine Public reported. According to WABI, that could increase the percentage of out-of-state students in the program from 4% up to 20% in the next two years. "In today's MBA market, people are looking for high-quality programs that are also really affordable," said Michael Weber, dean of the University of Maine Graduate School of Business. By lowering tuition, Weber said the hope is that more students with different backgrounds will come to the school. "That helps Mainers understand business outside of Maine. How does Maine compete in an international environment? That way the students are learning more from just a professor in that type of environment," said Weber. "At the same time we're doing some good things for our in-state students as well," said UMaine President Joan Ferrini-Mundy. "We've offered a new discounted rate, discounted by 12% to students that are part of organizations that are part of the Maine Chamber of Commerce. And therefore we'll be able to bring our students who are inside of Maine as well to this MBA program."

#### **UMS Chancellor brings unified accreditation plan to UMM, Machias Valley News Observer reports**

**31 Oct 2019**

[Machias Valley News Observer](#) reported University of Maine System Chancellor Dannel Malloy presented a "unified accreditation" plan for the flagship university in Orono and the seven satellite campuses last week to an audience of about 40 faculty, students and administrators. University of Maine and University of Maine at Machias President Joan Ferrini-Mundy, and UMM Head of Campus Daniel Qualls were in attendance, according to the article. Unified accreditation would preserve the geographical and educational integrity of each university campus, but would integrate features such as administration and budget to ensure the viability of all those campuses, according to Malloy.

#### **What's it like on Everest? Find out Nov. 15 from CCI researchers**

**31 Oct 2019**

Six University of Maine explorers will talk about their experiences participating in the most comprehensive scientific expedition ever conducted on Mount Everest. A free, public panel discussion, "The University of Maine's Role in the National Geographic and Rolex's Perpetual Planet Extreme Expedition to Mount Everest," will be held 1:45-2:45 p.m. Friday, Nov. 15, in the McIntire Room at Buchanan Alumni House. [Registration](#) for the free event is required. Major expedition goals included understanding change in climate, water availability, and the role of human impacts on one of the planet's most severe environments. UMaine President Joan Ferrini-Mundy will introduce Paul Andrew Mayewski, director of the Climate Change Institute and professor in the School of Earth and Climate Sciences. Mayewski was the Everest Expedition leader and lead scientist for the international project involving 55 science partners, National Geographic staff, journalists, Sherpas and porters. Everest is the most iconic mountain in the world and, for decades, adventurers have been lured to the culture, geography and challenges posed by the mountain and the region, says Mayewski. He will present a 15-minute overview of the two-month expedition prior to the panel discussion. In addition to Mayewski, panelists and expedition participants will include: Aaron Putnam, assistant professor in the CCI and the School of Earth and Climate Sciences; Mariusz Potocki, Heather Clifford and Peter Strand, Ph.D. candidates in the CCI and School of Earth and Climate Sciences; and Laura Mattas, M.S. student in the CCI and School of Earth and Climate Sciences. A video, photographs, a summit suit, a drill used to secure the highest ice core in the world, and other items from the expedition will be displayed. For additional information, read the [National Geographic](#) and [UMaine Today](#) stories. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

#### **UMaine launches First Gen Celebration Week**

**04 Nov 2019**

The University of Maine Division of Lifelong Learning has partnered with the Division of Student Life to launch the UMaine First initiative and inaugural First Gen Celebration Week. The event, supported by the Alton '38 and Adelaide Hamm Campus Activity Fund, will take place Nov. 4-9. First Gen Celebration Week is an opportunity to bring awareness to first-generation students at UMaine, the challenges they face and the supports necessary to help them succeed. Last year marked the launch of the First-Year Student Success Initiative, recognizing the significant effect the first-year experience has on retention. As the first in their families to go to college, first-generation students often face unique barriers to higher education. The goal of UMaine First is to help these students feel

supported at the university and set them up for success. “We know that at the University of Maine we retain first-gen students at a lower rate than the rest of the student population,” says Monique LaRocque, associate provost for the Division of Lifelong Learning. “We believe we can do better. It is important for first-gen students to know that roughly 25% of students at UMaine, as well as many faculty and staff at UMaine are also first generation. UMaine First seeks to build awareness of this larger community, and to empower first-gen students to advocate for the support and resources they need to be successful and thrive at the university.” Nov. 8 has been deemed the annual National First-Generation College Celebration day to honor the anniversary of the signing of the Higher Education Act of 1965. UMaine will extend this celebration throughout the week with refreshments, prizes, entertainment and conversation in the Memorial Union. “We encourage all first-gen students, faculty and staff to join us during First-Generation College Celebration Week. Be a part of this inaugural event. Be UMaine First proud,” LaRocque says.

## **College of Education and Human Development opens Parenting Relationships Research Lab**

**04 Nov 2019**

Being a parent is a dynamic and complex part of life. A new initiative in the College of Education and Human Development at the University of Maine aims to build knowledge about the relationships at the center of the parenting experience. The Parenting Relationships Research Lab was created by assistant professor of family studies Daniel Puhlman, whose research explores co-parenting and fathering. The lab will focus on all relationships involved in parenting, especially parents’ relationship with their children and parents’ relationships with each other, but also grandparents, extended family members, teachers and other caregivers. “We know that when parents have strong and healthy relationships with those around them, especially immediate family, children benefit and grow to be happy and healthy adults,” Puhlman says. The Parenting Relationships Research Lab in 229 Merrill Hall will have a ribbon-cutting ceremony and open house at 4 p.m. Wednesday, Nov. 6. For more information or to request a reasonable accommodation, email Puhlman, [daniel.puhlman@maine.edu](mailto:daniel.puhlman@maine.edu). Puhlman currently is researching how parents experience gatekeeping behavior from their partners and the impact it has on those relationships. Another project aims to understand how professionals who work with children and families, such as lawyers, judges, guardians and counselors, view the needs of high-conflict co-parents. Besides serving as a home for Puhlman’s research, the lab will be a center for community outreach. It is collaborating with Scarborough-based Kids First, which provides support to families experiencing divorce and separation, on program evaluation and the development of an app for the agency and its clients. Puhlman has recruited a team of six undergraduate and graduate students to assist with research and outreach at the lab. UMaine students can earn course credit through either field experience or independent study as part of the lab’s work. “We want to work with community organizations and agencies that are interested in using research to develop programming that supports healthy parenting relationships,” says Puhlman, a trained marriage and family therapist.

## **King Chair community workshop to focus on ‘Othello,’ ‘othering’**

**04 Nov 2019**

Shakespeare’s “Othello” and the concept of “othering” is the focus of a free, public workshop Nov. 6 at the University of Maine. “Others, Othering, and ‘Othello,’” sponsored by the Stephen E. King Chair in Literature, will be held 5:30–7:30 p.m. in the Al Cyrus Pavilion Theatre. In this performance-based workshop, participants will explore the characters of “Othello,” and the ways in which they “other” one another. How do race, gender, religion and class function in the play, and what can be learned by exploring scenes from one of Shakespeare’s greatest tragedies? Participants will dig into the meaning of the text by considering its metrical and rhetorical components, then move out to the broader context of performing “Othello” in today’s environs. No need to read anything in advance — just come ready to play and to be played to. Due to the mature subject matter of the play, this workshop is not recommended for children younger than 14. Sarah Enloe and Cordell Cole will lead the workshop. Enloe is director of education at the American Shakespeare Center (ASC) in Staunton, Virginia, home to the world’s only re-creation of the Blackfriars Playhouse, the indoor theatre in which Shakespeare and his company performed. She was named teacher of the year in Texas and continues to impact learners, teachers and communities through her position at the ASC. Its mission is to recover the joys and accessibility of Shakespeare’s theatre, language and humanity by exploring the English Renaissance stage and its practices through performance and education. Cole earned a bachelor’s in fine arts in acting from the Gainesville Theatre Alliance at Brenau University. He has performed all over the country, including at the Texas Shakespeare Festival, the Utah Shakespeare Festival, Georgia Shakespeare, the American Players Theater, and the ASC. For more information or to request a reasonable accommodation, contact Caroline Bicks at [caroline.bicks@maine.edu](mailto:caroline.bicks@maine.edu), 207.581.3819. More about the workshop and Stephen E. King Chair Lecture Series is [online](#).

## **BDN, Morning Ag Clips advance ‘Barbecue 101’ workshop**

**04 Nov 2019**

The [Bangor Daily News](#) and [Morning Ag Clips](#) advanced the University of Maine Cooperative Extension’s “Barbecue 101” workshop 6:30–8 p.m. Nov. 15 at the Pilot Plant and Commercial Kitchen in Hitchner Hall at UMaine. BDN Homestead writer Sam Schipani met with Colt Knight, state livestock specialist and assistant professor with Cooperative Extension, to get firsthand help. Morning Ag Clips ran the media release. For more information and to register, go [online](#).

## **Bangor radio station publicizes Culturefest**

**04 Nov 2019**

The Bangor radio station [Z107.3](#) promoted Culturefest 2019 that kicks off at 11 a.m. Nov. 9 at the New Balance Student Recreation Center. The Office of International Programs and the International Student Association host the free daylong celebration of cultures with exhibits, a food court, children’s activities, live demonstrations, and a traditional style show.

## **Socolow tackles TikTok in Politico piece**

**04 Nov 2019**

[Politico](#) published Michael Socolow’s piece “The Trouble with TikTok: Journalists should not be promoting a platform with a documented history of political censorship.” While the quirky videos may seem relatively harmless, the University of Maine associate professor wrote that TikTok “relies on its users’ ignorance of its origins and practices. How many teens, or journalists, are aware TikTok’s Chinese parent company, ByteDance, paid what was at the time the largest fine in Federal Trade Commission history for invading the privacy of underage users?” Socolow, a media historian, wrote that all social media — whether TikTok, Weibo, Facebook or Twitter — privilege state or corporate authority above the public’s interest. That makes them terrific vehicles for advertising and propaganda. It also means the need for independent, comprehensive and critical reporting about these apps is vital. Watching journalists vie to become ‘TikTok famous’ like high school teenagers isn’t encouraging.”

## **Hafez to develop nanocellulose-based system to remove arsenic from drinking water**

**04 Nov 2019**

Islam Hafez will develop a nanocellulose-based point-of-use purification system that removes arsenic from drinking water. The United States Department of Agriculture awarded the postdoctoral researcher in the School of Forest Resources at the University of Maine \$132,403 for the two-year project. The university is contributing \$67,216 toward the project. “I like my work to be meaningful,” says Hafez, who seeks to apply science to real-world problems. “I want to feel like I’m contributing to improving people’s health and the environment.” Arsenic, which occurs naturally in rocks and soils, is a threat to public health in the United States and many other countries. It’s recognized that at least 140 million people in 50 countries have been drinking water containing arsenic at levels above 10 µg/L (the allowable level of arsenic in drinking water). In the U.S., arsenic has been associated with severe health problems, including cancers, respiratory diseases and neurological problems. A large number of people living in the U.S., especially in rural and suburban areas with wells, are still exposed to levels greater than 10 µg/L, says Hafez. Hafez expects the nanocellulose-based purification system to be low-cost, lightweight, strong and efficient. Nanocellulose — which is made from plant matter — is 1/100,000th the width of a human hair. His goal is to develop the new purification system and to increase the system’s technology-readiness level for commercialization. And he’s got an ideal spot in which to do that. Hafez is a member of Mehdi Tajvidi’s Laboratory of Renewable Nanomaterials (LRN) at UMaine. The lab specializes in alternative applications of cellulose nanomaterials, with an emphasis on large-volume production and end uses. Hafez will work with Tajvidi, whose research group has been awarded more than \$3.2 million in grant funding to advance the science and technology of renewable nanomaterials. Hafez also will work with Aria Amirbahman, a professor of civil and environmental engineering; and Jinwu Wang, a research forest products technologist at UMaine and a research scientist with the USDA Forest Service. The team is collaborating with A.O. Smith Corp., a \$3 billion global water treatment company based in Wisconsin. In addition to removing arsenic from drinking water, Hafez says the project is expected to reduce forest fires and boost the bio-based economy, thereby helping to revitalize the forest industry. Wildfire is generally a result of accumulation of forest biomass, says Hafez. Using forest overgrowth to produce nanocellulose could improve forest health and reduce forest management expenses. In 2017, for instance, forest fire costs totaled more than \$2.4 billion, according to the USDA. Hafez earned his doctorate at the University of Minnesota. William Tze, Hafez’s adviser there, was awarded his Ph.D. in forest resources in 2003 at UMaine. This research aligns with the University of Maine System [Research and Development Plan](#). Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## **Hannah Nadeau: Nursing student on mission to help people, reduce food waste**

**04 Nov 2019**

Hannah Nadeau of Litchfield, Maine spent her summer immersed in research to help solve the issue of food waste. And her interest in nursing brought a unique perspective to the project. “Nursing is a passion for me because every day I will get to help others. I cannot wait for the highs and lows that come with the job, and the ability to be there for someone on the potentially worst or best days of their lives,” says the junior nursing major. “At times we are not only caregivers, but we step into the role of mothers, friends,

secret keepers, and any other type of support system imaginable.” In addition to helping people, Nadeau also is captivated by the scientific aspect of nursing. “Learning about the human body and what it can do is truly mind-blowing. The science and reasons behind what nurses do, from simply the questions that we ask to the medications we give, is fascinating,” Nadeau says. This was the second summer that she worked on the interdisciplinary research project, titled “Making Maine’s Local Food System Sustainable: Opportunities to Address Hunger and Reduce Waste through a Multi-Site, Interdisciplinary Team.” The research team is looking at food waste and its creation along all parts of circular food systems, and is led by UMaine faculty members Deborah Saber, Cindy Isenhour, Travis Blackmer, Linda Silka, Jean MacRae and Balunkeswar Nayak. “We look at finding ways to create food diversion within Maine rather than food waste,” says Nadeau, who had the opportunity to participate in this research as a Top Scholar in the School of Nursing. Saber, an assistant professor in the School of Nursing, is Nadeau’s research mentor and adviser. Last summer Nadeau created a database on how food is disposed of, and why it is disposed of in certain ways, in hospitals. “This data allows us to look at the reasons behind food disposal in hospitals in order to make changes toward a circular food system that specifically addresses the needs of these facilities,” she says. This summer, Nadeau helped mentor the research team, guiding the members with their writing, research, presentations and any challenges they faced along the way. “The most interesting part of working with my peers on their individual research is that I am able to help bring them together as a group in order to see the connections between their research, helping them understand why one project is important to the next,” Nadeau says. “Through working as an interdisciplinary team we are able to see how multifaceted problems need diverse solutions that pull knowledge from different specialties. It has been amazing to help create personal connections as a group and see the passion these students have for helping create change within the state of Maine.” Outside the classroom, Nadeau enjoys outdoor activities like hiking at Acadia National Park and spending weekends at Sugarloaf. One of her favorite places in the Orono area is the Bog Boardwalk. “I absolutely love the UMaine community,” says Nadeau. “After one week at UMaine my freshman year I was hooked! Everybody was extremely welcoming and I have never made so many friends so quickly. I love everything from the atmosphere on campus to the housing available off campus and the town of Orono itself. There are also so many opportunities available at UMaine for those looking to become involved in anything from campus activities to research. Many of these opportunities available at UMaine are also inclusive in the aspect that they are available for freshmen and seniors alike.” Contact: Cleo Barker, 207.581.3729

#### **Slow-smoked barbecue focus of UMaine Extension workshop Nov. 15**

**05 Nov 2019**

University of Maine Cooperative Extension will offer a workshop on slow-smoked meats 6:30–8 p.m. Friday, Nov. 15 at UMaine’s Pilot Plant and Commercial Kitchen in Hitchner Hall on the Orono campus. An opening reception begins at 6 p.m. “Barbecue 101” participants can learn about the science of slow-smoked meats, how to set up a barbecue with the best woods for smoking, and recipes for dry rubs and barbecue sauce. Participants also will get hands-on experience preparing whole chickens and pork spare ribs and shoulders for the barbecue. Instructors are Colt Knight, UMaine Extension livestock specialist and assistant professor; and Robert Dumas, UMaine food science innovation coordinator, facility manager for the School of Food and Agriculture, and certified executive chef. The \$40 per person fee includes lunch; [online](#) registration is required. The optional text, “Butchering Poultry, Rabbit, Lamb, Goat and Pork” by Adam Danforth, can be purchased from [UMaine Extension Publications](#). For more information or to request a reasonable accommodation, contact Melissa Babcock, 207.581.2788, melissa.libby1@maine.edu. More information also is [online](#). This is one in a series of planned Extension “Meat Science” workshops. The next in the series, “Sausage 101,” is scheduled for Dec. 12.

#### **Students to lead literacy activities at Old Town Elementary**

**05 Nov 2019**

Preservice teacher candidates from the University of Maine’s College of Education and Human Development will put some of what they are learning in their literacy methods courses into practice 5–6:30 p.m. Thursday, Nov. 7 at literacy night at Old Town Elementary School. Nearly 30 UMaine students will facilitate 14 reading and language arts lessons, including tongue twisters, rhyming games, news literacy, comprehension strategies and readers’ theatre activities. The night is part of the regular outreach and support programs that school districts, including Old Town-based RSU 34, are [required](#) to offer to families of students. For at least three decades, Bangor-area schools have turned to UMaine students to help with this outreach. “We’ve had hundreds of students participate in literacy nights over the years,” says Dee Nichols, a professor of literacy education, who teaches reading and language arts methods classes for preservice teachers who want to work in elementary schools. “The collaboration works, because it gives our students a chance to try out different teaching strategies for a night and it helps the school and the university fulfill their community service missions.” In addition to literacy nights, UMaine students have helped lead science and engineering nights and math nights at area schools. UMaine graduate students — practicing teachers, who are interested in becoming literacy coaches, instructional coaches and school administrators — also will attend, as will representatives from Literacy Volunteers of Bangor.

#### **Hutchinson Center offers public speaking development program**

**05 Nov 2019**

A professional development program, “Public Speaking for Business and More,” will be offered 8 a.m.–3:30 p.m. Thursday, Nov. 7 at the University of Maine Hutchinson Center in Belfast. Tom Dowd, a prize-winning speaker, award-winning and best-selling author, and trainer and coach, will facilitate. Program participants will be taught how to relieve the stress associated with speaking publicly; become skilled in speaking with or without notes; think quickly, speak logically and engage an audience; and use the power of personalized storytelling to increase information retention. Nonprofit and business leaders, educators, municipal officials, members of the clergy and others interested in becoming a more effective speaker are invited to attend. Cost is \$150 per person, and includes a continental breakfast and catered lunch. Need-based scholarships are available. Registration is [online](#). For more information or to request an accommodation or scholarship application, contact Michelle Patten, 207.338.8002, michelle.patten@maine.edu.

#### **UMaine Extension hosts tick, mosquito talk Nov. 6 in Falmouth**

**05 Nov 2019**

University of Maine Cooperative Extension will offer a free presentation on ticks and mosquitoes 3:30–5 p.m. Wednesday, Nov. 6 at the UMaine Regional Learning Center in Falmouth. Emer Smith, field epidemiologist with the Maine Center for Disease Control and Prevention, will discuss tick and mosquito biology, tick identification, common vector-borne diseases and frequency of occurrence, and best methods of protection when outdoors. [Online](#) registration is required. For more information or to request a reasonable accommodation, contact Becky Gray, 207.781.6099, rebecca.gray@maine.edu.

#### **Sun Journal previews early college outdoor leadership program**

**05 Nov 2019**

The [Sun Journal](#) announced the University of Maine Early College Program is offering an outdoor leadership pathway program for western Maine high school students to earn UMaine college credits tuition-free. The three-credit Wilderness First Responder course will be offered from Nov. 12 to June 18 at the University of Maine 4-H Camp and Learning Center on Lake Christopher in Bryant Pond village. Registration is [online](#).

#### **ANA-Maine Journal publishes nursing student’s paper about service project**

**05 Nov 2019**

The current issue of the [ANA-Maine Journal](#) includes University of Maine nursing student Lauren Martin’s paper about a service learning experience. Martin and three classmates in a Community Population and Healthcare course raised more than \$2,500 and collected more than 500 pairs of pajamas, underwear and socks for infant and youth patients at Northern Light Eastern Maine Medical Center. While Martin was taking part in a pediatric clinical rotation at the hospital, she overheard a nurse apologize to the parents of a young patient for not having clothing in her size. Martin says the nursing students’ interest in improving hospital resources and patient experience sparked their commitment to serve vulnerable youth. And there are many vulnerable youth in Maine. According to the 2017 Census Bureau American Community Survey, 26,800 children younger than 18 in the state (about 10% of total) fell below the United States poverty threshold — which was \$25,094 for a family of four. “Involvement in community services beyond occupational duties fosters personal fulfillment and supports underserved populations,” she wrote.

#### **EMS World magazine features UVAC**

**05 Nov 2019**

[EMS World magazine](#) highlighted the University Volunteer Ambulance Corps (UVAC) and five other university-based, student-run ambulance services. UVAC is one of the more than 250 college-based emergency medical services (EMS) units in the United States, according to the National Collegiate EMS Foundation. The 70-member UVAC, which has two ambulances staffed by EMTs and paramedics, annually responds to about 430 calls. Connor Gilson, assistant chief of relations, told the magazine the volunteers are “like a family or fraternity.”

#### **Sorg quoted in New York Times article about Jeffrey Epstein’s death**



05 Nov 2019

Marcella Sorg, a forensic anthropologist and research professor with the University of Maine Department of Anthropology, Climate Change Institute, and Margaret Chase Smith Policy Center, was quoted in the [New York Times](#) article “Epstein’s Autopsy ‘Points to Homicide,’ Pathologist Hired by Brother Claims.” In August, the New York City medical examiner’s office said Jeffrey Epstein had hanged himself in his jail cell while awaiting trial on sex trafficking charges. But private pathologist Dr. Michael Baden [said on the morning TV show “Fox & Friends”](#) that Epstein, 66, experienced several injuries — including a broken bone in his neck — that “are extremely unusual in suicidal hangings and could occur much more commonly in homicidal strangulation.” At the time of Epstein’s autopsy, when several medical officials [cautioned against relying solely on the broken hyoid as evidence of strangulation](#), Sorg responded that, “It’s not a slam dunk.” She said that a broken hyoid is “a sign of neck trauma” that can occur in both strangulation and hanging cases.

#### UMaine Extension specialist Forstadt receives Distinguished Service Award

06 Nov 2019

University of Maine Cooperative Extension associate professor and human development specialist Leslie Forstadt was recently honored by the National Extension Association of Family and Consumer Sciences (NEAFCS) with the Distinguished Service Award.

The NEAFCS award recognizes members for leadership, outstanding program efforts, and personal and professional development. As the highest award given, Forstadt was recognized for her “exemplary commitment to meeting the needs of individuals, families and communities” through early childhood childcare training. Forstadt was also recognized with a first-place Communications Team Award, eastern region, for the [“Growing Maine”](#) video series that helps consumers get to know their food sources better, as farmers and producers share their behind-the-scenes perspectives on how decisions are made. In addition to Forstadt, members of the team included Extension webmaster Cindy Eves-Thomas; Extension community education assistant and social media specialist Lynne Holland; Extension project professional Dana Rickman; and Paige Burassa, UMaine new media major who graduated May 2019. Established in 1934, [NEAFCS](#) educates and recognizes Extension professionals who improve the quality of life for individuals, families and communities. For more information about [UMaine Extension](#), contact 207.581.3188; [extension@maine.edu](#).

#### Gov. Mills notes success of Extension food education program

06 Nov 2019

Gov. Janet Mills recently recognized the 50th anniversary of the Expanded Food and Nutrition Education Program (EFNEP) available through University of Maine Cooperative Extension. In her Oct. 24 letter, Mills acknowledged the program’s success in “providing hands-on education to parents, caregivers, and youth in the essentials of nutrition, food safety and security, food resource management, and physical activity.” EFNEP, the nation’s first nutrition education program for low-income populations, reached more than 5,600 low-income adults and youth in 2019 in Maine.

#### Honors College students, faculty present research in New Orleans

06 Nov 2019

Sixteen students and 12 faculty members from the University of Maine Honors College will present research Nov. 6–10 at the 54th annual National Collegiate Honors Council conference in New Orleans. The theme, “Disrupting Education: Creativity and Innovation in Honors,” challenges attendees to think, question and act. The submission process is highly selective. Four of the accepted UMaine presentations are titled: “Building and Assessing a Holistic Honors Curriculum”; “Project Q: Disrupting the Heteronormative Education in the Honors Curriculum”; “Female Campaigns: Just the Right Amount of Femininity”; and “Civilization Spotified: Connecting the Reading List with the Playlist.” Students and faculty also can explore the city through the NCHC City as Text Program as well as network with honors students and faculty from around the world. The Honors College is grateful for the support of donors who make the trip possible, especially the Bill and Betsy Pullen Leitch ’55 Conference Fund. NCHC anticipates more than 2,000 students and faculty from all 50 states, as well as from the Netherlands, Great Britain, China, Qatar and Australia. The nonprofit NCHC supports and enhances the community of educational institutions, professionals and students in collegiate honors education around the world. Member institutions total nearly 900 around the world. Professional and student memberships are available. More information is available at [nchchonors.org](#).

#### TRJ previews Hutchinson Center’s public speaking program

06 Nov 2019

[The Republican Journal](#) advanced the “Public Speaking for Business and More” program from 8 a.m. to 3:30 p.m. Nov. 7 at the University of Maine Hutchinson Center in Belfast. Nonprofit leaders, business leaders, educators, municipal officials, members of the clergy and others interested in becoming a more effective speaker are invited to register for the professional development program with presenter Tom Dowd. Cost is \$150 per person; need-based scholarships are available. Registration is [online](#).

#### Media cover ‘Defense and Diplomacy in an Uncertain World’ lecture with Cohen, Kerry

06 Nov 2019

A number of media organizations, including the [Associated Press](#), [Maine Public](#), [Bangor Daily News](#), [News Center Maine](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) covered the William S. Cohen Lecture titled “Defense and Diplomacy in an Uncertain World” with former Secretary of Defense Cohen and former Secretary of State John Kerry. The [Portland Press Herald](#) and [Seacoastonline](#) carried the AP story.

#### Study finds season an important factor in soil microbe sampling

06 Nov 2019

Soil bacterial communities influence crop success and agricultural sustainability by interacting with plants in a variety of ways, from exchanging nutrients to influencing plant susceptibility to infection. Sue Ishaq, an assistant professor of animal and veterinary sciences in the University of Maine’s School of Food and Agriculture, recently participated in a project that examines how these communities respond to different wheat production systems throughout the seasons. The study found that seasons, which are rarely included in these evaluations; weed diversity; and farming management systems all influence soil microbial communities. The findings indicate that it is critical to incorporate or address seasonality in soil sampling for microbial diversity. The [paper](#), titled “Soil bacterial communities of wheat vary across the growing season and among dryland farming systems,” was recently published in the journal *Geoderma*. Contact: Erin Miller, 207.581.3204

#### Opioid-dependent mothers have reduced social neuropeptide levels, give fewer gentle touches to babies

06 Nov 2019

Mothers being treated for opioid-dependency showed impaired responsiveness and sensitivity to their babies, compared to mothers not dependent on opioids but similar in socioeconomic and lifestyle factors. The opioid-dependent mothers’ sensitivity deficits were associated with reduced oxytocin (OT) release. OT, which is made in the hypothalamus of the brain, is normally released during mothers’ interactions with their babies, as well as during lactation and labor. Katrina Daigle made these discoveries when she was a psychology graduate student at the University of Maine. UMaine psychology professor Marie Hayes advised Daigle, who now is a clinical psychology doctoral student at Suffolk University. Daigle, from Glenburn, Maine, also works as a graduate study research assistant in the Chu Laboratory at Massachusetts General Hospital. “Understanding this opioid use–maternal behavior relationship is necessary to improve the behavioral outcome for these children and through that, improve the future of societies impacted by the opioid epidemic,” says Daigle. “My long-standing fascination with the development of complex human behavior and the brain processes that drive them drew me to the study of psychology. Growing up just outside of Bangor, Maine, I found myself interested with the opioid crisis and how it may impact the future of our society through behavior. “In this way, focusing on how opioids impact maternal responsivity and infant development was an important gap in the research literature to be studied.” Pairs of mothers and their 4-to-6-month old babies took part in the study. Opioid-dependent mothers were recruited from Maine opioid treatment programs. And mothers not dependent on opioids were recruited from Northern Light Health Eastern Maine Medical Center family medicine practice and the Women, Infants, and Children (WIC) program. Mothers who hadn’t been exposed to opioids were matched to opioid-dependent mothers in terms of socioeconomic status, verbal ability, psychiatric status, and use of alcohol, tobacco and cannabis during pregnancy. Daigle found that maternal opioid use dampens oxytocin (a core social neuropeptide) response, and may contribute to less-responsive maternal behaviors toward their infants. Baseline oxytocin was determined after mothers were briefly separated from their infants and compared to oxytocin following their reunion during a standard attachment task which is called the Still Face paradigm. Edward Tronick, a psychology professor at the University of Massachusetts Boston, designed the paradigm. Oxytocin levels in the mothers’ saliva correlated strongly with sensitive and prosocial maternal behaviors in response to infant initiation, as has been found in human and animal studies, says Daigle. To begin, for two minutes, mothers were asked to face their babies (in infant seats) and engage with them at eye level like they would at home. After a 15-second “reset” when mothers looked at the ground, for the next two minutes, mothers were asked to gaze at their babies and maintain a still — or expressionless — face. They also were asked to stay silent and not touch or respond to their children. During “still face,” infants often become upset when their mothers do not engage with or react to them. After another 15-second reset, mothers and children “reunited” for two minutes to interact and

play. Daigle asked mothers to play with their babies for an additional 10 minutes to allow optimal increase of oxytocin levels in their saliva. During the reunion, or recovery, phase, Daigle says opioid-exposed mothers responded with fewer gentle touches. They also had mismatched responses to their distressed babies, including smiling when the baby cried. In contrast, mothers not affected by opioids were silent and gave more gentle touches when their babies cried during the reunion phase. The opioid-dependent mothers' actions didn't help their infants recover, says Daigle. That could negatively affect mother-infant attachment, child stress adaptation over the long-term, as well as the children's social, emotional, behavioral and cognitive development. Childbearing women are among the 2.5 million people in the United States impacted by opioid addiction. Methadone, the most-common opioid replacement/treatment pharmaceutical, crosses the placental barrier between a pregnant woman and fetus. It's been found to lead to neonatal abstinence syndrome (NAS), or withdrawal symptoms, for 60–80% of exposed newborns. And prenatal opioid exposure and NAS are associated with infant neurobehavioral deficits. While NAS has been frequently studied, Daigle says not a lot is known yet about the impact of maternal opioid treatment on maternal responsiveness. And maternal psychological competence — behaviors, skills and strategies that promote positive and adaptive child development outcomes — is critical for infant care. Daigle suggests parent skills training for opioid-exposed mothers, as well as possible pharmaceutical intervention to improve oxytocin functioning during this critical stage of mother-child bonding. She encourages cautious interpretation of the study's preliminary findings. The sample size was small and the mothers' experience of having a baby withdrawing from addiction also may impact their maternal behaviors. A mother's ability to engage with a newborn also may be a function of the mother's recovery process as well as stability in income, housing and support structure, says Daigle. In addition to Hayes, Daigle collaborated with Julie Gosse, a UMaine associate professor of molecular and biomedical sciences. Gosse led the oxytocin peptide analysis with then-UMaine biochemistry Ph.D. candidate Juyoung Shim, now a lecturer of biology at the University of Maine Augusta, and Husson University professor of pharmacology William Lindblad. Siena College professor Nicole Heller, a former doctoral student of Hayes, led the design, maternal-infant measures and statistics, and conceptual aspects of the study. Dr. Mark S. Brown, chief of pediatrics at Northern Light Eastern Maine Medical Center, was a central collaborator. He medically treated mothers and infants and managed neonatal abstinence syndrome. Developmental Psychobiology published the research article titled "[Maternal responsivity and oxytocin in opioid-dependent mothers.](#)" The study is part of the larger Maine Infant Follow-Up Project that examines genetic and neurobehavioral effects of prenatal opioid exposure. This research aligns with the University of Maine System [Research and Development Plan](#). Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

#### **‘Uncaged: Art from the Border’ exhibit opens at IMRC**

**06 Nov 2019**

“Uncaged: Art from the Border,” a collection of works created by children in detention at the Tornillo, Texas camp, opens Nov. 6 at the University of Maine. The exhibit is open 9 a.m. to 4 p.m. weekdays through Nov. 22 in the APPE Space in the IMRC Center, and is free and open to the public. The works in the exhibit were created in late 2018 by children who met regularly with a group of local social studies and art teachers, and center on the children's notions of home and culture. After the camp was closed in January 2019, a local priest found the artworks in a dumpster behind the camp. The original works have been preserved and are on display at the University of Texas at El Paso. The traveling exhibit currently at UMaine consists of prints of the originals. Susan Smith, assistant director of the Master of Fine Arts program at UMaine, is hosting the exhibition, which will next travel to Boston in December. On Nov. 13, Smith will give a talk for students in the Department of Communication and Journalism focused on these works and the intersection of art and social justice within environmental concerns.

#### **Rep. Kathleen Gillingham named Distinguished Maine Policy Fellow**

**07 Nov 2019**

Maine State Representative Kathleen R.J. Dillingham will be on campus Nov. 19 as a Margaret Chase Smith Policy Center Distinguished Maine Policy Fellow. Distinguished Maine Policy Fellows are individuals with past or current careers as policymakers in Maine — people of distinguished status and extensive experience. Each fellow comes to campus as a guest for a day, teaches an undergraduate class, speaks with faculty about research and public policy, and meets with University of Maine administration and graduate students. A full list of past fellows is [online](#). The goal of the [program](#) is to bring together leaders in the state with UMaine faculty, students and administration. This collaborative experience enriches educational experiences for students, creates networking opportunities between policy officials and the university community, and highlights the innovative research and projects within the policymaker's fields of interest. Rep. Dillingham has an extensive career in public service and policy leadership in Maine. At present, she is the House Republican Leader, chosen by her colleagues to lead the caucus at the beginning of her third term in November 2018. Since 2014, she has represented the residents of House District 72, which includes the towns of Mechanic Falls, Otisfield and Oxford. Dillingham's UMaine visit will end with a public reception at the President's House at 4 p.m. To attend, RSVP to [Susan D'Angelo](#).

#### **Varahramyan participates in White House Summit**

**07 Nov 2019**

Kody Varahramyan, vice president for research and dean of the Graduate School, attended the White House Summit of the Joint Committee on the Research Environment, Nov. 5 in Washington, D.C. The summit focused on the progress made to date by the National Science and Technology Council Joint Committee on the Research Environment. Specific emphasis was on the integrative approach to developing initial policy recommendations and best practices to improve the safety, integrity, productivity and security of the nation's multisector research environments.

#### **Bangor-area participants sought for survey about hospice, end-of-life care**

**07 Nov 2019**

Bangor-area adults are invited to participate in an anonymous online survey about hospice and end-of-life care. The University of Maine Center on Aging, working in partnership with the Collaborative for Hospice and End of Life Care, are conducting the survey to assess needs of adults and caregivers living and working in a 25-mile radius of Bangor. Collected data may be used to improve hospice care and services for an aging population, including identifying issues and barriers that interfere with community members accessing end-of-life care. The survey is [online](#). Survey participants must be 18 years and older. Those who complete the survey, which takes approximately 15 minutes, will be eligible to win one of four \$25 Hannaford gift cards. For more information, contact the study's primary investigator, Lenard Kaye, director of the UMaine Center on Aging, [len.kaye@maine.edu](mailto:len.kaye@maine.edu); 207.262.7922.

#### **Culturefest to include exhibits, food, activities, style show, performances**

**07 Nov 2019**

The University of Maine Office of International Programs and International Student Association will host a celebration of cultures Saturday, Nov. 9 in the New Balance Student Recreation Center. The 32nd annual Culturefest will feature international cultural exhibits, food, children's activities, a style show and performances from 11 a.m. to 3:30 p.m. The university's international community showcases its talents and traditions at this free, public, family-friendly event. About 50 countries will be represented by more than 150 participating students, faculty and staff. A variety of community organizations, including the Maine Multicultural Center, CISV International, and Literacy Volunteers of Bangor also will participate. They provide opportunities to further engage with the international community, locally and globally. Organizers are working with Green Campus Initiative and the Sustainability and Environment Action Division (SEAD) to make the event more environmentally friendly — by using compostable paper goods and plant-based plastics, composting, and reducing overall waste. About 1,500 people from campus and the surrounding communities are expected to attend, including several school groups. More information about Culturefest is available [online](#), by calling 207.581.3437 or by emailing [international@maine.edu](mailto:international@maine.edu).

#### **TRJ previews Hutchinson Center restorative practices program**

**07 Nov 2019**

[The Republican Journal](#) announced the University of Maine Hutchinson Center will offer a six-session certificate program, Foundations in Restorative Practices, beginning Dec. 5–6. Subsequent dates are Jan. 10, Feb. 13–14 and March 13. People in primary, secondary and post-secondary education, social work, family services, corrections, criminal justice, policing, nonprofits, health care and community development could benefit. The restorative approach emphasizes the importance of creating a positive, healthy school climate based on empathy, trust and respect. Carrie Sullivan and Sarah Matari lead the program. Cost is \$600 per person. Registration is [online](#).

#### **Star 97.7 publicizes winter care for backyard poultry workshop**

**07 Nov 2019**

Ellsworth radio station [Star 97.7](#) advanced University of Maine Cooperative Extension's workshop “Winter Care of Backyard Poultry” 1–3 p.m. Tuesday, Nov. 12 at the Extension office in Ellsworth. “Storey's Guide to Raising Chickens,” an optional coursebook, may be preordered for \$20. For more information and to register, call 207.667.8212.

#### **Witter Farm's Milk-A-Cow event promoted on Z107.3**

07 Nov 2019

Bangor radio station [Z107.3](#) promoted the Milk-A-Cow event 4–6 p.m. Friday, Nov. 7 at Witter Farm on University Farm Road. The public is invited to learn about cattle, watch University of Maine students milk the large domesticated ungulates, and get a chance to milk a cow by hand. Cost is \$2 per youth, \$4 per adult and \$8 per family.

#### **Machias Valley News Observer advances ‘Scientific Illustrations’ at UMM**

07 Nov 2019

The [Machias Valley News Observer](#) announced that Margaret La Farge’s new exhibit “Scientific Illustrations” will be displayed during December in the Art Gallery in Powers Hall at the University of Maine at Machias. La Farge’s painstaking attention to detail and heartfelt appreciation for the natural world is evident in her exquisite black-and-white renderings of wildlife and plants. The gallery is open from 9 a.m. to 5 p.m., Monday through Thursday and noon to 5 p.m. Friday. For more information or to request a reasonable accommodation, contact 207.255.1200.

#### **The Republican Journal announces spring registration at Hutchinson Center**

07 Nov 2019

[The Republican Journal](#) announced that registration is open through the University of Maine Hutchinson Center for more than 300 live and [online](#) spring 2020 undergraduate and graduate courses that run from Jan. 21 to May 8. Need-based Hutchinson Center scholarships are available to new and continuing students; Jan. 10 is the deadline for scholarship applications. Register [online](#) or contact Nancy Bergerson, 207.338.8049, [nancy.bergerson@maine.edu](mailto:nancy.bergerson@maine.edu).

#### **World Politics Review includes Socolow’s TikTok piece in ‘Top Reads on China’ roundup**

07 Nov 2019

[World Politics Review](#) listed Michael Socolow’s “[The Trouble with TikTok](#)” piece in its “Top Reads on China” roundup. WPR newsletter and engagement editor Benjamin Wilhelm wrote that Socolow, a University of Maine associate professor of communication and journalism, took American journalists to task for their uncritical coverage of TikTok — and for their use of the app. Wilhelm posted this part of Socolow’s piece that Politico Magazine published Nov. 2: “Journalists should not be promoting a platform with a documented history of political censorship. Nor should journalists use TikTok as a news medium, because TikTok — unlike other attempts to extend authoritarian media globally, such as RT (Russia Today) — relies on its users’ ignorance of its origins and practices. How many teens, or journalists, are aware TikTok’s Chinese parent company, Bytedance, paid what was at the time the largest fine in Federal Trade Commission history for invading the privacy of underage users?”

#### **‘ASA Footnotes’ publishes Blackstone’s ‘Sexual Harassment in Academia and Beyond’ piece**

07 Nov 2019

Amy Blackstone’s article “Sexual Harassment in Academia and Beyond: Causes, Consequences, and Change” was published in the September/October 2019 issue of [ASA Footnotes](#). Blackstone writes that “knowledge from decades of sociological research helps us understand — and change — the reality of sexual harassment in academic workplaces and beyond.” Allies have an important role to play, says Blackstone. So too, do department chairs and directors. They can promote a healthy and productive culture — for faculty, staff, and students. Blackstone says organizations must regularly their share clear policies. They also must protect those who report harassing behavior from retaliation and job loss, she says. And because harassment is more prevalent in organizations where more men than women are employed, Blackstone says more should be done to encourage institutions and departments to recruit and retain gender minority faculty. “Sexual harassment will not go away without large-scale organizational and cultural change, but there are actions that individuals, administrators, and institutions can take to move the needle toward such change,” she writes.

#### **‘The Maine Question’ podcast explores the state’s vibrant reuse economy**

07 Nov 2019

The latest episode of the University of Maine podcast “[The Maine Question](#)” asks why the state’s reuse economy is so robust. In the third episode of the first season, host Ron Lisnet speaks with Cindy Isenhour, a professor of anthropology and climate change and faculty associate in the Senator George J. Mitchell Center for Sustainability Solutions. For several years, Isenhour has researched the economic, environmental and social benefits of fixing, selling and buying used goods. She has found Maine’s secondhand economy, which includes everything from yard sales to bike repair, to be exceptionally vibrant compared to other states. In the episode, Isenhour describes Maine’s reuse economy and discusses where she sees the trend going. Find the podcast on [iTunes](#), [Google Play](#), [SoundCloud](#), [Stitcher](#), [Spotify](#) and The Maine Question [website](#). New episodes will be added every Thursday. For more information or to suggest topics of interest, email [mainequestion@maine.edu](mailto:mainequestion@maine.edu).

#### **Maine Business School’s inaugural Bear Trek to explore Portland-area businesses**

07 Nov 2019

More than 50 Maine Business School (MBS) students will visit three Portland-area businesses — UNUM, Tyler Technologies and WEX — on Friday, Nov. 8 as part of the MBS Bear Treks program. “All three are successful firms who have been good partners with the Maine Business School,” says Rick Borgman, the Dennis McConnell Professor of Finance who helped organize the trip. “We hope to similarly explore other areas of the state in the future.” MBS Advisory Board member and UMaine alum Pat Maiorino sponsored the event, focused on the business school’s new focus on academic adventures. Among the employees students will meet at the businesses are MBS alumni. “While we often bring business leaders to campus, we wanted our students to experience firsthand what vibrant, successful businesses look like,” says Borgman. “We want to help students see themselves in this professional setting, to meet some role models, and to learn some career skills.” The Bear Treks program was designed to better connect MBS students to the vibrant employment and living opportunities present in the state. In addition to networking with business leaders, students will participate in panel discussions, presentations and Q&As. “The goal of Bear Treks is to showcase what a thriving business looks like and does, and to help students gain insights on how they can make the transition from college to professional life,” says MBS associate dean Nic Erhardt, who is co-leading the experience with Borgman. “We also hope that these kinds of trips will help students understand that Maine is an excellent place for professional development and employment that offers a range of opportunities right in our backyard.”

#### **Nayak part of international team investigating health benefits of processed seaweed**

07 Nov 2019

Seaweed, which is gaining popularity as a superfood in the United States, has several health benefits, but whether they are retained in products that have been processed in different ways remains unclear. Research by an international team including the University of Maine aims to develop and optimize processing and preservation techniques for seaweed to retain the bioactive compounds and improve their bioavailability in the human body. Balunkeswar (Balu) Nayak, associate professor of food processing at UMaine, is collaborating with researchers from the National Food Institute, Technical University of Denmark (DTU Food) and Chalmers University of Technology in Sweden on the 1.5-year project. The project was recently awarded around \$140,000 from Ekhagastiftelsen, a Swedish foundation that aims to increase product stability and promote human health by supporting the development of better food, natural medicines and healing practices, and to support research for a healthier way of life. Seaweed is high in bioactive antioxidants and minerals; however, contaminants such as heavy metals can be accumulated if waters are polluted. Understanding the fate of these compounds is extremely important for a sustainable human consumption of seaweed, according to the researchers. The team will study the health-benefiting bioactive compounds in seaweed from Maine, Sweden and Denmark. They will follow the compounds during commonly used industrial processing steps as well as in the gastrointestinal tract after consumption. This will be evaluated in a risk-benefit analysis considering the legislation and nutritional recommendations. The researchers aim to make the results available for consumers and national food authorities in Scandinavia and the United States. Contact: Elyse Catalina, 207.581.3747, [elyse.catalina@maine.edu](mailto:elyse.catalina@maine.edu)

#### **Events to benefit, recognize veterans scheduled Nov. 12–15**

08 Nov 2019

The University of Maine will recognize veterans with a week of events to coincide with Veterans Day. There are no classes Monday, Nov. 11 in observance of the holiday. The UMaine Office of Veterans Education and Transition Services (VETS) and the UMaine

Veterans Association (UMVA) are coordinating several activities. A UMVA bake sale will be held 11 a.m.–1 p.m. Tuesday, Nov. 12 in the Memorial Union, with proceeds benefiting student veteran events. Free coffee and doughnuts provided by Dunkin’ and sponsored by Student Life will be available for veterans Thursday at the VETS office, Room 143 of Memorial Union. Green Zone training will be offered 2–3 p.m. Tuesday in the Bumps Room of the Memorial Union for faculty, staff and students who wish to learn more about the student-veteran experience. The training aims to educate members of the UMaine community about issues and concerns faced by student-veterans and to identify people who are available to assist this population. More information and registration is [online](#). The documentary “Project 22” will be screened 3–5 p.m. Wednesday, Nov. 13 in the North Pod of Memorial Union. The film follows two combat veterans who set out to raise awareness and lower the high suicide rate of veterans, which is estimated to be 22 per day in the United States. And Friday, Nov. 15, a flag ceremony and community barbecue will be held 11:30 a.m.–1 p.m. to celebrate UMaine veterans. Army and Navy ROTC will raise the U.S. and POW/MIA flags on the Mall in front of Fogler Library before the barbecue in the Dr. Martin Luther King Jr. and Coretta Scott King Memorial Plaza. UMaine student and combat veteran Michael Morse will provide live music. For more information or to request a reasonable accommodation, contact Tony Llerena, VETS coordinator and school-certifying official for veterans, at 207.581.1316 or [tony.llerena@maine.edu](mailto:tony.llerena@maine.edu).

#### **Learn about the Ferland Engineering Education and Design Center**

**08 Nov 2019**

University of Maine community members are invited to learn about the largest upcoming construction project in recent history at UMaine at an information session 10–11 a.m. Nov. 19 in Hill Auditorium, in the Engineering and Science Research Building. Construction on the \$77 million Ferland Engineering Education and Design Center is set to begin in late spring 2020. And it’s expected the 105,000-square-foot center will be open for classes in fall 2022. Dana Humphrey, dean of the College of Engineering, and Kris Kowal, lead architect from WRBR Architects Engineers, will give an overview of the project. Learn more about what the center will contain, including three collaborative classrooms and two seminar rooms. Representatives from UMaine Facilities Management and Consigli Construction, construction manager for the project, then will talk about the construction schedule and what to expect during construction.

#### **Medical Xpress shares article about Daigle’s opioid-dependency study**

**08 Nov 2019**

[Medical Xpress](#) printed a University of Maine article about Katrina Daigle’s study that found mothers being treated for opioid-dependency showed impaired responsiveness and sensitivity to their babies, compared to mothers not dependent on opioids but similar in socioeconomic and lifestyle factors. The deficits were associated with reduced oxytocin (OT) release. OT, which is made in the hypothalamus of the brain, is normally released during mothers’ interactions with their babies, as well as during lactation and labor. Daigle, from Glenburn Maine, made the discoveries when she was a psychology graduate student at UMaine. She’s now a clinical psychology doctoral student at Suffolk University and a graduate study research assistant in the Chu Laboratory at Massachusetts General Hospital.

#### **Morning Ag Clips runs release highlighting Forstadt’s Extension awards**

**08 Nov 2019**

[Morning Ag Clips](#) ran a media release about Leslie Forstadt receiving the National Extension Association of Family and Consumer Sciences (NEAFCS) Distinguished Service Award. The University of Maine Cooperative Extension associate professor and human development specialist also earned a first-place Communications Team Award for the “[Growing Maine](#)” video series that highlights farmers and producers sharing behind-the-scenes perspectives so consumers can get to better know their food sources. In addition to Forstadt, “Growing Maine” team members include Extension webmaster Cindy Eves-Thomas; Extension community education assistant and social media specialist Lynne Holland; Extension project professional Dana Rickman; and UMaine new media major Paige Burassa, who graduated last May.

#### **WABI covers opening of Parenting Relationships Research Lab**

**08 Nov 2019**

[WABI](#) (Channel 5) attended the opening of the Parenting Relationships Research Lab created by Daniel Puhlman, assistant professor of family studies. Research in the lab will focus on relationships involved in parenting, especially parents’ connections with each other and their children, as well as with grandparents, extended family members, teachers and other caregivers. The Merrill Hall lab also will be a center for community outreach. “We also want to bridge this idea of research and practice together,” Daniel Puhlman told WABI. “So taking the research and scholarship on parenting and get it to the community in a way that’s usable that people can do something with it. Sometimes that disconnect is pretty significant, and so, we want to make that much more realistic and usable for parents.” [Maine Public](#) and [BabyGaga.com](#) also reported on the lab.

#### **Engineering students, faculty featured in study abroad story**

**08 Nov 2019**

The [University Studies Abroad Consortium](#) (USAC) interviewed engineering faculty members Masoud Rais-Rohani and Olivier Putzeys and students Will Salisbury and Cameron Oxley for its article “University Makes it Easy for STEM Students to Study Abroad.” The University of Maine Department of Mechanical Engineering is making it part of the curriculum to take a semester of STEM courses in Valencia, Spain through USAC. In the fall semester of their second year, students travel to Valencia with USAC. Their classes there include general chemistry, calculus, thermodynamics, and dynamics. Electives include Spanish, sailing the Mediterranean Sea, and dances of Spain. “It is vitally important for our students to develop a more informed view of the world we live in, and a study abroad such as the one offered by USAC will provide them [with] such an opportunity,” says Rais-Rohani, the Richard C. Hill Professor of Mechanical Engineering and department chair. Putzeys, a lecturer in mechanical engineering, adds, “Living abroad and being exposed to a different culture greatly benefits a student’s personal development.” Salisbury says he’s “gotten to know a group of Spanish computer engineering majors that are really similar to me.” And, Oxley says he’s “seen how working with a more diverse student body can lead to better insights and ideas.”

#### **Jarred Haynes: Anthropology student studies biodiversity, conservation in Bali**

**08 Nov 2019**

Jarred Haynes of Westbrook, Maine had the experience of a lifetime this summer studying abroad in Kerambitan, Bali, in Indonesia. The sophomore anthropology major studied through the School for International Training (SIT) Biodiversity and Conservation Studies program, which focused on biodiversity, resource-use patterns, and conservation initiatives in the surrounding community. Haynes, who also has an environmental science minor and is in the Honors College, has always enjoyed learning about human behavior and history, especially culture and different traditions. “I have always cared about the environment and nature,” he says. “One of my favorite things to learn about is the role of nature, religion and magic in other cultures.” Studying abroad “posed a lot of challenges, mostly based on working with such a small group of people in close quarters and stressful situations,” says Haynes. “It was extremely educational and I learned a lot of the language (Bahasa Indonesia) and about conservation in Indonesia.” Haynes, who loves hiking, says the most memorable experience abroad was getting up at midnight and driving four hours away to climb Mount Ijen, a six-hour hike that was “one of the steepest climbs I’ve ever made.” He also enjoys archery, reading, writing, researching topics that interest him, and gardening, using the herbs he grows to make natural remedies. Recently he also has started making candles, sprays and other natural items and selling them at farmer’s markets. “I love the diversity at UMaine. The amount of individuality and acceptance is really comforting,” says Haynes. “The clubs and activities make the campus a vibrant and enjoyable place.” And Haynes says studying abroad is one of the best things a student can do in college. “It opens you up to so many scenarios and learning experiences,” he says. “In my Honors sequence last year, we read some of the writing in Da Vinci’s notebooks and he wrote, ‘Wisdom is the daughter of experience.’ That quote has never been more applicable in my life.” Contact: Cleo Barker, 207.581.3729

#### **Celebratory launch of UMaine Arctic to be held Nov. 14**

**12 Nov 2019**

The University of Maine invites community members and interested collaborators to attend the celebratory launch event of UMaine Arctic on Thursday, Nov. 14 at the Buchanan Alumni House. The reception will feature a poster session, exhibiting activities by faculty and regional partners in the Arctic and in Arctic-impacted regions, to present UMaine activity in the high latitudes and open opportunities for collaboration. Presenters will be available to explain their topics of interest and ideas for future projects. UMaine Arctic aims to facilitate interdisciplinary collaborations in New England with a diverse expertise network of regional academic faculty and staff involved in research, education and outreach related to the Arctic. UMaine has a history of engagement in the Arctic and, more broadly, the high north, from Greenland to Canada to Alaska and beyond. Faculty and students engage in the region to study and share information about native populations, climate, oceanography, transportation and government policy. They perform fieldwork, train, lead educational opportunities, model physical processes and economic impact, and consult. Benefits of joining the UMaine Arctic network include:

- Participating in research in the Arctic for its regional and global effect.

- Discovering how New England can best prepare for changes in the Arctic.
- Facilitating exchanges among students, researchers and policymakers.
- Providing more efficient communication about educational opportunities and Arctic affairs.

The UMaine Arctic [launch](#) will run 4–6 p.m. in the McIntire Room with brief oral remarks at 4:45 p.m. The event is free and open to the public. More information about UMaine Arctic is available [online](#) or by emailing Kristin Schild, [kristin.schild@maine.edu](mailto:kristin.schild@maine.edu).

## **Students host game marathon fundraiser, News Center Maine reports**

**12 Nov 2019**

[News Center Maine](#) reported on a 24-hour game marathon hosted by University of Maine students who partnered with Northern Light Eastern Maine Medical Center to raise money for children receiving care at the hospital. “It’s really a way of taking something we enjoy doing and leveraging that in order to help children,” said event organizer Edwin Nagy, a lecturer in civil engineering.

## **Press Herald cites offshore wind project in editorial**

**12 Nov 2019**

The [Portland Press Herald](#) mentioned a University of Maine-led initiative in the editorial, “Ocean wind power back on track in Maine.” Maine Aqua Ventus, a one-of-a kind floating wind energy platform, has the funding to build a full-size, one-turbine demonstration project, two miles south of Monhegan Island using technology developed at UMaine, the editorial states. It is on pace to be the first floating wind turbine in American waters, and if successful, the project could be replicated at commercial scale, providing clean electricity at competitive prices. The technology could bring offshore wind power to parts of the world where it is not now possible, according to the Press Herald.

## **Maine Public’s ‘Speaking in Maine’ features lecture with Cohen, Kerry**

**12 Nov 2019**

Speaking in Maine,” a public affairs lecture series hosted by [Maine Public](#), ran the University of Maine’s 2019 William S. Cohen Lecture. “Defense and Diplomacy in an Uncertain World” featured former Secretary of Defense Cohen and former Secretary of State John Kerry.

## **Birkel speaks with BDN about climate change, extreme storms**

**12 Nov 2019**

The [Bangor Daily News](#) interviewed Sean Birkel, state climatologist and research assistant professor at the University of Maine Climate Change Institute, for an article about how climate change is causing more extreme storms in the state. Since 2017, there have been three extreme storms in Maine, all resulting in hours of rainfall, high wind speeds, fallen trees and power outages, according to the article. Birkel said these storms are the result of climate change, and based on climate projections, Maine might experience more frequent and extreme storms in the future. The loss of Arctic sea ice and warming ocean temperatures is fueling extreme storms in Maine, the article states. “There’s nearly 50 percent less sea ice cover in the Arctic basin now than there was 20 years ago,” Birkel said. “The loss of Arctic sea ice has changed the circulation pattern of large-scale winds.” The warming oceans in the Northeast also mean there’s more available moisture. As a result of these two factors, Maine has seen warmer fall temperatures and a tendency for more storms, the BDN reported. “Changing large-scale circulation [of wind] and warmer ocean water provides more fuel for an intense storm,” Birkel said. “The changes that have taken place support the hypothesis that intense storms could be increasing in frequency in fall.” Birkel and his team are working on detailed statistical analyses of storms to determine if and how the frequency has changed.

## **Devin featured in Press Herald article on farming among veterans**

**12 Nov 2019**

Anne Devin, veteran outreach coordinator for the Maine AgrAbility program, was featured in the [Portland Press Herald](#) article, “Former Marine turned to farming and helps other vets do the same.” Maine AgrAbility is a University of Maine Cooperative Extension program that provides farmers help overcoming disabilities, both physical and emotional. Devin said she has identified about 250 veterans or veteran spouses in Maine who are either actively farming or have indicated an interest in agriculture. Her job is to help guide them to success, even if they are reticent to ask for help, according to the article. “That’s where I’m finding my sweet spot, both personally and professionally,” she said. “It’s to network with veterans and make sure they have the appropriate resources.”

## **BDN reports on research to make invasive green crabs palatable**

**12 Nov 2019**

The [Bangor Daily News](#) reported on research at the University of Maine that aims to make invasive green crabs more palatable. Denise Skonberg, associate professor of food science at UMaine, has been working with green crabs for more than 15 years, the BDN reported. “There’s tons of money [in selling] softshell green crab, but only a tiny percentage of the green crab that you harvest [is] soft shell,” Skonberg said. “What do you do with all the rest?” You have to do something that’s value added in order to make it worthwhile,” Skonberg and other researchers have so far piloted a fish sauce, empanadas and dog treats. In April 2019, Angela Myracle, assistant professor of human nutrition, developed dog treats made of processed green crabs, the BDN reported. “A dog is not as particular,” Myracle said. “If you grind it up, it’s not like you’re crunching on shell. It’s a healthy and nutritious treat. You’re getting the benefit from the calcium and fiber in addition to the protein that’s in the meat of the crab.”

## **Media cover 32nd annual Culturefest**

**12 Nov 2019**

[WABI](#) (Channel 5) and [WVHI](#) (Channel 7) reported on the 32nd annual Culturefest hosted by the University of Maine Office of International Programs and International Student Association. The family-friendly event featured international cultural exhibits, food, children’s activities, a style show and performances. “It takes weeks and weeks to prepare it,” Orlina Boteva, director of the Office of International Programs at UMaine, told WABI. “A lot of our student volunteers cooked all day yesterday, all night, and this morning. They’re so excited to be here. People who have never met in our community, whether they’re from Maine or around the U.S. or around the world, get to talk to each other and bond and create relationships.” Boteva told WVHI about 1,500 people attend the event annually. “It’s a wonderful opportunity for relationship-building and meeting people from a country you may have not heard of or don’t know a lot about. For me personally, it’s all about creating friendships,” she said.

## **UMaine wood tech featured in NHPR report on what’s next for timber**

**12 Nov 2019**

Several University of Maine initiatives aimed at boosting the state’s forest economy were featured in a [New Hampshire Public Radio](#) piece looking at what’s next for New Hampshire timber. The article mentioned several UMaine School of Forest Resources projects that aim to develop new products using wood and wood scraps. The products include new kinds of building materials, like particle board held together with an adhesive that itself is made from wood; and mass timber, thick, strong wood panels made out of layers of lumber and sometimes wood chips. UMaine researchers also are working with the military to make blast-resistant shelters and portable bridges out of wood, combining wood with plastic to make more durable docks and decking, crafting wind turbine blades out of balsa wood from overseas, and even developing and scaling up a chemical process to turn wood scraps into crude oil, distillable into jet fuel, diesel and more, the article states. UMaine also is working with nanocellulose, a wood pulp so fine that researchers say its uses are almost endless and it’s a potential alternative to plastic. “We like to emphasize that it is nature-made,” said Colleen Walker, director of the UMaine Process Development Center. “It’s always been there, but we just learned to extract it and really manipulate it. Because there wasn’t really the tool set available in the scientific community to look at the nanoscale before.”

## **Viruses, bacteria topic of Maine Science Festival ‘Science on Tap’ event Nov. 14**

**13 Nov 2019**



Viruses and bacteria will be the topic of a Maine Science Festival “Science on Tap” event 7:30–9 p.m. Nov. 14 at Bear Bones Beer in Lewiston. Melissa Maginnis, assistant professor of microbiology at the University of Maine, and Meghan May, associate professor of microbiology at the University of New England, will discuss viruses and bacteria and answer flu season-related questions. This event is free and open to the public (ages 21-plus), and is the first in a year-round series that will travel the state, taking science and research across Maine to engage with the public. The series is intended to bring scientists and researchers closer to the public in a casual setting, and to encourage discussion around a topic of interest. UMaine and the Maine Science Festival are partnering to host the series; UMaine WiSTEMM also is a sponsor of the Nov. 14 event. The next “Science on Tap” event will take place in December.

#### School of Performing Arts presents ‘The Curious Incident of the Dog in the Night-Time’

13 Nov 2019

The University of Maine’s School of Performing Arts presents “The Curious Incident of the Dog in the Night-Time,” with opening night on Nov. 15 at Hauck Auditorium. Fifteen-year-old Christopher has an extraordinary brain. He is exceptional at math but ill-equipped to interpret everyday life. He has never ventured alone beyond the end of his road, he detests being touched, and he distrusts strangers. It is seven minutes after midnight, and Christopher finds himself under suspicion. Determined to solve the murder mystery, he carefully records each fact of the crime. His detective work, forbidden by his father, takes him on a thrilling journey that upturns his world. The play has won five Tony Awards and six Drama Desk Awards. It’s adapted by Simon Stephens based on the novel of the same name by Mark Haddon. Daniel Bilodeau, associate professor and chair of the Division of Theatre and Dance at UMaine, calls it “outstanding” with a “great sense of adventure.” This show was “the No. 3 most-produced play in 2018 and has received critical acclaim globally. It is a well-written, heartwarming story of growth, healing and hope,” says Mary Jean Sedlock, lecturer in theatre, production manager and technical director at UMaine. “It also provides numerous opportunities for scenic, lighting, sound, costume and projection elements to ‘push the envelope’ a bit. It’s a great show to provide worthwhile challenges to a broad range of students, both on stage and off.” Guest artist Cary Libkin directs a cast of 10 students in the UMaine production, which will run for seven performances: 7:30 p.m. Nov. 15–16 and Nov. 22–23, 2 p.m. Nov. 17 and 24, and 10 a.m. Nov. 21. “Sharing the space with actors who are bringing life to these amazing characters is such a thrill,” says Libkin. “The production is wildly theatrical, and it will be exciting to see how our particular creative artists bring the play to life.” The actor playing the role of Christopher, Elijah McTiernan, never leaves the stage. McTiernan, a third-year music education major with a theatre minor, says his experience in the role has required “infinite research, being humble and listening.” “The main character has autism, so we need to understand and respect that in our show. We still find ourselves trying to figure out what that means — there isn’t an exact answer,” McTiernan says. “My goal is to try and make that (representation) as respectful and as artful as I can.” And that has developed both from research and from McTiernan’s own experiences with family members, friends and others on the spectrum. “Come with an open heart,” McTiernan says to audience members. “It’s a beautiful piece of art that is brilliant and emotionally impactful.” “While Christopher’s autism is never mentioned, it is clear he is on the spectrum. We are honored to bring to the campus community a play that centers on a neurodiverse character,” says Libkin. For 25 years, Libkin headed the musical theatre degree programs at Penn State, where he was a professor of theatre. He retired in December 2015. Libkin also was Penn State’s Nagle Musical Theatre Endowed Chair of the school’s musical theatre BFA program, and MFA programs in directing for the musical theatre stage, music directing and vocal pedagogy for musical theatre. He is a member of the Stage Directors and Choreographers Society, and is an active freelance director. Directing credits include work at Steppenwolf Theatre, Kentucky Shakespeare Festival, Music Theatre of Wichita and Pennsylvania Centre Stage. Libkin now resides in Maine and continues to work as a freelance director, teacher and master clinician, coach and musical theatre program consultant. Tickets are \$12 and available online or by calling the box office, 581.1755. Admission is free for students with a valid MaineCard. To request a reasonable accommodation, contact Birdie Sawyer, 581.2584, [fredrick.sawyer@maine.edu](mailto:fredrick.sawyer@maine.edu). The show is co-sponsored by the School of Performing Arts and the Cultural Affairs/Distinguished Lecture Series.

#### Boothbay Register reports on partnership between DMC, Bigelow Lab

13 Nov 2019

[Boothbay Register](#) published a University of Maine Darling Marine Center news release about the collaboration between the Walpole-based center and Bigelow Laboratory for Ocean Sciences in East Boothbay. Leaders of the scientific institutions regularly look for opportunities to strengthen the longstanding partnership, such as through Maine eDNA, a new \$20 million research and education collaboration. The project, funded by the National Science Foundation, takes advantage of new breakthroughs in DNA technologies that allow researchers to identify organisms based on how their DNA is distributed in the water. The ultimate goal of this “forensics for the ocean” is to better track the health of Maine’s fisheries and coastal ecosystems, the article states.

#### UMaine mentioned in Mount Desert Islander article on historical society leadership

13 Nov 2019

[Mount Desert Islander](#) mentioned the University of Maine in an article about a change in leadership at the Mount Desert Island Historical Society. Raney Bench will be the next executive director, while Tim Garrity, who has led the organization since 2010, will assume a position as the society’s historian, the article states. The organization plans to expand its educational and community outreach programming and increase its capacity for historical research, writing and teaching. It aims to build on active relationships with Mount Desert Island schools, UMaine and College of the Atlantic, according to the article.

#### Lincoln County News covers Project Share Day with DMC students

13 Nov 2019

[The Lincoln County News](#) reported students at Lincoln Academy in Newcastle exchanged ideas with students from the University of Maine’s Darling Marine Center at the first Project Share Day. “It’s a show-and-tell, an exchange of ‘this is what we’ve done this semester at the college level and the high school level.’ So it’s a very casual way of cross-pollinating,” said Lu-Shien Tan, director of admissions at Lincoln Academy. Six Lincoln Academy students participated in the event, which was open to the public, with a variety of hands-on, independent projects on display. Seven students currently enrolled in the Semester By the Sea at the DMC attended the event to share their research projects, according to the article. Among the collegiate projects were studies of plankton communities in the Damariscotta River estuary, tropical reef ecosystems, bee decision-making and ecology, the correlation between body measurements of sharks and overfishing, shellfish aquaculture, shark attacks, and culling the invasive lionfish in tropical Curacao, the article states.

#### Outdoors columnist shares Dill’s tick advice

13 Nov 2019

Outdoors columnist V. Paul Reynolds recently shared information about ticks provided by Jim Dill, a pest management specialist with the University of Maine Cooperative Extension, who appeared as a guest on his call-in radio program, “Maine Outdoors.” Along with Lyme disease, deer ticks carry other bacteria and viruses, including babesiosis and anaplasmosis, the article states. According to Dill, the Tick Lab at the Cooperative Extension Diagnostic and Research Laboratory has tested 1,800 ticks that have been submitted to the facility since April. Of those ticks tested, Dill said that about 40 percent of the ticks carried at least one prevalent infection. Dill recommends always checking for ticks after spending time in the woods and using a spray for clothes that contains Permethrin. [The Piscataquis Observer](#), [Sun Journal](#) and [Machias Valley News Observer](#) carried the column.

#### CNN cites UMaine Extension in report on how to not waste produce

13 Nov 2019

Information from the University of Maine Cooperative Extension was included in the [CNN](#) report, “How to stop throwing away your veggies and fruit.” The article included tips on how to choose the freshest fruits and vegetables, clean and store them properly and be assured at least a few more days of usable life. The report states that according to UMaine Extension’s [guidelines](#) on storing garden produce, corn should be eaten immediately, but if it’s still in the husk, it might last in the fridge for one to two days.

#### Six alumni honored for leadership, community service with Harris Awards

14 Nov 2019

The University of Maine Foundation presented one alum from each of UMaine’s colleges with the President Abram W. Harris Award. The award was established in 2003 by President Harris’ grandson Abram “Pete” W. Harris III and his friend Marion Waterman Meyer, both UMaine alumni. Each award recipient demonstrates exemplary and extraordinary leadership, contributions to his or her community and/or service to UMaine — the essence of Harris’ efforts as the president of the University of Maine from 1893 to 1901. The recipients are George Singal, Eric Venturini, Matthew McHatten, Anthony Paine, Bruce Albiston and Betsy MacGregor Webb. A news release about the award recipients is [online](#).

#### Maine Policy Scholars present on pressing issues

14 Nov 2019

Four University of Maine System students gave their final presentations Nov. 8 as Maine Policy Scholars. The scholarship recipients presented their research to four panelists, friends and family, and the broader UMS community. The Maine Policy Scholars program was established by Peter Cox and supported by many donors. It engages UMS students in the public policy process. Working alongside a faculty adviser, students tackle a real-life policy issue facing Maine. After conducting extensive research, the scholars produce a final report in the form of a memo to the governor or appropriate policymaker outlining the issue, available data and recommended policy solutions. Among the four scholars presenting this year was Taylor Cray, a political science and women's, gender, and sexuality studies double major at UMaine. Cray worked with faculty adviser and political science professor Amy Fried on the project, "Maine: Worth a Lifetime? A Study of Maine's Aging Population and the Lack of Young People Settling in the State." The panelists offered critiques and questions regarding the scholars' research, but also provided recommendations on how to get their projects enacted into policy solutions. The Maine Policy Scholars program is managed by the Margaret Chase Smith Policy Center at UMaine in partnership with the Maine Community Foundation. More information is on the Margaret Chase Smith Policy Center's [website](#).

#### **BDN reporter shares experience with Maine Animal Club at Witter Farm**

14 Nov 2019

A [Bangor Daily News](#) reporter wrote about an event hosted by the Maine Animal Club at the University of Maine's J. Franklin Witter Teaching and Research Center. The student club has hosted the Milk-a-Cow event at the farm for the past three years, according to the article. "We thought it was a good idea because it's a good way to promote farming and dairy farming to the public," said Hadley Moore, president of the Maine Animal Club. "Most people may not have family members that own a farm [but] it's important for people to understand what goes into the care of animals." Moore said the event, which serves as a fundraiser for the club to travel to events like out-of-state animal science competitions, livestock judgments and quiz bowls, took off last year, ballooning from a couple dozen attendees the previous year to over a hundred, including families and kids.

#### **NBC News cites Socolow in report on impeachment hearing coverage**

14 Nov 2019

[NBC News](#) quoted Michael Socolow, associate professor of communication and journalism at the University of Maine, in the article, "Impeachment hearings play big on TV, less so with viewers." The first public hearing in the impeachment inquiry against President Donald Trump was broadcast on the three major networks, as well as cable news, which aired wall-to-wall live coverage, according to the article. The hearing also was streamed live on most major digital platforms and dissected on Twitter, the article states. "The story is being amplified tremendously through new channels. But in 1998, during the impeachment of Bill Clinton, the networks had a much larger impact than any single medium," said Socolow, adding that today's media landscape is far more fragmented.

#### **Dagher, 3D printing featured in Economist podcast**

14 Nov 2019

The Economist podcast, "[Baggage](#)," interviewed Habib Dagher, executive director of the University of Maine Advanced Structures and Composites Center, about 3D printing. The UMaine Composites Center recently unveiled the world's largest prototype polymer 3D printer and largest 3D-printed object, a 25-foot patrol boat. The Economist also published an [article](#) about the 3D printer and boat.

#### **'The Maine Question' podcast explores unique career path of Tony Award-winner Holder '80**

14 Nov 2019

The latest episode of the University of Maine podcast "[The Maine Question](#)" asks how to get from the Maine woods to Broadway. In the fourth episode of the first season, host Ron Lisnet speaks with lighting designer Don Holder, UMaine Class of '80, about his unique career path. Holder has worked on Broadway, in film, television, opera and dance across the globe. His lighting designs have earned 13 Tony Award nominations and two Tonys — most notably for Disney's "The Lion King," which garnered him his first award in 1998. That show continues to fill the seats on Broadway and around the world. In 2008, he won a second Tony for lighting the Broadway revival of "South Pacific." In this episode, Holder tells his story — beginning in the late '70s when he was, of all things, a forestry major at UMaine. Find the podcast on [iTunes](#), [Google Play](#), [SoundCloud](#), [Stitcher](#), [Spotify](#) and "The Maine Question" [website](#). New episodes will be added every Thursday this season. For more information or to suggest topics of interest, email [mainequestion@maine.edu](mailto:mainequestion@maine.edu).

#### **University Bookstore part of national video game tournament**

15 Nov 2019

The Independent College Bookstore Association is partnering with the American Video Game League (AVGL), a leading collegiate esports organization owned by BoomTV, to launch the first esports tournament series integrated with college bookstores nationwide. The organization has partnered with 10 campus bookstores, including UMaine's University Bookstore, to start the AVGL Masters: Campus Gaming Series. To participate, players must visit University Bookstore, lower level of Memorial Union, and scan a QR code on an event poster. Once registered, players will compete 3–9 p.m. Nov. 23 in a Fortnite tournament. Participants can play any time during the six-hour window and their top five games will count toward their score. The top players will receive prizes including a gaming laptop, headset, backpack and wireless router provided by several sponsors. Registration, which must be done at University Bookstore, is free and open to anyone 18 years or older. The tournament will take place on the [BoomTV](#) esports platform. Full tournament rules are [online](#).

#### **Call for proposals to support cultural events**

15 Nov 2019

The Cultural Affairs/Distinguished Lecture Series Committee is accepting grant applications from the University of Maine community through Nov. 25 for projects starting on or after Dec. 23. Past awards have supported lectures, Culturefest, the International Dance Festival, exhibits, performances and guest artists. Grants support as much as 50 percent of expenses associated with events that enhance the artistic, cultural and intellectual life of UMaine. The CA/DLS committee accepts applications four times a year. Proposals must be submitted online using the [CA/DLS Grant Application Form](#). Grant application guidelines and more information about the Cultural Affairs/Distinguished Lecture Series are [online](#).

#### **UMaine community giving back during holiday season**

15 Nov 2019

*Editor's note: This is not a complete list; additions may be made.* Several University of Maine groups are leading charitable efforts to give back to the community throughout the holiday season. The Black Bear Exchange, UMaine's food pantry and clothing exchange, will provide Thanksgiving meals to families in need. Registration is open until Nov. 21, and meals must be picked up between 11:30 a.m. and 5 p.m. Nov. 25. For more information, contact Lisa Morin at 581.4194, [lisa.morin@maine.edu](mailto:lisa.morin@maine.edu). The Bodwell Center for Service and Volunteerism is collecting food items for Thanksgiving meal baskets for those in need. Requested items include turkeys (10–12 pounds), stuffing, carrots, butternut squash, cranberry sauce, canned vegetables, turkey gravy and pie. Items can be dropped off at the Bodwell Center on the third floor of the Memorial Union through Nov. 21. UMaine Athletics will host a food drive at the football game against the University of Rhode Island at noon Nov. 16. Each person who brings an item to donate will receive \$5 off a future hockey ticket. All items collected will be donated to the Black Bear Exchange. The Maine Business School's MBS Corps is partnering with the Salvation Army to support the organization's Adopt-A-Family program. Members of MBS Corps will table in the lobby of the D. P. Corbett Business Building from Dec. 2–13 to collect gifts for families in need. Alpha Tau Omega will host its annual Blue and Gold Christmas, a philanthropy event that collects donations of non-perishable food items, toiletries and clothing. This year, donations will be given to Bangor-based nonprofit Partners for Peace. Teams from Greek Life and other student organizations will be given a tree to decorate, along with a donation box. The trees will be on display in the Memorial Union from Dec. 3–14. UMaine's annual employee holiday lunch will take place at Wells Conference Center 11 a.m.–1 p.m. Dec. 10. Members of the Classified Employees Advisory Council (CEAC) and Professional Employees Advisory Council (PEAC) will be in the lobby of Wells collecting nonperishable food items and household supplies to benefit the Black Bear Exchange. Golden Key also will be accepting new hats, gloves, mittens, scarves and socks as part of its annual Winter Warmth Drive. Pi Beta Phi and Phi Gamma Delta (FIJ) will host the annual Pi Phi/FIJ Christmas event from 6–8 p.m. Dec. 13 at the FIJ fraternity house, 79 College Ave. Donations of new, unwrapped toys for Crossroads Ministries Resource Center in Old Town will be collected during the reception. Light refreshments will be served. UMaine Dining is holding a food drive to benefit Crossroads Ministries. Donations to the food drive can be made at Hilltop Dining, Wells Central, York Dining and the Bear's Den through Dec. 20.

#### **UMaine part of national esports series, Campus Technology reports**

15 Nov 2019

[Campus Technology](#) reported the Independent College Bookstore Association is collaborating with the American Video Game League (AVGL) to develop the AVGL Masters: Campus Gaming Series. The esports competition will take place online on BoomTV and student gamers will be required to register for the Fortnite tournament at their college bookstore. The pilot tournament will take place Nov. 23, with a large-scale tournament series to follow in spring 2020, according to the report. The University of Maine is one of 10 schools taking part in the tournament.

#### **Stanley quoted in Pine Tree Watch feature on veteran gardener**

**15 Nov 2019**

Liz Stanley, community education assistant with the University of Maine Cooperative Extension, was quoted in a [Pine Tree Watch](#) article on veteran gardener Sharon Turner. Turner teaches three adult education classes and is a resource for midcoast residents who seek to create more wildlife-friendly landscapes, according to the article. Turner's classes take students into the field, visiting each others' properties and then having a final get-together at her farm, the article states. Stanley, who coordinates the Master Gardener Volunteer Program for UMaine Extension in Knox, Lincoln and Waldo counties, said that even for experienced gardeners, the visit to Turner's place can be transformative. "There's so much to see: Planting and growing techniques, different methods of weed management, types of season extension, pathways connecting 'rooms' of different production gardens, and songbirds to watch and hear," Stanley said. "On one spring visit, our group couldn't even converse through the continuous birdsong. And of course there's always a plant you've never seen and must have."

#### **King urges energy secretary nominee to invest in UMaine research, Maine Public reports**

**15 Nov 2019**

[Maine Public](#) reported that at a hearing before the Senate Energy and Natural Resources Committee, U.S. Sen. Angus King urged Energy Secretary nominee Dan Brouillette to continue to invest in innovative programs like those at the University of Maine, which are developing wood-based alternatives to plastics. "Reassure me that your commitment will be to a strong and vigorous and forward-looking research whether it be in the national labs or through the department," King said. He added the Energy Department's \$20 million grant to UMaine and the Oak Ridge National Lab in Tennessee is an example of research that will lessen the dependence on plastics and other oil-based products.

#### **Mayewski speaks about Everest expedition on 'Big Blue Marble' podcast**

**15 Nov 2019**

Paul Mayewski, director of the Climate Change Institute and professor in the School of Earth and Climate Sciences at the University of Maine, was a recent guest on "[The Big Blue Marble](#)" podcast with Anwar Knight. In the episode titled, "A Window into the Planet — 29,000 Feet in the Making," Mayewski spoke about his experience as the Everest Expedition leader and lead scientist for The National Geographic and Rolex Perpetual Planet Expedition on Mount Everest, an international project involving 55 science partners, National Geographic staff, journalists, Sherpas and porters. "It's the highest place on Earth and perfect to investigate the potential impacts of climate change," Mayewski said of Everest.

#### **Media cover launch of UMaine Arctic network**

**15 Nov 2019**

[WABI](#) (Channel 5), [WVII](#) (Channel 7) and [Maine Public](#) reported on the celebratory launch event of UMaine Arctic. The University of Maine program aims to facilitate interdisciplinary collaborations in New England with a diverse expertise network of regional academic faculty and staff involved in research, education and outreach related to the Arctic. The event featured displays of Arctic-related research by UMaine faculty and graduate students, according to WABI. "What's happening in the Arctic does not stay in the Arctic as one of our colleagues likes to say," said Christopher Gerbi, a professor in the UMaine School of Earth and Climate Sciences and associate dean for research in the College of Natural Sciences, Forestry, and Agriculture. "The oceans flow down between Greenland and Canada and come straight into the Gulf of Maine. That affects temperatures, salinity, and that affects marine life, which has huge ties to any of the fisheries, and then the coastal communities that rely on those are going to be affected by the economic challenges." [Bangor Daily News](#) and [Saving Seafood](#) carried the Maine Public report.

#### **NCAAE Founder's Award named for Sandweiss**

**15 Nov 2019**

At the 38th Annual Northeast Conference on Andean Archaeology and Ethnohistory (NCAAE) at Brown University, the first Dan Sandweiss NCAAE Founder's Award was presented to Richard Daggett of the University of Massachusetts at Amherst, in recognition of long-term and active support of the Northeast Conference on Andean Archaeology and Ethnohistory and "Andean Past," founded by Dan Sandweiss at Cornell University in 1982. Sandweiss also edited or co-edited the proceedings from the first three NCAAEs and then, in 1987, established the open submission, peer-reviewed interannual journal "Andean Past," published until 2013 by the Cornell University Latin American Studies Program. Since then, it has been an [open access journal](#) on UMaine DigitalCommons through the University of Maine. The lead editor is now Monica Barnes. The annual conference is hosted by an [institution](#) in the Northeast and eastern Canada.

#### **Bradley Denholm: Engineering student designs programming solutions for AMC**

**15 Nov 2019**

A family connection brought Bradley Denholm to the University of Maine from Kempton Park in Johannesburg, South Africa. The opportunity to contribute daily to projects designed for Maine businesses kept him here. That connection was Denholm's grandfather, William "Bill" Bacigalupo, who graduated from UMaine in 1966 with a degree in mechanical engineering. Nearly 50 years later, a scholarship from the Class of 1966 Scholarship Fund confirmed Denholm's choice, and he began classes in fall 2014. Denholm says his interest in engineering arose from a lifelong inclination for working with his hands, taking things apart and putting them back together. He recalls spending much of his childhood building and flying model airplanes with his father. Now a fifth-year student in electrical engineering and computer engineering, he spends his days at UMaine's Advanced Manufacturing Center devising programming solutions for the center's business clients, bridging academics and real-world experience. The AMC is a 30,000-square-foot, first-class facility within the College of Engineering, equipped with the latest manufacturing technologies to provide a link between UMaine engineers and the campus departments and Maine businesses that benefit from their skills and innovation, contributing to in-state economic development. One of Denholm's latest achievements was designing a streamlined production method for PackGen, an Auburn, Maine-based company that specializes in manufacturing industrial shipping containers. He was tasked with designing the entire control system for a machine, and researching and selecting components. The machine developed at the AMC automates the process used to make the container liners for PackGen. According to Denholm, PackGen's current process requires two operators and takes two minutes, while his method requires one operator and cuts the time to 20–30 seconds per liner, an 80 percent decrease in cycle time for production. "It was a lot of responsibility, as a student. It was an incredible experience. As an undergrad working on an industry project that's going to be used on manufacturing every single day, by real operators, there's a lot of real-world experience that it gave me that you just don't get in a classroom," Denholm says. "This was for a Maine-based company, to help the state's economy and not just something theoretical." And he says leading a project with that level of responsibility comes from his background of long-running experience at the center. Denholm began working at AMC in May 2015, and has since worked on numerous projects for clients including Auburn-based The Strainrite Companies, Oxford-based Grover Gundrilling and UMaine's Climate Change Institute. Primarily, Denholm manages the center's IT systems and takes on any programming projects that arise. He says he came into the job with little experience, but quickly learned and grew into the role. Now he's training another student in the same position. Working at AMC has led to several other job opportunities, Denholm says, and has given him wide-ranging work experience. "As a high-level system integrator programmer, it makes me a better low-level designer because I know what the end user is going to need out of the product," says Denholm. "And then vice versa, knowing the low-level engineering allows me to be a better system integrator because I understand how the low-level stuff is working, so if there's any problems or tricky setups, it's nice to be able to do it." Outside of work and classes, Denholm has participated in Club Field Hockey, and was an Engineering Ambassador for two years working with middle and high school students to raise interest in STEM and empower future leaders in engineering, attending the Engineering Ambassador Northeast Regional Workshop at Worcester Polytechnic Institute in October 2015. Denholm also joined the Figure Skating Club this past semester, and enjoys working out, creating personal electronics projects, growing plants, fishing, hiking, riding his moped and spending time by the Stillwater in the summer. In the spring, he finished his capstone, which was titled "Don't Fret" and consisted of a prototype device and control system "that will hopefully in the future allow a person, with the use of their fretting hand, to play any four-course string instrument using a MIDI controller (foot pedals, keyboard, etc.)." Denholm plans to finish his degree while continuing to work at the AMC, innovating to bring new technologies to Maine companies and help them stay competitive and connected to the latest advances in technology. Contact: Cleo Barker, 207.581.3729

#### **Survey participants needed for kombucha study**

**18 Nov 2019**

Do you make kombucha at home, or are you interested in learning how to make the beverage? Researchers at the University of Maine are seeking Maine residents who are at least 18 years old and want to ferment their own kombucha. Kombucha-makers and those interested in the fermented beverage made with tea will be asked to answer questions and watch a short video about safely making the drink. The study's principal investigator is Jacob Rich, a graduate student in food science and human nutrition, who is working



under the direction of Mary Ellen Camire, a professor in the UMaine School of Food and Agriculture. The 35-minute research survey is available [online](#). For more information, contact Rich, [jacob.rich@maine.edu](mailto:jacob.rich@maine.edu); 781.475.3862.

#### **UMaine holds flag raising, barbecue honoring veterans, WABI reports**

**18 Nov 2019**

[WABI](#) (Channel 5) reported the University of Maine held a flag raising ceremony and community barbecue Nov. 15 as part of weeklong programming to honor veterans. Army and Naval ROTC raised flags in front of Fogler Library, and live music was provided by UMaine student and combat veteran Michael Morse. The hope was for people to realize that everyone should be actively involved in our democracy, the report states. “We’re trying to say to our students, our faculty and our staff that the constitutional freedoms we enjoy, the constitutional rights we enjoy, they’re thanks to the people serving in the military,” said Robert Dana, vice president for student life. “We want people to understand that this is not a bystander activity, we all have to be involved in the democracy in which we live.”

#### **President Ferrini-Mundy quoted in BDN editorial on postsecondary education**

**18 Nov 2019**

Joan Ferrini-Mundy, president of the University of Maine and University of Maine at Machias, was quoted in the [Bangor Daily News](#) editorial “There is value in education beyond high school, no matter where you go to school.” “We need people to be lifelong learners,” said Ferrini-Mundy. The goal is for higher education “to suit a student’s own opportunity for purposeful work,” she said, and that can take many forms including liberal arts colleges, universities, community colleges, career and educational centers or training centers.

#### **WABI covers panel on UMaine, National Geographic Everest expedition**

**18 Nov 2019**

[WABI](#) (Channel 5) covered a Nov. 15 event titled “The University of Maine’s Role in the National Geographic and Rolex’s Perpetual Planet Extreme Expedition to Mount Everest.” The panel discussion held on campus included six UMaine faculty members and students who went on the expedition. The scientists spoke about the role humans play in one of the world’s most extreme environments, with the goal of helping people better understand climate change and water availability, WABI reported. “Right now the only information we have for these very high elevation areas comes from models. We want to find out if these models are making good predictions,” said Paul Mayewski, director of the Climate Change Institute. “So we conducted all sorts of activities and placed automatic weather stations and drilled ice cores, did water and snow sampling, lake coring, looked for what sort of biology is at these high elevations and then some very detailed mapping.”

#### **UMaine dairy herd ranks among cream of US Holstein crop**

**19 Nov 2019**

The Holstein Association USA announced this month that the University of Maine’s J.F. Witter Teaching and Research Center’s dairy herd will receive the 2019 Progressive Breeders Registry Award and the 2019 Progressive Genetics Herd Award. The Witter herd has the distinction of being the only dairy in Maine to receive both awards. To evaluate the herd, the Holstein Association USA evaluates each animal on 18 physical traits relative to their age, milk production history and stage of lactation. The J.F. Witter Teaching and Research Center at UMaine is part of the Maine Agricultural and Forest Experiment Station, and includes Witter Farm and Rogers Farm. In addition to housing research that supports Maine’s dairy, sheep and equine industries, Witter Farm serves as a training facility for UMaine’s animal and veterinary science students, who take foundational courses there and eventually assume responsibility caring for the herd in a laboratory course informally called UMAD COWS (UMaine Applied Dairy Cooperative of Organized Working Students). The farm’s applied learning environment provides students with animal husbandry and handling skills essential to success in veterinary school and working in the livestock industry. It also teaches them universal job skills like reliability and punctuality. To prepare for the Holstein Association’s classification inspection, students arrived at the barn one hour earlier than usual, at 2:45 a.m. rather than 3:45 a.m., to ensure the cows and facility were spotless. “Our students pour their hearts into their work here,” says Lizz McLaughlin, Witter Farm’s livestock operations manager. “Most have little to no prior experience with dairy cattle before taking UMAD COWS. I can train them on all of our chore procedures, but I can’t train them to care. Caring and dedication is what really makes this place work.” To learn more, visit the center’s [website](#) or stop by during public visiting hours 8 a.m.–4:30 p.m. Monday through Friday.

#### **National Geographic quotes Mayewski in article about melting glaciers**

**19 Nov 2019**

[National Geographic](#) quoted Paul Mayewski, director of the Climate Change Institute and Distinguished Maine Professor in the School of Earth and Climate Sciences at the University of Maine, in the article “What happens when the roof of the world melts?” Mayewski also was the leader of the 2019 National Geographic and Rolex Perpetual Planet Extreme Expedition to Mount Everest to study glaciers in Nepal. As glaciers melt and retreat, they scrape out part of the mountain that fills with water to form a lake, and leave ridges of debris called moraines that serve as natural dams, according to National Geographic. “The challenge with glacial lakes is that the risks are constantly changing,” he said. For example, many moraines holding back glacial lakes are naturally reinforced with chunks of ice that help stabilize the structure, and if the ice melts, the moraine could fall, the article states. “Figuring out how water flows through glaciers is not so trivial,” said Mayewski.

#### **UMaine to offer online graduate program in human nutrition**

**19 Nov 2019**

The University of Maine’s School of Food and Agriculture will offer a new online graduate program for aspiring registered dietitians and other food or health professionals. For registered dietitian nutritionists who want to earn a master’s degree, the new online programs provide convenient educational access. Maine’s dietitians prevent and treat malnutrition, food insecurity and obesity — all problems that affect the health and well-being of Mainers. UMaine’s dietetics program serves demand for this care as the only education program in the state accredited by the Accreditation Council for Education in Nutrition and Dietetics. The 30-credit Master of Science in Food Science and Human Nutrition, available starting fall 2020, is a nonthesis option that will offer students broad, advanced exposure to their field. The curriculum includes professional development courses that will emphasize ethics, communication, and cultural competence, knowledge, and skills necessary for success as food industry and nutrition professionals. The 12-credit Graduate Certificate in Human Nutrition was developed for current professionals seeking a career change or to expand their knowledge in nutrition. The certificate also is ideal for people working in food service administration, nursing and exercise science, as well as other health professionals who would like to learn more about nutrition and its role in health. The GRE admission requirement to the master’s program is waived for students who complete the Human Nutrition or Food Technology certificates. More information about UMaine’s human nutrition and food technology graduate programs is [online](#). Contact: Kathryn Yerxa, [kate.yerxa@maine.edu](mailto:kate.yerxa@maine.edu), 207.581.3109

#### **UMaine launches online graduate program for food industry professionals**

**19 Nov 2019**

The University of Maine’s School of Food and Agriculture will offer a new online graduate program for food and brewing industry professionals starting in January 2020. The 12-credit Graduate Certificate in Food Technology was developed for aspiring entrepreneurs, current professionals and those with a science or engineering background who wish to work in the food industry. In the United States, more than 1.5 million people work at 26,000 food companies. The food and beverage industry faces complex demands — including consumers who want healthier foods, an increasing number of food safety regulations, and concern for socioeconomic and environmental effects of food production and manufacturing. The curriculum in UMaine’s new program integrates the latest in food science with the core concepts of the food production industry. Students will develop scientific and practical knowledge and learn how to critically assess current research to solve real-world food issues. Graduates will be prepared for careers in health food markets, brewing, product development, agricultural processing, food safety and quality, research and development, and preservation and packaging. Completion of the certificate waives the GRE admission requirement for the new online Master of Science in Food Science and Human Nutrition. The 30-credit Master of Science in Food Science and Human Nutrition is a nonthesis option that will offer students broad, advanced exposure to their field. The curriculum includes professional development courses that emphasize ethics, communication, and cultural competence, knowledge, and skills necessary for success as food industry and nutrition professionals. More information about UMaine’s human nutrition and food technology graduate programs is [online](#). Contact: Mary Ellen Camire, [camire@maine.edu](mailto:camire@maine.edu), 207.581.1627

#### **Margaret Chase Smith Policy Center launches online forum**

**20 Nov 2019**

The University of Maine's Margaret Chase Smith Policy Center and its publication Maine Policy Review have created a new digital publication series titled "Maine Policy Perspectives." The online forum consists of a roundtable discussion of pressing policy issues that are under debate by policymakers at the local, regional, national and international levels. Adhering to the nonpartisan commitment of the Margaret Chase Smith Policy Center, "Maine Policy Perspectives" brings together world-renowned experts and local policy specialists to debate all sides of an emerging policy issue from a variety of academic, sociocultural and professional standpoints. The first edition of "Maine Policy Perspectives" is available [online](#). It features a roundtable discussion of universal basic income, or UBI, a policy proposal to give every individual regardless of personal economic condition or employment status a monthly or annual stipend. The participants in the roundtable discussion come from a variety of backgrounds and they approach UBI based on its expense, current social programs, the disruptiveness of technology, the opportunity costs of exploring other options, the rising costs of living, increases in economic inequality, a desire to simplify welfare programs, as well as the moral and ethical implications of the program. Proposals or ideas for future roundtable debates can be emailed to Daniel Soucier, editor of "Maine Policy Perspectives," at [daniel.s.soucier@maine.edu](mailto:daniel.s.soucier@maine.edu). More information about "Maine Policy Perspectives" is on the Margaret Chase Smith Policy Center [website](#).

#### **Jones receives first-place poster award at national Honors conference**

**20 Nov 2019**

Samantha Jones, adjunct assistant professor of art and Honors College preceptor at the University of Maine, won first place in the Faculty Poster Session at the 2019 National Collegiate Honors Council (NCHC) Conference. Jones and co-presenters, fourth-year Honors history and anthropology double major Brianna Ballard and fourth-year Honors psychology major Raegan Harrington, were recognized in the category "Revitalizing an Existing Course." Their poster, titled "Of Hand and Mind: An Artist's Tools Applied to Honors," explored alternatives in experiencing Honors texts through visual art. By engaging with visual art and exploring creative skills that stimulate connections between materials and ideas, students engage with tools such as the idea book and studio projects, opening new avenues of expression and understanding. Jones, Ballard and Harrington were among 12 UMaine Honors faculty and staff and 16 Honors students who joined more than 2,000 of their peers from Honors programs and colleges around the country at the 2019 NCHC conference held in New Orleans, Louisiana, Nov. 6–10.

#### **UMaine to showcase cutting-edge research, green energy development Nov. 22**

**20 Nov 2019**

The University of Maine will host a presentation about its cutting-edge research and development of green energy and materials on Nov. 22. The presentation, titled "Cutting-Edge Tech," will begin at 3 p.m. in D.P. Corbett Business Building, Room 107. Vice President for Research and Dean of the Graduate School Kody Varahramyan will provide welcoming remarks. UMaine President Joan Ferrini-Mundy will introduce Habib Dagher, founding executive director of the Advanced Structures and Composites Center, who will present on large-scale additive manufacturing and offshore wind energy. An optional tour of the UMaine Composites Center will be held at 3:45 p.m. or immediately following the presentations. The tour will include the world's largest 3D printer; 3Dirigo, the world's largest 3D printed boat; and offshore wind energy technology. [Online registration](#) is required.

#### **Neurology Advisor magazine cites migraine research by Borkum**

**20 Nov 2019**

[Neurology Advisor](#) magazine cited research on migraines by Jonathan Borkum, an adjunct associate professor of psychology at the University of Maine. At least 95% of people with migraines have two or more common triggers, and the effects of those triggers have been traced back to essential normalities in energy metabolism, according to Borkum. "Certainly, the metabolic theory shifts the focus from the attack itself to the sequence of events, potentially beginning weeks beforehand, that culminate in an attack," he said. Triggers known to induce migraine attacks include psychological and physiological stress, lack of sleep, noise, and many components of diet and pharmacological therapies, the article states. The most common unifying factor among triggers is their "propensity to generate oxidative stress," said Borkum, who added that oxidative stress is the central disruptive process in migraine metabolism, initiated by a decline in brain energy. Focusing on metabolic causes of migraines could lead to a new approach to treatment, especially earlier intervention. "The metabolic theory of migraines shifts the focus from thinking of the migraine attack as a disorder that needs to be suppressed to thinking of the attack as an attempt by the brain to restore homeostasis after a threat to its functioning," said Borkum.

#### **WVII interviews Hayes about research on opioids, mother-baby relationships**

**20 Nov 2019**

[WVII](#) (Channel 7) interviewed Marie Hayes, a professor of psychology at the University of Maine, for a report about her research focused on the relationships between opioid-dependent mothers and their babies. "Opioids shut down the stress circuitry, which is why for people with extreme stress, such as extreme poverty, are vulnerable to addiction to drugs like alcohol or opioids," Hayes said. Hayes and her research team found that mothers being treated for opioid dependency weren't as responsive or sensitive toward their babies compared to nondependent mothers with similar socioeconomic backgrounds, WVII reported. This lack of attachment could be related to reduced oxytocin release. "We know that oxytocin is present in social interactions that are positive, like between parents and their children," said Hayes. Determining how this might affect a child in the long run requires more research. "You might surmise that the quality of the attachment relationship may not be optimum because it's during this three- to six-month period when these babies were tested, that the mother is the leader or the father is the leader in this attachment response," she said.

#### **Fowler's clear focus: Understanding drivers of Jordan Pond water clarity changes**

**20 Nov 2019**



[caption id="attachment\_74359" align="alignright" width="304"]

Rachel Fowler[caption] More than 3.5 million people took in spectacular views last year at Acadia National Park — including from atop Cadillac Mountain and at Thunder Hole. Rachel Fowler appreciates the view at Jordan Pond. The University of Maine research scientist calls the lake, which supplies drinking water to residents in the village of Seal Harbor and is one of the clearest bodies of water in the state, a crown jewel. Kayakers and other boaters can typically see to about 40 feet beneath the surface of the 150-foot-deep, glacier-formed mountain pool. As of late, though, Fowler says extreme storms may have impacted the water clarity of the pond, as well as other lakes and ponds in Maine. Fowler, who earned her doctorate in ecology and environmental sciences in 2019 at UMaine, strives to be a best possible steward of the pond. She's part of the collaborative Jordan Pond Buoy Project that involves the University of Maine Climate Change Institute, the National Park Service and Friends of Acadia. Since 2013, during ice-free months, the collaborative has deployed a state-of-the-art buoy in Jordan Pond. Each day, the 4-foot-tall, 3-foot-diameter buoy collects more than 1,400

measurements — including water temperature, pH, salinity, dissolved oxygen, organic matter and chlorophyll. Those measurements are posted twice daily on the Jordan Pond Buoy [website](#). While swimming isn't allowed in Jordan Pond, it is in nearby Echo Lake. Fowler says some people visit the Jordan Pond Buoy website to check the temperature to help them decide whether it's warm enough to head to Echo Lake for a dip. (Probably not many did Oct. 30, when the warmest water temperature of the day was 53.6 F.) A weather station mounted on the nearby Jordan Pond House monitors air temperature, wind speed and direction, rainfall and barometric pressure. All together, the measurements give researchers insights into the drivers of the change in the pond's water clarity. Fowler, a Maine native who grew up in the woods of Westfield, appreciates lakes. And she wants to protect them. "My research interests lie at the intersection of natural science and social and human systems," says Fowler. "I'm a lake ecologist. Changes are happening in Jordan Pond and this is an ideal place for me to apply my training." Because the 187-acre pond is within the boundary of Acadia National Park, its watershed is highly protected. Extreme storms, though, can result in increased organic matter ending up in the pond. Air pollution also affects the pond, says Fowler. Decades ago, sulfur and nitrogen emissions were negatively impacting the quality of Jordan Pond. But the 1990 amendment to the Clean Air Act reduced those emissions. And, eventually, Jordan Pond rebounded. People interested in following the project, learning more about researchers and seeing scenic photos of Acadia National Park are invited to visit the Jordan Pond Buoy project [website](#), as well as follow its accounts on [Instagram](#) (jpbuoy) and [Twitter](#) (@JPbuoy). In addition, people in the Jordan Pond House Restaurant waiting area who are anticipating a table to enjoy popovers and tea are invited to participate in an interactive iPad presentation about the project. Fowler says the buoy, which was pulled from the pond a couple of weeks ago, will be cleaned and its sensors examined and serviced, if necessary, this winter. "Now we're wondering what's happening below the ice," she says, adding that temperature and oxygen sensors may eventually be deployed throughout the winter. Contact: Beth Staples, [beth.staples@maine.edu](mailto:beth.staples@maine.edu), 207.581.3777

#### **Maine-eDNA an opportunity for DMC, Bigelow to collaborate, find solutions**

**20 Nov 2019**

The University of Maine Darling Marine Center and the Bigelow Laboratory for Ocean Sciences are pooling their expertise and resources for the Maine-eDNA initiative. Researchers on both sides of the Damariscotta River will be ocean forensic scientists as they track the health of Maine's fisheries and coastal ecosystems and seek solutions for challenges. More information about this collaboration is on the Darling Marine Center's [website](#). Contact: Jessica Stumper, [jessica.stumper@maine.edu](mailto:jessica.stumper@maine.edu), 207.563.8135

#### **Former FBI cyber official to talk about threats, challenges Nov. 25**

**21 Nov 2019**

James Burrell, former deputy assistant director of the FBI's Cyber Division, will discuss "Cybersecurity and Cyber Terrorism: Real Threats and Challenges" at 4 p.m. Monday, Nov. 25 in Hauck Auditorium. The Maine Business School at the University of Maine is hosting the free, public talk by Burrell, who retired in 2016 from the FBI. Burrell, who founded a cyber technology research firm, maintains advisory affiliations with governmental, nongovernmental, and other organizations, including the National Academies of Sciences, Engineering, and Medicine. For more information or to request a reasonable accommodation, email Nory Jones, Murphy Chair of Business and professor of management information systems, at [njones@maine.edu](mailto:njones@maine.edu).

#### **Morning Ag Clips announces registration open for Master Gardener Volunteer training**

**21 Nov 2019**

[Morning Ag Clips](#) announced registration is open for the University of Maine Cooperative Extension's 2020 Master Gardener Volunteer training program in Penobscot and Somerset counties. Classes will meet weekly 9 a.m.–12:30 p.m. Feb. 25 through May 21, and will resume for four weeks in September. Classes primarily will meet at the UMaine Extension Penobscot office in Bangor, and live video conference sites will be available in East Millinocket and Skowhegan, Morning Ag Clips reported. Program fee is \$220; limited financial assistance is available. Apply online by Jan. 31. For more information or to request a reasonable accommodation, contact Kate Garland, 207.942.7396; [katherine.garland@maine.edu](mailto:katherine.garland@maine.edu).

#### **UMaine to offer online graduate certificate in food technology, Mainebiz reports**

**21 Nov 2019**

[Mainebiz](#) reported the University of Maine will offer a 12-credit Graduate Certificate in Food Technology for aspiring entrepreneurs, current professionals and those with a science or engineering background who wish to work in the food industry. The program aims to prepare graduates for careers in health food markets, brewing, product development, agricultural processing, food safety and quality, research and development, and preservation and packaging, the article states. The program will integrate the latest in food science with the core concepts of the food production industry. Students will gain scientific and practical knowledge and learn how to critically assess current research to solve real-world food issues, as well as take professional development courses focused on ethics, communication, cultural competence, knowledge and other professional skills, Mainebiz reported. More information is [online](#).

#### **BDN reviews SPA production of 'The Curious Incident of the Dog in the Night-Time'**

**21 Nov 2019**

The [Bangor Daily News](#) reviewed the University of Maine School of Performing Arts production of "The Curious Incident of the Dog in the Night-Time," which opened Nov. 15 and runs through Nov. 24 in Hauck Auditorium. The play is written by Simon Stephens based on Mark Haddon's best-selling 2003 novel. The story focuses on Christopher Boone, a 15-year-old boy with autism who embarks on a "life-changing adventure" to solve a murder mystery, the BDN reported. Cary Libkin directs a cast of 10 students in the play, which utilizes "stunning technology that gives the production a cinematic feel," the article states. The music, sound, lighting and projected images help audience members "stand in Christopher's shoes and to feel what he feels. The work behind the scenes on this production is as fine as that of any professional company in the state," according to the article, which credited set designer Dan Bilodeau, lighting designer Christopher Annas-Lee, costume designer Michelle Handley and sound designer Curtis Craig for beautifully executing Libkin's vision for the play. "As Christopher, Elijah McTiernan gives an unforgettable performance ... only by stripping his soul bare as an actor is McTiernan able to portray how Christopher's condition keeps him closed off from his emotions and his parents," the article states. Vanessa Graham, who plays Christopher's teacher Siobhan, "exudes warmth as the one person Christopher can always return to for comfort." And Emilia Byrne as Christopher's mother Judy "emanates an unconditional love for her son despite her frustration with his behavior." According to the BDN, "Christopher's journey is beautifully told and almost perfectly executed in this production. McTiernan's multilayered performance and the show's technical wizardry deserve a wide audience and standing ovation."

#### **Dana, Neptune to 'preserve traditional culture in real time' at 25th annual holiday market**

**22 Nov 2019**

Barry Dana and Peter Neptune will demonstrate Wabanaki traditions at the Maine Indian Basketmakers Holiday Market on Saturday, Dec. 14 at the Collins Center for the Arts at the University of Maine. Both men have participated in the annual public event — a collaboration with the Maine Indian Basketmakers Alliance — since its inception 25 years ago. Dana, a citizen of the Penobscot Nation, will etch birchbark at 12:30 p.m. The self-described artist, activist and traditional-minded person living in Solon, Maine, says birchbark has been a Wabanaki staple for thousands of years. Native people have utilized birchbark — which is renewable, durable, moisture-resistant and laden with nutrients — to build homes, canoes and baskets, and as a source of medicine. When preparing to etch birchbark, Dana says he sketches with a pencil on the inside of a piece of birchbark. He then wets the bark and uses a pocket knife to scrape the design. When he etches faces of Native people, Dana wants their "spirit to come out of the bark. When I see a Native face, I want the eyes to sparkle." Demonstrating etching is a way to preserve traditional culture in real time, says the former chief of the Penobscot Nation. "I like showing how it's done," says Dana. The tradition bonds him with nature and creation. "It's a physical connection to the past and to ancestors I've never met," says the UMaine alumnus who earned degrees in forestry and education. Neptune, a 77-year-old Passamaquoddy, will demonstrate basketmaking at noon. His connection with the craft began about 70 years ago. As a child, he watched with interest when his mother and father wove baskets. He began collecting scraps they had discarded to make baskets of his own. Neptune's mother wove fancy baskets and his father made baskets that he sold to Down East fishermen. Neptune's mother occasionally gave him a small basket to take to the store to trade for soda and candy. Today, Neptune, a master basketmaker, weaves sturdy baskets that he embellishes with fancy touches. Similar to Dana, Neptune enjoys educating others about crafts and traditions. He has had plenty of practice with family members. His daughters Elizabeth "Maggie" Dana and Victoria Neptune apprenticed with him. And now Victoria is teaching her 16-year-old daughter Kira how to make baskets. Neptune also taught his sons Peter and Francis how to pound ash to use in basketmaking. Over the years, Neptune says the number of people attending the market has increased. And he appreciates seeing what younger Native people are creating. "I keep promising that I'm going to retire, but I say that every year," says Neptune, a veteran who for more than 30 years drove a bus in Washington County. One of Neptune's brown ash pack baskets (he believes he's made about 10,000) will be raffled at 3 p.m. In addition to brown ash and birchbark baskets, several other Wabanaki artistic traditions will be celebrated, including jewelry making, wood carving and clothing design. "I am amazed at how this event has expanded and evolved since we began the show in 1995," says Gretchen Faulkner, director of the Hudson Museum. "The market is not just a sale, but an opportunity for visitors to learn about Wabanaki history and culture through the day's schedule of educational programs. Attendees may also explore the museum's exhibits and see works created by the ancestors of the artists attending the show." The schedule of the free-admission market, which runs from 9 a.m. to 4 p.m., is as follows:

- 10 a.m. — Welcome ceremony
- 10:30 a.m. — Traditional Penobscot songs with Kelly Demmons, Penobscot
- 11 a.m. — Brown ash-pounding demonstration with Eldon Hanning, Micmac
- 11:30 a.m. — Reading the book "Canoe Maker: David Moses Bridges, Passamaquoddy Birchbark Artisan," with author Donald Soctomah, Passamaquoddy, in the Maine Indian Gallery

- Noon — Basketmaking demonstration with Peter Neptune, Passamaquoddy
- 12:30 p.m. — Birchbark-etching demonstration with Barry Dana, Penobscot
- 1 p.m. — Decontie & Brown fashion show with award-winning Wabanaki couture
- 2 p.m. — Burnurwurskek Singers, traditional drumming and dancing
- 3 p.m. — Drawing for the Hudson Museum Friends Basket Raffle — featuring a brown ash pack basket made by Neptune. Raffle tickets \$5 each; proceeds support the event.

Next December and going forward, the market will have a new name. To better represent participants and the diversity of crafts, its name will be the Wabanaki Winter Market. For more information, call 207.581.1904 and to request a reasonable accommodation, call 207.581.1226. Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

## UMaine Extension Master Gardener Volunteer training accepting applications

22 Nov 2019

University of Maine Cooperative Extension is accepting applications for the 2020 Master Gardener Volunteers training in Penobscot and Somerset counties. Classes will meet weekly Feb. 25 through May 21, 9 a.m.–12:30 p.m., primarily at the UMaine Extension Penobscot office in Bangor. Classes resume for four weeks in September. Live video conference sites also will be available in East Millinocket and Skowhegan with travel to the Orono area required for three sessions. UMaine Extension horticulture staff will collaborate with experts from around the state on gardening topics including soils, composting, landscape design, vegetables, tree fruits and small fruits. Participants are expected to contribute 40 hours of volunteer time in educational projects within a year of taking the training. Trainees will be connected with service projects that are best suited for their interests, skill set, schedule and location. The program fee is \$220; limited financial assistance is available. Apply [online](#) by Jan. 31. For more information or to request a reasonable accommodation, contact Kate Garland, 207.942.7396, [katherine.garland@maine.edu](mailto:katherine.garland@maine.edu).

## ‘The Maine Question’ podcast explores the child-free choice

22 Nov 2019

The latest episode of the University of Maine podcast “[The Maine Question](#)” asks what choosing to be child-free means for individuals and our society. In the fifth episode of the first season, host Ron Lisnet speaks with Amy Blackstone, a professor of sociology at UMaine, about the child-free choice. Blackstone also is the author of “Childfree By Choice: The Movement Redefining Family and Creating a New Age of Independence.” In this episode, Blackstone delves into what is perhaps the most personal and profound decision an individual, a couple or a family can make — the choice of whether or not to have children. It is a decision that is life-changing on a personal level, but also ripples out into communities as well as politics, immigration, tax issues and workforce development, among other areas. Find the podcast on [iTunes](#), [Google Play](#), [SoundCloud](#), [Stitcher](#), [Spotify](#) and “The Maine Question” [website](#). New episodes will be added every Thursday this season. For more information or to suggest topics of interest, email [mainequestion@maine.edu](mailto:mainequestion@maine.edu).

## Penobscot Bay Pilot, Republican Journal report Hutchinson Center to host historic photography exhibit

22 Nov 2019

[Penobscot Bay Pilot](#) and [Republican Journal](#) reported the University of Maine Hutchinson Center in Belfast will host a historic photography exhibit from the Penobscot Marine Museum titled “From the Cradle to the Grave,” focused on ship launches and shipwrecks. The free, public exhibit by photographer Ed Coffin will be on display Dec. 9 to March 6 in the H. Alan and Sally Fernald Art Gallery, which is open 8 a.m.–7 p.m. Monday through Friday. Most of Maine’s midcoast towns have been involved in building boats, ships and schooners, and the “birth” and “death” of ships have long held the public’s fascination, the article states. For more information or to request a reasonable accommodation, call Nancy Bergerson at 207.338.8049.

## Irja Hepler: Early College leads to hands-on engineering at ASCC

22 Nov 2019

Irja Hepler started working at the University of Maine Advanced Structures and Composites Center (ASCC) before college, when she landed an internship as a sophomore in high school. Now Hepler, a civil engineering major from Orono, is a senior at UMaine. “I really like math and I especially like applying it to the real world, which is exactly what engineers do,” she says. “I chose civil (engineering) because I want to build structures and I already had connections to the department.” Those connections arose from her internship at the ASCC during January Term (J-Term) her sophomore year at the Maine School of Science and Mathematics (MSSM), a public residential magnet high school in Limestone, Maine. J-Term is “an innovative 10-day program that provides students with the opportunity to dedicate themselves to a particular course or project,” according to MSSM’s website. Hepler’s internship led to a summer job that she held for the rest of high school and now continues year-round as a UMaine student. As a student research assistant, she works about eight hours a week during the semester and nearly full time during breaks. Hepler’s work encompasses data processing, file management, project finance and other tasks. “I do a lot with digital image correlation (DIC), which basically is a way to convert pairs of images of a test into engineering data. It’s a really powerful software,” she says. “My favorite tool is MatLab, which is a coding language. There really isn’t anything I’ve found that it can’t do, from processing and plotting data, to running the cameras for the DIC.” And she also has had the chance to work on a project for NASA. The project was designed to further understanding of the behavior of a hypersonic inflatable aerodynamic decelerator (HIAD), a cone-shaped structure made of inflatable rings called “tori” that can be used to slow down a spacecraft as it lands. “There’s a lot of force on something like that, and so they needed to know how the HIAD would react,” says Hepler. The ASCC team tested individual tori and the material used in the rings. Andy Young, a civil engineering Ph.D. student at the time, developed a model in MatLab to test tori virtually, supplementing the data from physical tests and reducing the high cost of constructing tori for them. “Working on it was really cool, especially since I’d been interested in space travel for as long as I could remember and now I was helping with some of the newest research to get us there,” Hepler says. Now she’s working on a project that involves designing and testing composite bridge girders. Her role focuses on data processing. Hepler says her internship was a significant factor in deciding to come to UMaine. “I didn’t realize before I worked at the ASCC that they were doing cutting-edge research right here in Orono, Maine,” says Hepler. And she was able to receive college credit for some of her MSSM classes through a dual enrollment program at the school. “MSSM was challenging, in a good way for the most part,” she says. “I was introduced to advanced engineering-related topics like calculus-based physics, differential equations and multivariable calculus, which I wouldn’t have seen otherwise. That exposure, and the study habits I built because of the difficulty of the classes definitely gave me an advantage when I came to UMaine.” After graduating in 2020, Hepler plans to pursue graduate school and do research at the ASCC. When she’s not working or in class, Hepler enjoys being outside — swimming, fishing and boating in the summer, cross-country and downhill skiing in the winter, and walking year-round. Contact: Cleo Barker, 207.581.3721

## Maine AgrAbility hosts webinar about assistive technology financing

25 Nov 2019

Maine AgrAbility will host a free webinar about alternative financing programs for assistive technology 3–4 p.m. EST Dec. 5. The webinar will examine services and resources available through the programs. Questions will be taken after the presentation. Register [online](#) by Dec. 2; instructions for access will be sent to registrants. Maine AgrAbility, a collaborative project of the University of Maine Cooperative Extension and Alpha One, is dedicated to helping farmers, fishermen and forest workers work safely and more productively. For more information contact 944.1533, [leilani.carlson@maine.edu](mailto:leilani.carlson@maine.edu).

## Lancaster Farming shares Cooperative Extension’s ideas for cranberries

25 Nov 2019

[Lancaster Farming](#) mentioned the University of Maine Cooperative Extension in its story about cranberries — which it called a great fruit all year long. Creative ways to use cranberries, according to the University of Maine Extension, include adding them to quick breads, salads, relishes, salsas, chutneys and desserts, and as an ingredient in cranberry mustard.

## Make family gifts from the kitchen with UMaine Extension

25 Nov 2019

University of Maine Cooperative Extension will offer a free program about making edible holiday gifts beginning 4–4:45 p.m. Tuesday, Dec. 3, at Porter Memorial Library in Machias. Classes meet each Tuesday through Dec. 17. “Family Gifts from the Kitchen” will focus on creating mixes using basic ingredients and learning healthy eating tips. Jars, ingredients and samples will be provided. Mixes will include oatmeal-raisin muffins, alphabet soup and homemade granola. Families who attend all three sessions will receive a gift bag on the last day. Children must be accompanied by adults. Register [online](#). For more information or to request a reasonable accommodation, contact Rita Stephenson, 207.255.3345; [rita.stephenson@maine.edu](mailto:rita.stephenson@maine.edu).

#### **Morning Ag Clips, Turner Publishing present Extension's Thanksgiving safety tips**

25 Nov 2019

[Morning Ag Clips](#) and [Turner Publishing](#) shared Kate Yerxa's tips to safely prepare a Thanksgiving meal. Yerxa is a University of Maine Cooperative Extension associate professor and registered dietitian. Her tips included how to properly thaw, cook and store turkey.

#### **Pen Bay Pilot, Republican Journal promote tuition-free courses for high school students**

25 Nov 2019

[Penobscot Bay Pilot](#) and [Republican Journal](#) ran a media release advancing a partnership between the Maine Department of Education and the University of Maine wherein tuition is waived for qualified high school students in the state to cover full tuition for as many as 12 college credits per year at UMaine. Eligible students are able to earn college credit while in high school. Starting Jan. 21, UMaine will offer more than 100 online and campus-based spring courses suitable for qualified high school students. Registration is [online](#).

#### **Penobscot Times reports UMaine student crowned Miss Maine USA**

25 Nov 2019

The [Penobscot Times](#) reported that University of Maine student Julia Van Steenberghe of Old Town was crowned Miss Maine USA on Nov. 10 in South Portland. She will represent the state in 2020 in the televised national Miss USA pageant. Van Steenberghe is a Presidential Scholar at UMaine, double majoring in elementary education and child development and family relations, according to the article. On campus, Van Steenberghe works at the New Balance Student Recreation Center and is a tour guide for the Admissions Office. "I pushed myself to be the best version of myself, both physically and mentally, and I am proud of the person I have grown into throughout this journey," the former UMaine cheerleader said in the article.

#### **Climate Reanalyzer cited in Stock Daily Dish story about brutal cold**

25 Nov 2019

[Stock Daily Dish](#) mentioned the University of Maine Climate Change Institute [Climate Reanalyzer](#) in a story about a cold snap in the Midwest that prompted the closing of dozens of schools Friday, Nov. 22. Cold weather advisories were in effect from North Dakota to Ohio, with cold wind chills that could dip to as low as 45 below zero (minus 42 Celsius) in northern Wisconsin and Minnesota and to 35 below (minus 37 Celsius) in parts of northern Illinois and Iowa, according to the story. "The University of Maine's Climate Reanalyzer notes that the temporary icy cold doesn't disprove global warming, despite what some non-scientists may claim. On Friday, the globe as a whole was 1.08 degrees (0.6 degrees Celsius) warmer than the 1979 to 2000 average," the piece concluded.

#### **Hutchinson Center announces restorative practices certificate program**

26 Nov 2019

The University of Maine Hutchinson Center will offer a six-session program on restorative practices beginning Dec. 5 and 6. Other sessions will take place Jan. 10, Feb. 13 and 14, and March 13. All sessions are from 9 a.m.–4 p.m. The focus of the program is the restorative approach, which emphasizes the importance of creating a positive, healthy school climate based on empathy, trust and respect. Research-based restorative practices are used in several Maine schools, juvenile correction facilities and youth-serving organizations. Professionals Carrie Sullivan and Sarah Matari will lead the program, which seeks to benefit participants from a variety of fields, including primary, secondary and post-secondary education; social work and family services; corrections; criminal justice and policing; nonprofit organizations; health care; and community development. Cost is \$600 per person for the six sessions and includes materials, a light breakfast and catered lunch. A limited number of need-based scholarships are available. Participants will receive a certificate in restorative practices and 4.2 continuing education units (CEUs)/42 contact hours upon completion of the program. Registration is [online](#). For more information or to request a reasonable accommodation, contact Diana McSorley, 207.338.8093; [diana.mcsorley@maine.edu](mailto:diana.mcsorley@maine.edu).

#### **School of Social Work offers online master's program information session**

26 Nov 2019

The School of Social Work at the University of Maine will offer an online information session about the Master of Social Work program 5:30–7:30 p.m. Thursday, Dec. 5. People interested in learning more about the fall 2020 program are invited to attend. The session will cover the application process and on-campus and distance learning options ranging from one to four years. Registration is not necessary. Join the Zoom webinar [online](#), or for audio attendance only, call 1.646.876.9923 or 1.669.900.6833, and enter the Meeting ID: 588 341 711. For more information, contact Sandy Butler, 207.581.2382, [sbutler@maine.edu](mailto:sbutler@maine.edu).

#### **Free Press previews 'What's Art Got to Do With It?' exhibit**

26 Nov 2019

[The Free Press](#) advanced the free, public opening reception for the exhibit "What's Art Got to Do With It?" 5:30-7 p.m. Friday, Dec. 13 at the University of Maine Hutchinson Center in Belfast. The exhibit features 29 portraits by Maine photographer Lynn Karlin and an 8-foot-by-16-foot community mural inspired by designs and words of Waldo County residents. For more information, or to request a reasonable accommodation, call Nancy Bergerson at 207.338.8049. The show runs through early March.

#### **WVII reports on student-athlete donations to food pantry**

26 Nov 2019

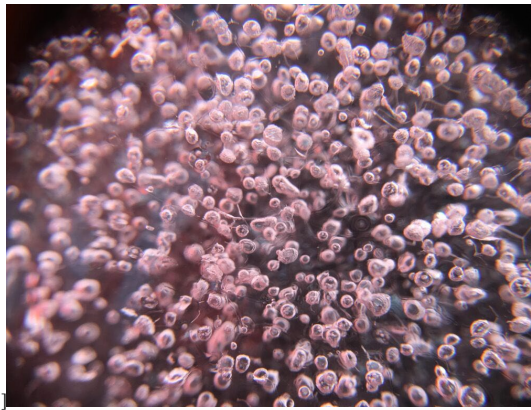
[WVII](#) (Channel 7) covered the University of Maine Student-Athlete Advisory Committee's presentation of a check for \$3,026 and more than 1,000 nonperishable food items to the Black Bear Exchange on-campus food pantry. The student-athletes collected the food during the "America East Food Frenzy," a conferencewide drive held each semester, according to the report.

#### **CCI teams with Princeton to analyze 2 million-year-old ice cores**

26 Nov 2019

Three University of Maine Climate Change Institute scientists are part of a Princeton University-led team that analyzed 2 million-year-old ice cores from Antarctica to provide the first direct observations of Earth's climate when furred early ancestors of modern humans still roamed. CCI associate professor Andrei Kurbatov, director Paul Mayewski, and doctoral student Heather Clifford participated in the research. The ice core data provides insights about how the current glacial cycle emerged. Up until about 1.2 million years ago, Earth's ice ages consisted of thinner, smaller glaciers that came and went every 40,000 years on average, say the researchers. Then, after what is known as the Mid-Pleistocene Transition, the current world characterized by colder and longer glacial cycles





of 100,000 years emerged. [caption id="attachment\_74431" align="alignright" width="475"]

Gas bubbles trapped in the cores contain pristine samples of carbon dioxide, methane and other gases that serve as “snapshots” of the ancient climate. Because ice flows and compresses over time, the cores the researchers retrieved are like scenes collected from a very long movie that do not show the whole film, but convey the overall plot. The researchers found that although a long-term decline in atmospheric carbon dioxide did not directly lead to today’s colder glacial cycle, temperature and global ice volume nonetheless tracked carbon dioxide closely. [caption] “It is great to see the immense research potential of the Antarctica blue ice areas — that we have recognized for decades at UMaine — are beginning to unveil the hidden secrets of Earth’s past climate,” says Kurbatov. The ice cores are from Allan Hills, where high winds help create environmental conditions that draw ancient ice toward the surface. Gas bubbles trapped in the ice cores — which are the oldest yet recovered — contain pristine samples of carbon dioxide, methane and other gases that serve as “snapshots” of prehistoric atmospheric conditions and temperatures, the researchers [recently reported in the journal Nature](#). The full Princeton Environmental Institute release can be read [here](#). Contact: Morgan Kelly, 609.258.2055, [mgnkelly@princeton.edu](mailto:mgnkelly@princeton.edu); Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

#### **Hutchinson Center exhibits historic marine museum photographs**

**02 Dec 2019**

Penobscot Marine Museum’s historic photography exhibit, “From the Cradle to the Grave” by photographer Ed Coffin, will be on display Dec. 9–March 6 at the University of Maine Hutchinson Center in Belfast. The free public exhibit in the H. Alan and Sally Fernald Art Gallery, open 8 a.m.–7 p.m. Monday–Friday, is a collection of two crowd-pleasers — ship launches and shipwrecks. The “birth” and “death” of ships have long held the public’s fascination. Most of Maine’s midcoast towns have been involved in building boats, ships and schooners. Watching the culmination of a year or more of construction and investment has been a spectacle not to be missed. On the flip side, the wreck of a ship evokes entirely different feelings, but the pull to see the tragic scene and to learn the grim story can be just as strong. For more information or to request a reasonable accommodation, contact Nancy Bergerson, 207.338.8049.

#### **Annual Wilson Peace Writing Prize deadline is Dec. 13**

**02 Dec 2019**

Leadership, civility and peace as reflected in Martin Luther King Jr.’s “Where Do We Go From Here: Chaos or Community?” is the focus of the 2020 Dorothy Clarke Wilson Peace Writing Prize, sponsored by the Wilson Center. Submission deadline is 5 p.m. Friday, Dec. 13. The winner will read the selected essay at UMaine’s annual Martin Luther King Jr. Breakfast on Jan. 20. More information about the annual \$500 Peace Writing Prize, open to all current University of Maine students, is [online](#).

#### **Turner Publishing, Morning Ag Clips preview beekeeping courses**

**02 Dec 2019**

[Turner Publishing](#) and [Morning Ag Clips](#) previewed University of Maine Cooperative Extension beginner and intermediate beekeeping courses, which will be offered at the UMaine Regional Learning Center in Falmouth beginning in January. The five-session beginner class meets 6–8 p.m. Jan. 7 to Feb. 4, with a second session Feb. 18 to March 17. Intermediate classes will focus on honeybee diseases and pests from Feb. 5–12, and queens and nucs for the backyard beekeeper from March 4–11. Both intermediate sessions will be held 6:30–8:30 p.m. The course fee includes a textbook, according to the articles. Registration is online. For more information or to request a reasonable accommodation, call 207.781.6099 or email [rebecca.gray@maine.edu](mailto:rebecca.gray@maine.edu).

#### **The Maine Edge publishes UMaine release on 25th annual Basketmakers Holiday Market**

**02 Dec 2019**

[The Maine Edge](#) published a University of Maine news release about the 25th annual Maine Indian Basketmakers Holiday Market on Saturday, Dec. 14. The event will feature demonstrations by birchbark artist Barry Dana, a citizen of the Penobscot Nation, and basketmaker Peter Neptune, a Passamaquoddy, among others. Admission is free for the market, which runs 9 a.m. to 4 p.m. in the Collins Center for the Arts. Next year, the market will be given a new name, Wabanaki Winter Market, to better represent participants and the diversity of crafts, according to the release. For more information, call 207.581.1904. To request a reasonable accommodation, call 207.581.1226.

#### **Penobscot Bay Pilot, Turner Publishing preview Master Gardener Volunteer training in Augusta**

**02 Dec 2019**

[Penobscot Bay Pilot](#) and [Turner Publishing](#) posted a University of Maine Cooperative Extension release announcing that [online](#) applications for the Master Gardener Volunteers Program for Kennebec, Franklin and Waldo counties will be accepted starting Dec. 13. Training begins 12:30–4 p.m. Jan. 27 at the Kennebec County UMaine Extension office in Augusta.

#### **Turner Publishing advances ‘Recipe to Market’ workshops**

**02 Dec 2019**

[Turner Publishing](#) advanced a series of half-day “Recipe to Market” workshops for food entrepreneurs, offered by University of Maine Cooperative Extension. Workshop topics include food entrepreneurship in the specialty food industry, business basics, an overview of the product development process, licensing and regulations, and food safety. Sessions will be offered 9 a.m.–noon on Dec. 2 at UMaine Extension Androscoggin-Sagadahoc Counties in Lisbon Falls, and on Dec. 17 at the UMaine Regional Learning Center in Falmouth. Registration is [online](#). For more information or to request a reasonable accommodation, call 207.781.6099 or email [ksavoie@maine.edu](mailto:ksavoie@maine.edu).

#### **Mitchell recent guest on ‘Maine Calling’**

**02 Dec 2019**

John Bear Mitchell, a citizen of the Penobscot Nation and coordinator of the University of Maine System Office Native American Waiver and Educational Program, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. Mitchell also is the outreach and student development coordinator at the University of Maine Wabanaki Center, and a lecturer of Wabanaki studies and multicultural studies. The show’s focus was Maine food traditions, including recipes and advice for making holiday dishes from various

communities.

## **Fremouw to compete at international level in wildwater canoeing**

**04 Dec 2019**

Some students spend their time outside of class on the basketball court, the hockey rink or the baseball diamond. Kell Fremouw traverses whitewater rapids in a canoe. The first-year engineering physics student from Orono competes in wildwater canoeing, a timed event in Class II to Class IV whitewater with both classic and sprint forms of racing. “I just love being on the water. It is cool to see all the wildlife that comes to the river,” says Fremouw, who also has a mechanical engineering concentration and is in the Honors College. “Kayaking and canoeing both involve your whole body, even your legs, so you can feel how every muscle is pushing you along the river. It is also incredibly fun to go through whitewater. It’s kind of like a roller coaster, because you have to go around, through and over gigantic waves.” And he recently qualified for the 2020 International Canoe Federation (ICF) Wildwater Canoeing World Championships and World Cup. The World Championships will be held in Nantahala, North Carolina in April, and the World Cup will be held in Albright, West Virginia in May. Fremouw joined the canoeing team, led by coach Jeff Owen, as a freshman at Orono High School. After a few weeks, Owen encouraged him to start wildwater, which Fremouw loved because it’s a faster sport. He practiced five days a week, and every weekend competed in races around the state run by the Maine Canoe and Kayak Racing Organization (MaCKRO) — the two standard races are a 60-second sprint and an 18-minute classic. “We did some flatwater sprint training but we spent most of our time on the Penobscot River in rapids. We would do sprints down the rapids, and then the hardest part was paddling back upstream,” Fremouw says. During his sophomore year, Fremouw practiced six days a week and qualified for the USA Junior Wildwater Team, going on to compete in the ICF Wildwater Junior World Championship in Austria in the summer of 2017. And he qualified again for the team during his senior year, and competed in the same championship, held in Bosnia in summer 2019. Fremouw says that while he had to work to make the cutoff time to qualify, he wasn’t competing for spots against others because the sport is not very popular in the United States. “It was an incredible experience to be part of a group with so many amazing paddlers my age from around the world,” says Fremouw. “The Europeans have a lot more interest in wildwater (canoeing) than the U.S. does. They start training very young, whereas most paddlers in the U.S didn’t know about the sport until age 20 or 30. Everyone was very friendly and it was incredible to be on the water with everyone.” For the 2017 competition, Fremouw says he mainly went for the experience since he had never competed at that level before. Then this past summer, with more experience under his belt, he placed higher and also was recruited last-minute to fill a seat in the team canoe race. And now he’s moving up in ranks after qualifying for the senior team on Oct. 20 in North Carolina, an accomplishment he says was much more challenging. “I had a lot more competition because it was any age range, so I went up against people who had been paddling for much longer than me,” he says. “I am much more nervous about this upcoming competition because I am on the senior team now,” he says. “I think especially for the U.S., the junior team is a way to get experience at these competitions and practice in bigger whitewater. I also viewed it as a great way to explore new countries. I think more pressure is put on the senior team, so I feel the responsibility to represent my country well.” To prepare for his next competition, Fremouw plans to join the UMaine Nordic Ski Club — he says the sport is good training for canoeing because it’s an effective total body workout that helps improve cardiovascular endurance, a key component of canoeing. And when the weather is warmer, he’ll practice on the water as often as possible. Fremouw also enjoys soccer, hockey, swimming and tennis, and he’s part of the Tennis Club. “I really like how there is so much stuff to do (at UMaine),” he says. “There are many different pathways I can take if I ever want to switch my major, and there are so many clubs, sports teams and other organizations all over campus.” He plans to continue paddling throughout college, with plans to try creek boats (short boats that can handle bigger whitewater) and slalom canoeing in the future. Fremouw says he is “incredibly grateful” that he had the opportunity to start wildwater canoeing. He credits Owen, his coach, for introducing him to the sport and providing encouragement, as well as for his support in applying to college. “I just want to take this opportunity to thank him,” says Fremouw. Contact: Cleo Barker, 207.581.3721

## **Adyrea Walden to perform one-woman show on race, screen her web series**

**04 Dec 2019**

Adyrea Walden will bring her one-woman show, “The Oreo Experience: A Total Whitey Trapped in a Black Chick’s Body,” to the University of Maine on Dec. 9. The 8 p.m. show in Minsky Recital Hall is free and open to the public, and is based on a blog of the same name, which has been featured on Good.is and Jezebel.com. Walden is the creator and star of the Webby-nominated web series “Black Girl in a Big Dress,” a period drama-themed comedy that follows the adventures of an awkward, African American Anglophile cosplayer in love with the Victorian Era who’s trying to navigate 21st-century dating with 19th-century ideals. A free, public screening of the web series will be held at 4 p.m. Dec. 10 in Arthur St. John Hill Auditorium in Barrows Hall. A question-and-answer session will follow. Walden also is a multiple Moth StorySLAM winner and former newspaper reporter. She has written for Nickelodeon, Highlander Films, the Now Write! Screenwriting book series, Maker Studios, Disney and Amazon. She now works as a development executive for DreamWorksTV at NBCUniversal. The UMaine events are supported by the Rising Tide Center in collaboration with the Honors College, the Bailey Fund, the Department of Communication and Journalism, and the McGillicuddy Humanities Center.

## **Master Gardener Volunteer registration open, Turner Publishing reports**

**04 Dec 2019**

[Turner Publishing](#) posted a University of Maine Cooperative Extension news release announcing applications are being accepted for 2020 Master Gardener Volunteer training in Penobscot and Somerset counties. Classes will meet weekly Feb. 25 through May 21, primarily at the UMaine Extension office in Bangor. Classes resume for four weeks in September. UMaine Extension horticulture staff will collaborate with experts from around the state on gardening topics including soils, composting, landscape design, vegetables, tree fruit and small fruit. Participants are expected to contribute 40 hours of volunteer time in educational projects within a year of taking the training. Trainees will be connected with service projects that are best suited for their interests, skill set, schedule and location.

## **McCarty included in Lincoln County News article on gleanings group**

**04 Dec 2019**

[The Lincoln County News](#) reported on a gleanings group that is expanding its food security-focused mission from seasonal to year-round. The Lincoln County Gleaners are a project of Healthy Lincoln County, a community health nonprofit based in Damariscotta. The article included a photo of Kate McCarty, a food preservation professional with the University of Maine Cooperative Extension, cooking with other members of the group.

## **CCI, Princeton researchers analyze 2 million-year-old ice cores, Penobscot Bay Pilot reports**

**04 Dec 2019**

[Penobscot Bay Pilot](#) published a University of Maine news release about three Climate Change Institute scientists working with a Princeton University-led team to analyze 2 million-year-old ice cores from Antarctica. CCI associate professor Andrei Kurbatov, director Paul Mayewski, and doctoral student Heather Clifford participated in the research that aims to provide the first direct observations of Earth’s climate when furred early ancestors of modern humans still roamed. The ice core data provides insights about how the current glacial cycle emerged. “It is great to see the immense research potential of the Antarctica blue ice areas — that we have recognized for decades at UMaine — are beginning to unveil the hidden secrets of Earth’s past climate,” Kurbatov said.

## **Turner Publishing, Morning Ag Clips advance Extension dairy forage conference**

**04 Dec 2019**

[Turner Publishing](#) and [Morning Ag Clips](#) advanced the annual University of Maine Cooperative Extension dairy forage conference, which will be held 9:30 a.m. to 3:30 p.m. Dec. 18 at Governor’s Restaurant in Waterville. The focus will be managing diets with forages grown and harvested in challenging conditions and potential health concerns for livestock. Additional topics include growing industrial hemp in Maine, corn silage variety trial data, solar farm leases and the potential for ergot contamination in feeds from wetter growing conditions, the articles state. The \$25 per person fee includes lunch; registration is [online](#). For more information or to request a reasonable accommodation, contact Rick Kersbergen, 207.342.5971, [richard.kersbergen@maine.edu](mailto:richard.kersbergen@maine.edu).

## **BDN publishes op-ed by doctoral student**

**04 Dec 2019**

Andrea Mercado, a doctoral student in the University of Maine College of Education and Human Development, wrote an opinion piece for the [Bangor Daily News](#) titled “Childhood trauma can slow academic development. Here’s one way to fix it.” Mercado is a member of the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members’ columns appear in the BDN every other week.

## **Study finds hospitality industry contributed \$7 billion to state economy, Maine Public reports**

**04 Dec 2019**



[Maine Public](#) reported a new University of Maine study found that the state’s hospitality industry employed about 59,000 full- and part-time workers last year and generated \$4 billion in taxable retail sales, with a total contribution to Maine’s economy of almost \$7 billion. Steve Hewins, CEO of the industry trade group Hospitality Maine, said this is the first time the industry has categorized all the existing jobs and what they pay. Hewins said researchers found about 45 different job categories from servers and cooks to bookkeepers and event planners. He said the Maine hospitality industry is facing a workforce crisis, and his group is trying to let the public know about available opportunities and create a plan to recruit more workers. The [Bangor Daily News](#) also published the Maine Public report.

#### **CCA events included in BDN roundup of holiday shows in Maine**

**04 Dec 2019**

Several shows at the University of Maine’s Collins Center for the Arts were included in a [Bangor Daily News](#) roundup of holiday shows in eastern Maine. UMaine’s choral ensembles and student orchestra will perform in the annual Yuletide Celebration at 3 p.m. Dec. 8 in the CCA. A touring show from the Nebraska Theatre Caravan will bring a version of “A Christmas Carol” to the CCA on Dec. 12, and British a cappella group The Swingles will perform a holiday show at the CCA at 7 p.m. Dec. 17, the article states. The Robinson Ballet and Bangor Symphony Orchestra will give their annual performance of “The Nutcracker” at the CCA at 2 and 7 p.m. Dec. 20 and 3 p.m. Dec. 21. In addition to the Collins Center shows, UMaine School of Performing Arts faculty also are involved in upcoming holiday events. Kevin Birch, an instructor of organ and harpsichord at UMaine, will lead the annual Musica Sacra show at 7:30 p.m. Dec. 7 at St. John’s Catholic Church in Bangor, featuring St. John’s Chamber Choir. Noreen Silver, an instructor of cello and chamber music at UMaine, will lead a multitude of local cellists playing the music of the season in the Winter Solstice Cello Fest, to be held at 4 p.m. Dec. 15 at the Bangor Arts Exchange, the BDN reported.

#### **O’Neill recent guest on ‘Maine Calling’**

**04 Dec 2019**

Shane O’Neill, forest industry business development manager in the University of Maine School of Forest Resources, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. The show’s topic was the future of Maine’s forests and how the state plans to develop its vital forest industry.

#### **‘The Maine Question’ podcast explores running a successful food business**

**05 Dec 2019**

The latest episode of the University of Maine podcast “[The Maine Question](#)” asks what it takes to run a successful food business in Maine. In the sixth episode of the first season, host Ron Lisnet speaks with Jason Bolton, a food safety specialist with UMaine Cooperative Extension, about the challenges and opportunities of starting and running a food or beverage business in Maine. Is Maine a good place to create businesses such as these? What is the Maine brand? It’s one thing to have a great idea for a delicious food product or a unique beverage, but that is just a starting point. In this episode, Bolton shares some of his experience as the go-to for the vast majority of food and beverage companies in Maine when they face these challenges. He has advised businesses of all shapes and sizes, particularly ones that work with lobsters and Maine’s rapidly growing craft beer and distillery industry. Find the podcast on [iTunes](#), [Google Play](#), [SoundCloud](#), [Stitcher](#), [Spotify](#) and “The Maine Question” [website](#). New episodes will be added every Thursday this season. For more information or to suggest topics of interest, email [mainequestion@maine.edu](mailto:mainequestion@maine.edu).

#### **‘A Christmas Carol,’ a cappella group among December CCA performances**

**05 Dec 2019**

The Collins Center for the Arts at the University of Maine is offering a variety of performances throughout the 2019–20 season. December events will include a broadcast show, a touring production of “A Christmas Carol” and a Christmas concert by a cappella group The Swingles. On Dec. 12, Nebraska Theatre Caravan will bring the Charles Jones adaptation of Charles Dickens’ “A Christmas Carol” to the CCA for a 7 p.m. show. Woven throughout this classic tale are John Bennett’s beautiful new arrangements and moving renditions of holiday songs. Featuring live musicians and Broadway-style scenery and costumes, this show is rich with thrilling ensemble music and alive with color and movement. The Swingles will perform at 7 p.m. Dec. 17. For more than half a century, they have pushed the boundaries of vocal music. The seven young singers that make up today’s London-based group are driven by the same innovative spirit that has defined the five-time Grammy winners since the group first made waves in the 1960s. At a time when a cappella music is more popular than ever, The Swingles are recognized as masters of their craft. A recorded broadcast of “Hansard” will be shown at 7 p.m. Dec. 6 as part of the National Theatre (NT Live) series, which includes plays that are filmed in front of a live audience, transmitted via satellite to the CCA, then projected onto a high-definition screen — one of the largest in the state. When filmed, cameras are carefully positioned throughout the theatre to ensure cinema audiences get the best-seat-in-the-house view. For more information, to view the full season schedule or to purchase tickets, visit the CCA [website](#).

#### **The Conversation publishes Ishaq’s piece on inequity, microbes**

**05 Dec 2019**

[The Conversation](#) published a piece by Sue Ishaq, an assistant professor of animal and veterinary sciences at the University of Maine, titled “Inequity takes a toll on your gut microbes too.” [The Telegraph](#) in Alton, Illinois also published the piece.

#### **Socolow interviewed on Deutschlandfunk about Tik Tok**

**05 Dec 2019**

Michael Socolow, an associate professor of communication and journalism at the University of Maine, was interviewed on German public broadcasting radio station [Deutschlandfunk](#). The report was about journalism on Tik Tok, a video-sharing app.

#### **Z107.3 previews Witter Wonderland**

**05 Dec 2019**

Bangor radio station [Z107.3](#) previewed the second annual Witter Wonderland at the University of Maine. Witter Farm will host the holiday-themed event from 11 a.m. to 3 p.m. Dec. 8, featuring a decorated barn, family-friendly activities and crafts, Z107.3 reported. There will be a chance to meet the UMaes, cows, Icelandic sheep and pigs. Proceeds from admission and concessions support the farm’s animals and organizations, according to the report. Admission is \$5 for adults, \$2 for children or \$10 per family, and free for students with a MaineCard.

#### **WVH interviews Kurbatov about 2 million-year-old ice cores**

**05 Dec 2019**

[WVH](#) (Channel 7) interviewed Andrei Kurbatov, an associate professor in the Climate Change Institute at the University of Maine, about research on 2 million-year-old ice cores from Antarctica. The research, led by Princeton University, involved expeditions of students and other researchers to Allan Hills in Antarctica to drill for the ice cores. On campus, students study the ice and the gas bubbles it contains to look at “snapshots” of prehistoric conditions and temperatures, according to Kurbatov. He said the research will help scientists better understand the secrets of Earth’s past climate, what role human carbon emissions have on the current climate and what the climate will be in the future. “The climate is the only thing that will really impact Maine in the future from a natural, kind of hazard perspective and it’s really relevant to any citizen of Maine,” said Kurbatov. [Astrobiology](#) posted the Oregon State University media release about the study that also included Climate Change Institute director Paul Mayewski and doctoral student Heather Clifford.

#### **Senior art exhibition ‘16 Minds’ runs Dec. 6–Feb. 7**

**05 Dec 2019**

The University of Maine 2019 senior art exhibition “16 Minds” will open with a reception from 5:30–7 p.m. Dec. 6 at Lord Hall Gallery. The show, which runs through Feb. 7, features more than 86 works by 16 artists — Olivia Bradstreet, Danny Bridges, HR

Buzzell, Cheryl Coffin, Sam Dowe, Kate Finnemore, Kendra Green, Katelyn Jordan, Hillary Manson, Shaina Murdaugh, Coral Ouellette, Nathaniel Rawson, Sean Sadler, Mady Shea, Telos Wallace and Jacob Wilson. This year's senior capstone exhibition features works in relief printing, photography, silk screen printing, oil and acrylic painting, woodblock printing, and sculpture in various mediums. The studio art majors produced all aspects of the exhibition including matting, framing, hanging, labeling and lighting their works as part of their studio art class, led by professor of art James Linehan. The gallery is open 9 a.m.–4 p.m. weekdays. Events are free and open to the public. For more information or to request a reasonable accommodation, call the UMaine Department of Art at 207.581.3245.

#### **UMaine Museum of Art announces new sculptural sign, free admission to continue in 2020**

**06 Dec 2019**

The University of Maine Museum of Art will extend its free admission policy for the public in 2020, thanks to a gift from Deighan Wealth Advisors, a wealth management firm that is a longtime UMAA sponsor and arts supporter in the region and state. The museum also announces the installation of its new sculptural sign on Hamlin Parkway. UMMA's dynamic new sign is an abstract form consisting of triangular metal panels, in colors ranging from bright red to shades of blue, that are mounted to a faceted aluminum construction. A projecting aluminum blade-like fin feature bears the museum's name. "The look of the three-dimensional element on the sign is not unlike the type of abstract, contemporary art and sculptures that one might see in the museum's galleries," says George Kinghorn, the museum's executive director and curator. "Many of our visitors enter the museum from the stream side parkway and this eye-catching sculptural sign greatly enhances UMMA's visibility. Hamlin Parkway is a beautiful asset for downtown and it's wonderful to have this colorful focal point for all to enjoy. With increased pedestrian traffic and tourists visiting downtown from around the country, it's terrific that people can now easily spot the museum." The new sign was a project of the Museum of Art Alliance, a nonprofit organization that supports UMMA, and made possible through the generosity of Don and Linda Zillman. The sign was fabricated by NeoKraft Signs Inc, a Maine-based business in Lewiston. The University of Maine Museum of Art, located in Norumbega Hall in downtown Bangor, is open 10 a.m.–5 p.m. Tuesday–Saturday. UMMA offers a series of changing exhibitions featuring regional and nationally recognized contemporary artists in conjunction with integrative educational programs, gallery talks and workshops.

#### **Blackstone speaks about childfree movement on WBUR's 'Endless Thread' podcast**

**06 Dec 2019**

Amy Blackstone, a professor of sociology at the University of Maine, was a recent guest on [WBUR](#)'s "Endless Thread" podcast, which features stories "found in the vast ecosystem of online communities called Reddit." This episode of the podcast focused on the childfree movement.

#### **Graduate students speak at middle school about Everest expedition, Sun Journal reports**

**06 Dec 2019**

The [Sun Journal](#) reported University of Maine graduate students Peter Strand and Laura Mattas gave a presentation about their experiences on the National Geographic and Rolex's Perpetual Planet Extreme Expedition to Mount Everest at Bruce M. Whittier Middle School in Poland, Maine. Strand, a Ph.D. candidate at the Climate Change Institute, and Mattas, a master's student in the CCI and School of Earth and Climate Sciences, were part of a multinational team of scientists and Nepalese researchers and Sherpa guides who collected data from glaciers, snow, water, sediment and rocks to provide real-time and historical information about climate and other factors affecting the world's ecosystem, the article states. The expedition was led by Paul Mayewski, director of the CCI and professor in the School of Earth and Climate Sciences. It set a world record as the most comprehensive single scientific expedition to the mountain in history, and included drilling the world's highest ice core at 8,020 meters above sea level, according to National Geographic. The drill used was modified by UMaine's Advanced Manufacturing Center. "The expedition is really just the start of our science," said Strand. "So we have a whole number of laboratory steps and this is where we really produce the data and this is what allows us to tell exactly how the climate is changing, how the biology is changing, how fast the glacier is retreating, how fast the weather is changing, and what the former composition of the atmosphere there was like." Strand's biggest takeaway from the expedition is how fast the region is changing, according to the article. "The glaciers are melting and being rearranged because of the warming mountains. This is why it is so important to deliver the message with our photos and accounts," he said.

#### **Rosenbaum, student recent guests on 'Maine Calling'**

**06 Dec 2019**

Judith Rosenbaum, an associate professor of communication and journalism at the University of Maine, and Liz Theriault, a UMaine student and opinion editor of the UMaine student newspaper The Maine Campus, were recent guests on [Maine Public](#)'s "Maine Calling" radio show. The show's topic was "cancel culture," political correctness and social media.

#### **Saros named Fellow of Association for the Sciences of Limnology & Oceanography**

**06 Dec 2019**

Jasmine Saros has been named a Fellow of the Association for the Sciences of Limnology & Oceanography (ASLO). ASLO Fellows are recognized as having achieved excellence in their contributions to the association and to aquatic sciences. Saros is a professor of paleolimnology and lake ecology with the University of Maine School of Biology and Ecology and the Climate Change Institute. Paleolimnology is a multidisciplinary science that uses the physical, chemical and biological information in sediment profiles to reconstruct past environmental conditions in lakes. Saros applies information from field observations and bioassays to the sediment records, and uses patterns in the sediment record to pose testable hypotheses about mechanisms driving observed changes. She is part of the 10-member 2019 class of ASLO Fellows. The ASLO Fellows program was initiated in 2015 to acknowledge and honor members who consistently contribute to the society through its journals, conferences and committees. The commitment and service of ASLO Fellows have enabled the society to advance the sciences of limnology (study of the biological, chemical and physical features of lakes and other bodies of freshwater) and oceanography. ASLO Fellows will be honored Feb. 18 at the 2020 Ocean Sciences Meeting in San Diego, and at a reception prior at the 2020 ASLO-SFS (Society for Freshwater Science) Summer Meeting in Madison, Wisconsin. ASLO traces its roots to the Limnological Society of America (LSA), which was established in 1936.

#### **Scientists rank world's most important, most threatened mountain water towers**

**09 Dec 2019**

Scientists from around the world, including University of Maine Climate Change Institute director Paul Mayewski, have assessed the planet's 78 mountain glacier-based water systems and, for the first time, ranked them in order of their importance to adjacent lowland communities, as well as their vulnerability to future environmental and socioeconomic changes. These systems, known as mountain water towers, store and transport water via glaciers, snow packs, lakes and streams, thereby supplying invaluable water resources to 1.9 billion people globally — roughly a quarter of the world's population. "Glaciers are a critical part of our Earth system," says Mayewski. [caption id="attachment\_74528" align="aligncenter" width="700"]



Melting ice from the Khumbu glacier runs down the mountain at Everest Base Camp, Nepal in the Ganges-Brahmaputra water tower. The region is

expected to see a 1.6 degree C temperature rise by 2050. New research supported by National Geographic and Rolex's Perpetual Planet partnership highlights the importance and vulnerability of the world's glacier-based water systems. Learn more at [natgeo.com/PerpetualPlanet](https://natgeo.com/PerpetualPlanet). Photo by Brittany Mumma, National Geographic. [caption] "They serve as the early responders to climate change and as they disappear the decline in water storage has clear impacts for health, agriculture and hydroelectric power. "Plus, melting glaciers create potential for glacial water outburst floods and release of decades' worth of pollutant storage." The research, [published](#) in the prestigious scientific journal Nature, provides evidence that global water towers are at risk, in many cases critically, due to the threats of climate change, growing populations, mismanagement of water resources, and other geopolitical factors. Further, the authors conclude it is essential to develop international, mountain-specific conservation and climate change adaptation policies



and strategies to safeguard both ecosystems and people downstream. [caption id="attachment\_74529" align="aligncenter" width="700"]

their potato field in the Chipursan valley, Pakistan. This region is part of the Indus water tower, which, according to research supported by the National Geographic and Rolex Perpetual Planet partnership, is the most relied-upon glacier-based water system in the world. Learn more at [natgeo.com/PerpetualPlanet](https://natgeo.com/PerpetualPlanet). Photo by Matthew Paley, National Geographic. [caption] Globally, the most relied-upon mountain system is the Indus water tower in Asia, according to their research. The Indus water tower — made up of vast areas of the Himalayan mountain range and covering portions of Afghanistan, China, India and Pakistan — also is one of the most vulnerable. High-ranking water tower systems on other continents are the southern Andes, the Rocky Mountains and the European Alps. To determine the importance of these 78 water towers, researchers analyzed the various factors that determine how reliant downstream communities are upon the supplies of water from these systems. They also assessed each water tower to determine the vulnerability of the water resources, as well as the people and ecosystems that depend on them, based on predictions of future climate and socioeconomic changes. Of the 78 global water towers identified, the five most relied-upon systems by continent are:

- Asia: Indus, Tarim, Amu Darya, Syr Darya, Ganges-Brahmaputra
- Europe: Rhône, Po, Rhine, Black Sea North Coast, Caspian Sea Coast
- North America: Fraser, Columbia and Northwest United States, Pacific and Arctic Coast, Saskatchewan-Nelson, North America-Colorado
- South America: South Chile, South Argentina, Negro, La Puna region, North Chile





[caption id="attachment\_74530" align="aligncenter" width="700"]

The Mistaya River courses through Mistaya Canyon in Canada's Rocky Mountains. This region is one of the most relied-upon water towers in North America, according to new research supported by National Geographic and Rolex's Perpetual Planet partnership highlighting the importance and vulnerability of the world's glacier-based water systems. Learn more at [natgeo.com/PerpetualPlanet](https://natgeo.com/PerpetualPlanet). Photo by Gordon Wiltsie, National Geographic. [caption] The study, which was authored by 32 scientists from around the world, was led by professor Walter Immerzeel and Dr. Arthur Lutz of Utrecht University, longtime researchers of water and climate change in high mountain Asia. "What is unique about our study is that we have assessed the water towers' importance, not only by looking at how much water they store and provide, but also how much mountain water is needed downstream and how vulnerable these systems and communities are to a number of likely changes in the next few decades," said Immerzeel. Lutz added, "By assessing all glacial water towers on Earth, we identified the key basins that should be on top of regional and global political agendas." This research was supported by National Geographic and Rolex as part of their Perpetual Planet partnership, which aims to shine a light on the challenges facing the Earth's critical life-support systems, support science and exploration of these systems, and empower leaders around the world to develop solutions to protect the planet. Six scientists from the University of Maine Climate Change Institute returned in June from National Geographic and Rolex's Perpetual Planet Extreme Expedition to Mount Everest. Mayewski was expedition leader and lead scientist for the international project that involved 55 science partners, National Geographic staff, journalists, Sherpas and porters. The goal was to examine high mountain glaciers — water towers for people downstream. During the two-month expedition, CCI doctoral candidate, glaciochemist and climbing team member Mariusz Potocki collected the world's highest ice core. Doctoral student Heather Clifford drilled an ice core at Base Camp and gathered sediment,



snow and stream water to analyze for persistent organic pollutants and microplastics. [caption id="attachment\_74531" align="aligncenter" width="700"]

The village of Khumjung, Nepal, beneath Khumbu Yui Lha, one of the high mountains of the Eastern Himalaya. New research supported by National Geographic and Rolex's Perpetual Planet partnership highlights the importance and vulnerability of the world's glacier-based water systems, including this region's Ganges-Bramaputra water tower, that communities like this rely upon. Learn more at [natgeo.com/PerpetualPlanet](https://natgeo.com/PerpetualPlanet). [caption] Assistant professor Aaron Putnam led a geology team that included doctoral candidate Peter Strand and graduate student Laura Mattas. The team's goal was to document the Khumbu Glacier's chronological history from the last ice age to the present. Jonathan Baillie, executive vice president and chief scientist at the National Geographic Society, said, "Mountains are iconic and sacred places around the world, but the critical role they play in sustaining life on Earth is not well understood. "This research will help decision-makers, on global and local levels, prioritize where action should be taken to protect mountain systems, the resources they provide, and the people who depend on them." To explore the data and compare water tower rankings, visit [natgeo.com/PerpetualPlanet](https://natgeo.com/PerpetualPlanet). Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

**BDN, WABI cover Witter Wonderland**

**09 Dec 2019**

[WABI](#) (Channel 5) covered the Maine Animal Club's Witter Wonderland event this past weekend at the University of Maine Witter Farm. Visitors interacted with cows, pigs and sheep at the annual barnwide holiday event. The [Bangor Daily News](#) shared that the approximately 50 students in the Maine Animal Club, Drill Team and the Icelandic Sheep Club tend to the farm, care for the 120 or so animals, and give them nicknames. "It's these students who rise at 3 a.m. and make their way to Witter to milk the cows and monitor their assigned animals around the clock when they are in labor...UMaine has a long history of raising farm animals at its Orono campus — since 1947 to be exact — when both chickens and cows occupied the land along with students. The farm, which has been relocated to Old Town, allows students to test out the skills learned in their classes," according to the article. The [Penobscot Times](#) published the BDN article.

**UMaine-led studies cited in story about Blue Hill lobsterman**

**09 Dec 2019**

The [Bangor Daily News](#) cited two University of Maine-led studies that indicate warming waters off Maine have changed the dynamics of the lobster population in its story about Jeremy Tyler. The Blue Hill lobsterman is developing a “Plan B” for his economic livelihood that includes opening a coffee and sandwich shop to sell baked goods and lobsters from Tyler’s catch. And they’ll convert a second floor into an apartment for rent. The studies also were cited in the [National Fisherman](#) piece titled “Forecasting warmer ocean, fewer lobsters.”

#### **Visit with therapy dogs at Fogler Library**

**10 Dec 2019**

Students, faculty and staff are invited to visit with licensed therapy dogs on the first floor of Fogler Library from noon to 2 p.m. Wednesday, Dec. 11, Thursday, Dec. 12 and Monday, Dec. 16.

#### **Mainebiz examines what’s in a name**

**10 Dec 2019**

In its story about the University of Southern Maine tabling its plans to change its name to the University of Maine at Portland, [Mainebiz](#) reviewed the University of Maine’s name changes. The school that was established as the Maine College of Agriculture and the Mechanic Arts in 1862 became the University of Maine in 1897. When the Maine State Legislature created the University of Maine System in 1968, the name was changed to the University of Maine at Orono (UMO). And, in 1986, the name was changed back to the University of Maine.

#### **Morning Ag Clips previews Extension bee course in Springvale**

**11 Dec 2019**

[Morning Ag Clips](#) ran the University of Maine Cooperative Extension media release previewing its five-week Beginner Beekeeping Course beginning Thursday, Feb. 13, at Downs Conference Room in Springvale. Instructor Larry Peiffer will discuss honeybee colonies, hive construction, pests and diseases, honey production and seasonal management of the hive. Participants may observe area hives and gain hands-on experience during a field lab. Jan. 31 is the deadline to register. Information and registration is [online](#), or contact the UMaine Extension York County office, 800.287.1535 (in state), 207.324.2814, [elizabeth.clock@maine.edu](mailto:elizabeth.clock@maine.edu).

#### **KJ, Morning Sentinel post Extension dairy forage conference release**

**11 Dec 2019**

The Kennebec Journal and [Morning Sentinel](#) issued the University of Maine Cooperative Extension release about its annual dairy forage conference from 9:30 a.m. to 3:30 p.m. Wednesday, Dec. 18, at Governor’s Restaurant, 376 Main St., Waterville. Extension educators and industry experts will discuss managing diets with forages grown and harvested in challenging conditions and potential health concerns for livestock.

#### **Machias Valley Observer publicizes UMM student play**

**11 Dec 2019**

The [Machias Valley News Observer](#) advanced a play titled “The Dollar” that University of Maine at Machias students will perform at 7 p.m. Dec. 12 at the Performance Arts Center. The students are enrolled in instructor Eustacia Landrum’s Introduction to Theater course. The one-act comedy is free and open to the public. Improv performances will follow the play.

#### **East Asia Forum includes Vekasi column about economic interdependence deployed for political goals**

**11 Dec 2019**

[East Asia Forum](#) published Kristin Vekasi’s column titled “Weaponised interdependence and the Japanese private sector.” Vekasi is an assistant professor in the Department of Political Science and School of Policy and International Affairs. “From trade barriers to financial sanctions, it’s increasingly common to see economic interdependence deployed for political goals,” she wrote. “This type of economic coercion, dubbed ‘weaponised interdependence’, affects multinational firms first and foremost — entities that are often removed from the geopolitical issues that starts such coercion. These companies become potential targets of the state.”

#### **UMaine Extension 4-H program receives regional and national awards**

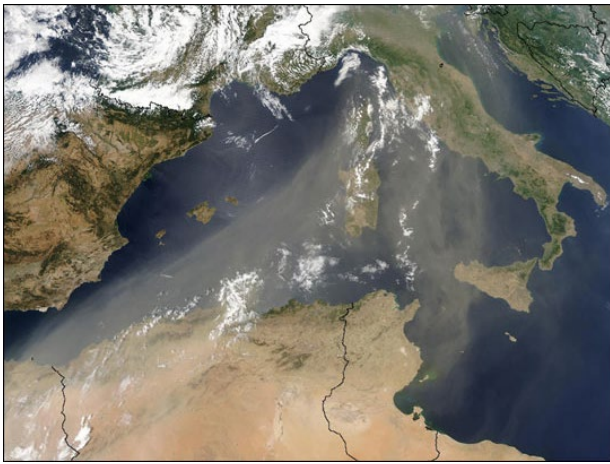
**11 Dec 2019**

University of Maine Cooperative Extension 4-H youth development program staff were recently honored by the National Association of Extension 4-H Agents (NAE4-HA) as Northeast regional and national winners of the Diversity & Inclusion: Expanding the 4-H Audience Award and the Excellence in After School Programming Award. UMaine Extension staff honored at the NAE4-HA conference, held Nov. 7 in White Sulfur Springs, West Virginia, were Extension 4-H professor Kristy Quellette of Litchfield; Extension 4-H assistant professor Mitchell Mason of Portland; Extension 4-H Community Central program coordinator Laura Personette of Topsham; Extension 4-H science professional Sarah Sparks of New Gloucester; and community partners Lewiston Housing Authority, Lewiston 21st Century Learning Program at McMahon School and Portland Housing Authority. The Diversity & Inclusion award recognizes outstanding effort and accomplishments in achieving and sustaining diversity in the NAE4-HA organization, programs, and/or audiences. The Excellence in After School Programming Award encourages and recognizes exceptional work in 4-H after school programming by NAE4-HA members. The [NAE4-HA](#) is dedicated to promoting, strengthening, enhancing and advocating for the 4-H youth development profession. For more information about [UMaine Extension 4-H](#), contact 207.581.3188; [extension@maine.edu](mailto:extension@maine.edu).

#### **As climate warms, stronger Saharan dust storms will increase glacier melt, worsen air quality**

**11 Dec 2019**

A groundbreaking study shows that a warming planet will make dust storms more intense in the Mediterranean. Using the highest-resolution continuous climate record ever published, the study explains the connections between dust storms, extended periods of drought, volcanoes and warming in the Mediterranean, Europe and Asia. These ultrahigh-resolution records revealed stronger Saharan dust storms during past warming periods, and provide a glimpse of what to expect in the future. More intense storms will impact glaciers by making them darker so they absorb more heat. More dust in the air will worsen air quality and impact public health, while also affecting the frequency of North Atlantic hurricanes. The study is another milestone in the collaboration between the Initiative for the Science of the Human Past at Harvard and the Climate Change Institute at the University of Maine. This interdisciplinary team of climate scientists, historians and archaeologists combined data from an ice core retrieved from the European Alps with highly detailed historical records. Heather Clifford, a doctoral student at the Climate Change Institute, is first author. “Understanding Saharan dust transport through time has countless applications — especially with high enough time-resolution to capture individual storm events,” says Clifford. “We hope this record will unlock new opportunities to learn about the long-term effects of Saharan dust storms on ecology, human health and climate change.” [caption id="attachment\_74569" align="alignright" width="540"]



This satellite image shows a river of Saharan dust streaming out over the Mediterranean Sea and northeastward to Italy. In the past, dust storms occurring at the same time

as rainstorms often were recorded as “blood rain” due to the reddish color of Saharan dust. The melting of glaciers caused by human-made climate change will contribute to erasing a vital source of information to study climate change itself, since ice from these millennia-old natural archives routinely reveals how climate patterns have changed over time and how climate will change in the future. To address the crisis, the Climate Change Institute’s W.M. Keck Laser Ice Facility created a nondestructive system that allows preservation of the ice indefinitely, while providing climate data of the unprecedented ultra-high resolution which alone is compatible with detailed historical data. The new technology offers a truly transformative solution to both the study and the effects of climate change at the cutting edge of research. “This outstanding new set of data highlights how climate change will affect people’s health, due to worsening air quality, and how dust will also threaten the survival of glaciers and the ecosystems that depend on them,” says Alex More, co-author and assistant research professor and research associate at the CCI and Harvard University. “The combination of both natural and historical records once again reveal information that neither type of data alone could have.” The [article](#) is published in JGR Atmospheres, a journal of the American Geophysical Union, the premier professional association dedicated to the study of climate and environmental change. Additional co-authors from the Climate Change Institute include Nicole Spaulding, Andrei Kurbatov, Elena Korotikh, Sharon Sneed, Mike Handley, Kirk Maasch and Paul Mayewski. Co-author Michael McCormick is with the Initiative for the Science of the Human Past at Harvard and co-author Joyce Chaplin is with the History Department at Harvard. Co-author Christopher Loveluck is with the Department of Archaeology at the University of Nottingham. “Our joint Harvard-UMaine project is very proud of the amazing contribution to climate science presented by Heather [Clifford] for her Master of Science,” says Mayewski. “She is now a Ph.D. student and continues to work with us on this and other projects.” The research is supported by funding from Arcadia, a charitable fund of Lisbet Rausing and Peter Baldwin. All datasets on which the study is based are provided in open access to the public. In addition, support for method development and analysis was provided by the W.M. Keck Foundation and the National Science Foundation. Contact: Alex More, [afmore@fas.harvard.edu](mailto:afmore@fas.harvard.edu), 617.417.5608; Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

#### **‘The Maine Question’ probes Mayewski’s explorations, discoveries**

12 Dec 2019

In Part 1 of this two-part podcast, “The Maine Question” asks what it’s like in the most remote, harsh and spectacular locations on Earth. Anyone with a thirst for adventure has likely dreamed of seeing the South Pole, Mount Everest, or the massive ice sheets of Greenland. Paul Mayewski has done all of that and more. Here, he talks with host Ron Lisnet about his adventures during his 55-plus expeditions in extreme locales. Mayewski, a scientist, explorer and director of the University of Maine Climate Change Institute, estimates he’s lived about four years’ total in a tent or under the stars in remote regions. His devotion has resulted in groundbreaking discoveries about climate change. In this podcast, Mayewski talks about preparing locally and globally for what’s in store. Find the podcast on [iTunes](#), [Google Play](#), [SoundCloud](#), [Stitcher](#), [Spotify](#) and “The Maine Question” [website](#). Part 2 of Lisnet’s conversation with Mayewski will be added Thursday, Dec. 19. For more information or to suggest topics of interest, email [mainequestion@maine.edu](mailto:mainequestion@maine.edu).

#### **Curry talks with ‘90% Mental’ about her basketball career**

12 Dec 2019

Edniesha Curry, assistant coach of the University of Maine men’s basketball team, was a recent guest on the “[90% Mental](#)” podcast. Curry, the lone woman coaching men’s basketball at the Division I level, told interviewer Grant Parr, a mental performance coach, that mental toughness means “having an unbreakable faith in yourself.”

#### **PPH article cites UMaine research referenced in state’s economic plan**

12 Dec 2019

The [Portland Press Herald](#) story that covered Gov. Janet Mills’ unveiling of the state’s 10-year economic development plan cited University of Maine research that it contained that identifies new composite materials, some of which combine derivatives of forest products, to make new building materials, bioplastics and biofuels. The development plan seeks to increase average annual wages by 10% and attract 75,000 people to the labor pool to offset retiring workers, according to the article. Expanding broadband access, improving and expanding access to childcare, developing a funding system for public transportation and creating a more stable regulatory system to provide businesses with predictable rules are part of the plan, according to the article.

#### **Washington Post talks with Shaler about mass timber construction**

12 Dec 2019

The [Washington Post](#) talked with Stephen Shaler, director of the School of Forest Resources and associate director of the Advanced Structures and Composites Center, for its story “Forget the log cabin. Wood buildings are climbing skyward — with pluses for the planet.” Shaler said, “There’s not a silver bullet out there” with regards to mass timber construction. “But mass timber is one of the silver BBs in the shotgun shell. It’s important.”

#### **New exhibition, ‘Rufus Porter’s Curious World,’ co-curated by UMaine professor of art history**

12 Dec 2019

The intersection of art and technology in the work of Rufus Porter, founder of Scientific American magazine, is the focus of a new exhibition at the Bowdoin College Museum of Art, co-curated by a University of Maine faculty member. Justin Wolff, professor of art history in the UMaine Department of Art, co-curated the [exhibition](#), “Rufus Porter’s Curious World: Art and Invention in America, 1815–1860,” and co-edited a [catalogue](#) by the same name with Laura Sprague, senior consulting curator at the Bowdoin College Museum of Art. The exhibition, which runs Dec. 12–May 31, includes more than 80 paintings, inventions, and publications by Porter and a number of his more well-known contemporaries, including Samuel F.B. Morse, Robert Fulton, Charles Bird King, and Winslow Homer. “Porter was keenly aware of and plugged into the new interconnected systems or networks that were proliferating around him and joining curious Americans to one another and to inventive ideas,” writes Wolff in “Itinerancy, Aerial Navigation, and the Many Networks of Rufus Porter,” a chapter in “Rufus Porter’s Curious World,” published by Penn State University Press. “He was a spatial thinker who designed systems across various scales — including tiny machine parts, miniature portraits, newspaper pages, wall murals, and coast-to-coast flight — and conceived of small mechanical improvements that would have national impact.” Born in Massachusetts in 1792, Porter spent his childhood near Bridgton, and lived and worked in Portland as a young man. He made his living as a professional itinerant painter, traveling throughout New England producing miniature portraits and wall murals. Porter also was an inventor, and had a particular fascination with wind power and aerodynamics. His paintings often featured ships and boats. He also dreamed of mechanical flight and, 50 years before the Wright Brothers, promoted a never-realized steam-powered “aeropot.” Porter patented a few dozen inventions, and in 1845 founded Scientific American magazine. TIME magazine posthumously

described Porter as a “Yankee Da Vinci.” Wolff and Sprague have been working on the exhibition and accompanying catalogue for nearly three years. “A significant aspect of the project is the emphasis on spatial thinking, on the shared values and tools of art and science and technology — a topic of special importance on college and university campuses in an age when the arts and humanities are too often negatively compared to STEM disciplines,” says Wolff, a Bowdoin College alumnus. Wolff’s research focuses on 19th- and 20th-century American art, visual culture, and intellectual history. Among his publications are two books on painters Richard Caton Woodville and Thomas Hart Benton, and “A Strange Familiarity: Alexander Forbes and the Aesthetics of Amateur Film,” a chapter in the award-winning anthology “Amateur Movie Making: Aesthetics of the Everyday in New England Film, 1915–1960.” A Bowdoin College news release about the exhibition is [online](#). Contact: Margaret Nagle, 207.581.3745

## **Emera Astronomy Center offering guided meditation Dec. 16–18**

**13 Dec 2019**

The Emera Astronomy Center at the University of Maine is offering free guided meditation sessions in the M.F. Jordan Planetarium to help students and faculty de-stress during finals week. Participants can experience an amazing sunset as they travel from the Grand Canyon to the North Pole, then relax under a night sky filled with stars and glimpses of the Northern Lights. Meditation is a powerful tool for maintaining psychological health and resilience, and because the planetarium offers a dark and quiet space for relaxation, it is the perfect place for meditation. The 30-minute program will be run by Shawn Laatsch, director of the Emera Astronomy Center. Session dates and times are:

- Monday, Dec. 16 at 10 a.m., 2 p.m. and 5 p.m.
- Tuesday, Dec. 17 at 8:30 a.m., 11:30 a.m. and 2 p.m.
- Wednesday, Dec. 18 at 8:30 a.m.

The meditation program, Sunset Meditation, was developed as part of the Ball State University Meditation Partnership.

## **Media run release on Master Gardener Volunteer training in York County**

**13 Dec 2019**

The [Biddeford-Saco-OOB Courier](#), [Seacoast Online](#) and [Morning Ag Clips](#) posted a University of Maine Cooperative Extension release that announced applications are available for University of Maine Cooperative Extension Master Gardener Volunteer training in York County. Classes will meet from 9 a.m. to 12:30 p.m. on Wednesdays from Jan. 29 through mid-June at the Kennedy Center in Springvale. UMaine Extension specialists, educators and other experts will provide more than 70 hours of horticultural training. Fee is \$220; limited financial assistance is available. For an application packet, or to request a reasonable accommodation, call 800.287.1535 or 207.324.2814. Program and application information also is [online](#).

## **PPH notes UMaine Athletics in piece about Small Business Spotlight Promotion**

**13 Dec 2019**

University of Maine Athletics was mentioned in a [Portland Press Herald](#) story about The Willie Wags, a downtown Bangor business that won the KeyBank Small Business Spotlight Promotion. The store will receive \$5,000 in marketing assets through UMaine Athletics and a \$5,000 grant from KeyBank. The Willie Wags and KeyBank partnered with the Black Bears on the promotion to bring visibility to small businesses making a positive community impact. The store’s mission is to use its influence and the buying power of its shoppers to support women-owned small businesses and Maine-made products, according to the article.

## **WABI covers therapy dogs’ visit at Fogler**

**13 Dec 2019**

[WABI](#) (Channel 5) reported on Koda, Lautrec, Finch and Ellie’s visit with students at Fogler Library. Licensed therapy dogs regularly interact with students before and during finals to help alleviate stress. “A lot of times students are stressed out or they’re away from home, or things are really busy and they want some kind of stress reliever, so really the dogs are a stress reliever,” says Brad Beauregard, Fogler Library public relations manager. “People grow up with dogs and they come to college and they might not have as many dogs to interact with, so the dogs are a chance to kind of remind them of home and kind of take the edge off a busy time of the year.”

## **Advertiser Democrat highlights donations to Maine Harvest for Hunger**

**13 Dec 2019**

The [Advertiser Democrat](#) highlighted the role of Master Gardener Volunteers in the food chain. Over the last year, 919 active Master Gardener Volunteers throughout the state have donated more than 33,500 hours to educational and food security projects and helped deliver more than 232,700 pounds of food to 187 food distribution agencies for the Maine Harvest for Hunger program, according to the article. The article also noted that after a long hiatus, Cooperative Extension in Oxford County will again offer Master Gardener Volunteer Certification training. The 17-week program in South Paris will start Jan. 27. Applications are accepted until Dec. 20. More information is [online](#). Pat Griffin of Otisfield, a Master Gardener Volunteer since 1998, said, “I highly recommend taking the courses. It’s helping your community, and yourself, in a very significant way.”

## **Fish Farmer cites UMaine in article about oral vaccine for sea lice**

**13 Dec 2019**

The University of Maine was mentioned in a [Fish Farmer](#) magazine article about an oral vaccine being developed for sea lice by a team of Scottish and international aquaculture experts. Sea lice are estimated to cost the Atlantic salmon production industry about \$550 million a year. The new approach will use advanced nanoparticle technology to deliver the vaccine via specially developed feeds that aim to improve fish resistance to parasites, according to the article. Innovative bio-engineering tools also will target sea lice by triggering strong immune responses in the skin of fish, rather than delivering it through the bloodstream alone, according to the article. Sharing approaches employed to control ticks in agriculture, the new vaccine aims to directly target the proteins important for the parasite’s survival. [Wellston Journal](#) cited Ian Bricknell, a professor of aquaculture at Maine, in an article about sea lice. The cost of sea lice to the Atlantic salmon farming industry is at least £400 million, according to Bricknell.

## **McGill named one of the most cited researchers in the world**

**16 Dec 2019**

University of Maine professor of biological sciences Brian McGill, whose research focuses on modeling large-scale ecology and global change, has been named one of the 2019 Highly Cited Researchers worldwide, according to the Web of Science Group. The 2019 Highly Cited Researchers list identifies researchers who produced multiple scientific papers ranking in the top 1% by citations for their field and year of publication, demonstrating significant influence among their peers. Highly Cited Researchers make up just 0.1% of all researchers. The 2019 Highly Cited Researchers list of more than 6,200 “contributes to the identification of that small fraction of the research population that contributes disproportionately to extending the frontiers of knowledge and gaining for society innovations that make the world healthier, richer, more sustainable and more secure,” according to the Web of Science Group, which provides “the largest publisher-neutral citation index and research intelligence platform.” Among those on the 2019 list are 23 Nobel laureates and other researchers from nearly 60 nations. McGill is one of 2,737 researchers from the United States, accounting for the largest percentage — 44% — of the 2019 list. The full list of Highly Cited Researchers for 2019 is [online](#). Since 2003, McGill had 106 publications cited a total of 7,991 times. The top two, for which he was first author: “Rebuilding community ecology from functional traits,” published in 2006 in “Trends in Ecology and Evolution” (cited 1,939 times); and “Species abundance distributions and moving beyond single prediction theories to integration within an ecological framework,” published in 2007 in “Ecology Letters” (cited 638 times). He has been published in a total of 38 journals, including Nature, Science, Plos One and the Proceedings of the National Academy of Sciences. McGill has been a faculty member in the UMaine School of Biology and Ecology since 2010. He holds a joint appointment in the Mitchell Center for Sustainability Solutions and a cooperating appointment in the Climate Change Institute. In his research, McGill studies biodiversity at large scales — large areas of space, long periods of time and across many species — that are critical to addressing conservation and management questions. Goals include developing the ability to predict how species ranges will respond to climate change, and measuring the impact of humans on community structure. Contact: Margaret Nagle, 207.581.3745

## **Ellsworth American publishes op-ed by Curran**

**16 Dec 2019**



[The Ellsworth American](#) published an opinion piece by Hugh Curran, an associate professor of education at the University of Maine. The piece was titled “Hate is not science-based.”

#### **News Center Maine interviews student about paddling passion**

16 Dec 2019

[News Center Maine](#) interviewed Kell Fremouw, a first-year engineering physics student at the University of Maine who balances his studies with his passion for paddling. As a student at Orono High School, Fremouw joined the varsity canoe racing team coached by Jeff Owen, News Center Maine reported. Owen then suggested Fremouw try wildwater kayaking. “I just joined and fell in love with it,” Fremouw said. For Fremouw, who is from Orono, attending UMaine “allows me to be right next to this river and get my boats and talk to my coach.” Fremouw has competed nationally and internationally, and is training for the 2020 International Canoe Federation (ICF) Wildwater Canoeing World Championships and World Cup to be held in the spring. He will train five or six times a week in preparation for the competitions. “After this spring, maybe taking a break because I’m not certain I’ll be able to sustain the amount I paddle and train when I’m trying to do my thesis,” he said.

#### **WABI reports UMaine groups perform at Hirundo holiday event**

16 Dec 2019

[WABI](#) (Channel 5) reported University of Maine a cappella groups Renaissance and the Maine Steiners performed at a holiday event hosted Saturday by the Hirundo Wildlife Refuge. The event also involved children’s crafts and a surprise visit from an elf. Hirundo hopes events like this will help connect people and their children to nature, according to the report.

#### **News Center Maine, WVII cover Maine Indian Basketmakers Holiday Market**

16 Dec 2019

[News Center Maine](#) and WVII (Channel 7) covered the 25th annual Maine Indian Basketmakers Holiday Market at the University of Maine, held this year on Dec. 14 in the Collins Center for the Arts. News Center Maine spoke with Barry Dana, former chief of the Penobscot Nation and birchbark basketmaker, about the event. His main goal is to preserve Wabanaki culture, “not for the sake of putting it in a museum but for the sake of reviving the people that go with that culture.” Jennifer Neptune, an artist from the Penobscot Nation, told WVII, “Cultural traditions are really important to all the tribes and important to our tribal economies. So artwork has been paying our bills for literally hundreds of years. Having a place where artists can sell directly to the public is an important part of keeping that tradition going.” The market also is an opportunity for people to connect with and learn more about the cultures of Native Americans in Maine. “Art is like a bridge between people and cultures and it’s a great way for people to come and learn about us and our traditions and our people,” said Neptune. “And to make those personal connections and be able to ask questions that they have and come together, understand each other better. It’s a win-win for everybody.”

#### **Tickets available for the annual Dr. Martin Luther King Jr. Breakfast Celebration Jan. 20**

17 Dec 2019

The 2020 Dr. Martin Luther King Jr. Breakfast Celebration will be held on Jan. 20 at the University of Maine, co-sponsored by the Greater Bangor Area Branch NAACP and the UMaine Division of Student Life. Doors open at 8 a.m. in Wells Conference Center; the two-hour event begins at 8:30 a.m. Tickets are \$20 per person; \$15 for children ages 12 and under. Admission is free for undergraduate UMaine students with a valid MaineCard. Organizations and departments can sponsor tables of up to 10 people for \$200. Advance registration is strongly recommended; a limited number of seats will be available at the door the day of the event. Registration and more information are [online](#). To request a reasonable accommodation, contact Robert Jackson, 207.581.9517; robert.jackson@maine.edu. This year’s keynote address, “Leading in the Spirit of MLK,” will be delivered by Joyce Taylor Gibson, associate professor of leadership and organizational studies at the University of Southern Maine. The event also will feature live music and the presentation of the Dorothy Clark Wilson Peace Writing Prize.

#### **UMaine Extension to host land- and sea-based agriculture conference**

17 Dec 2019

University of Maine Cooperative Extension will host the inaugural Downeast Agriculture Conference from 8:30 a.m. to 4:15 p.m. Jan. 18, at the Lee Pellon Center, 90 Main St., Machias. The snow date is Jan. 25. Both land- and sea-based production topics will be covered, including the future of Maine family blueberry farms, high tunnel crop production, seaweed production, utilization of shared waters, distribution of goods, and value-added products. Grower panels will discuss challenges and collaborations affecting Down East agriculture. There is no fee to attend; donations are welcome and lunch is included. Register [online](#) by Jan. 12. For more information or to request a reasonable accommodation, contact Mary Michaud at 207.581.3175; [mary.michaud@maine.edu](#). For information on becoming a sponsor or reserving a vendor table, email [lily.calderwood@maine.edu](#). More information also is on the [conference website](#).

#### **Bicks co-writes humor column for McSweeney’s**

17 Dec 2019

Caroline Bicks, a professor of English at the University of Maine, co-wrote a humor column for [McSweeney’s](#) with Michelle Ephraim, an associate professor in humanities at Worcester Polytechnic Institute. The column was titled “I am Lady Macbeth, and your Facebook post about your kid’s early acceptance to Harvard really pisses me off.”

#### **Press Herald speaks with Crawley for article on economic gaps, two Maines**

17 Dec 2019

The [Portland Press Herald](#) spoke with Andrew Crawley, an assistant professor of economics at the University of Maine, for the article “Economic gaps underscore perception of 2 Maines.” Cumberland County is responsible for one-third of Maine’s economic output, while Piscataquis County contributes less than 1% of the state’s gross domestic product. This example underscores the perception of “two Maines: a wealthy, robust southern tip surrounded by much poorer communities to the north and west,” the article states. The numbers “reflect the reality,” according to Crawley, who said many counties in northern Maine have significantly older, smaller populations and lower participation in labor force than counties in southern Maine. “As soon as you go further south, you’ve got a younger population” and a more robust economy, he said. “This is a challenge the state faces.” State policies need to focus on maintaining public services, along with critical businesses, such as banks and real estate firms, in smaller communities around the state, according to Crawley, because the loss of those services and businesses could accelerate population declines and further depress economic activity.

#### **The Conversation publishes Socolow’s op-ed on presidential debates, TV game shows**

17 Dec 2019

[The Conversation](#) published an opinion piece by Michael Socolow, an associate professor of communication and journalism at the University of Maine. The piece is titled “Think presidential debates are dull? Thank 1950s TV game shows.” The Alton [Telegraph](#), [MarketWatch](#) and [Salon](#) also published the piece.

#### **Der Spiegel interviews Mayewski about Everest expedition**

17 Dec 2019

[Der Spiegel](#) interviewed Paul Mayewski, director of the Climate Change Institute at the University of Maine, for an article about his experiences on National Geographic’s Perpetual Planet Extreme Expedition to Everest.

#### **Lowell Sun quotes Mallory in article on wheat-based straw alternative**

17 Dec 2019

The [Lowell Sun](#) quoted Ellen Mallory, an associate professor at the University of Maine in Cooperative Extension and the School of Food and Agriculture, in an article about a wheat-based alternative to plastic straws. The article focused on sWHEATie STRAWs, a side-gig business owned by Tewksbury, Massachusetts resident Anne-Marie Maguire that produces wheat-based straws inspired by the ones she encountered in Singapore. The straws are made using stems from wheat plants that farmers don't use, but the process is labor-intensive and that has been a deterrent for U.S. farmers, according to the article. In 2015, Mallory conducted a study with another entrepreneur who was interested in wheat straws, and since then has connected farmers with people like Maguire who are looking for wheat-straw sourcing. Most farmers are not interested in entering the wheat-straw business, and those who are say they can grow the wheat but not process it, according to Mallory. "It's a bit of a leap then to go to production here because there's growing the straw, but then what do you do with it, how do you handle it to turn it into a drinking straw?" She said a smaller-scale niche farm might be better equipped and able to produce wheat straws. "They're a natural product. I think consumers would like that," said Mallory.

**James W. Sewall Co. donates approximately 1 million aerial images to Raymond H. Fogler Library**

18 Dec 2019

Raymond H. Fogler Library at the University of Maine has received a donation of over 3,000 rolls of film containing about 1 million aerial images from the James W. Sewall Co. in Old Town, Maine. The collection contains original aerial photography of Maine and New England captured by Sewall over the span of 65 years. The archive will offer researchers and the public a vast collection that details changes to Maine's landscapes and cities over the past century. "[The Sewall archive] presents an incredibly exciting opportunity for faculty, staff and students to work with a truly unique resource," said Daniel Hayes, assistant professor in the School of Forest Resources at UMaine. "Maine's forest has been in constant flux over the course of history, including the changing composition of tree species, insect outbreaks, land use change, shifting management practices, and climate change. The [archive] represents an unprecedented record of the continuing evolution of Maine's forest landscape." Founded in 1880, Sewall began offering aerial photography services in 1948. The photo archive the company produced captures aerial views of nearly every part of Maine, as well as various locations in New England, Alaska, Canada, and the southern and central U.S. Many regions were photographed multiple times over the course of decades. With the archive, Fogler Library will be able to provide a valuable resource to researchers across many disciplines. "The Sewall aerial photos have tremendous potential for research across the university," said Anne Knowles, professor of history at UMaine. "They provide data about the growth and decline of the state's great pulp and paper industry, urban development, transportation, forestry practices, tourism, the impact of the ash borer and other environmental issues. Such a deep historical and visual record will support interdisciplinary research for decades to come." The photo archive will be cataloged and managed by the Special Collections Department at Fogler Library. The archive is expected to be available to the public in late 2020. "In turning over these archival materials, the James W. Sewall Co. is essentially entrusting its DNA to the University of Maine," said Sewell president George Campbell Jr. "Under Joe Sewall, the company was an early adopter of aerial photography in this part of the country. Not only will Special Collections take excellent care of this important part of Sewall's — and Maine's — heritage, but will make it widely available to researchers as well. We could not be more pleased." Contact: Brad Beauregard, 207.581.1696, [brad.beauregard@maine.edu](mailto:brad.beauregard@maine.edu)

**Graduate class creates business plan for recovery café at Bangor Area Recovery Network**

18 Dec 2019

Graduate students in the Master of Science in Human Development program at the University of Maine have created a business plan for a recovery café at the Bangor Area Recovery Network (BARN). BARN is a nonprofit community recovery center that offers support services to people in addition to recovery and others affected by alcohol or drug addiction. The recovery café would be a physical space at the BARN headquarters in Brewer, where members of the BARN community and the general public could grab a bite to eat or something to drink. "We put together a very simple model for what we thought would work," says SarahJoy Chaples, one of the students who produced the plan. "The café would be open from 10 a.m. to 7 p.m., and serve a limited menu for breakfast, lunch and dinner — sandwiches, hamburgers, some pre-packaged meals, coffee and tea." In a traditional business plan, the economic viability of a project — whether it will make money and be able to support itself — is a major, if not the primary, concern. However, Chaples says there were other factors to consider when creating a business plan for a nonprofit. For one thing, they wanted the café to be affordable and convenient for the people served by BARN. Just as important as economic viability, she says, was making sure the proposal supported the organization's mission to be a sustainable and reliable community recovery center. "People in recovery have unique needs, and peer support — people who've lived through and can relate to their situation — is so important. That's the philosophy of the BARN, and this would be an extension of that," she says. In addition to offering a safe gathering space for people in recovery, the café could help BARN enhance the services it already provides. For example, individuals in recovery could volunteer or work there, gaining valuable job experience. The plan also includes a provision where workers could earn micro-credentials through Eastern Maine Community College, making them more attractive candidates for future employers. Brian Welsh, instructor for the program planning and evaluation class in which the students created the business plan, is a student navigator at EMCC. The project grew out of collaborative work he'd done previously with the BARN and the community college. Welsh says he's impressed by the thought the students put into the plan, and excited about the possibility of the recovery café, which he believes would be the first of its kind in Maine. "This class is project-based, so the students have to come up with an idea and figure out how to execute it," Welsh says. "I'm very proud of what they put together, and now we'll see what BARN decides to do with it." Chaples recently presented the plan to the BARN board of directors, which invited her to come back in January to discuss it in more detail.

**UMaine Extension cited in Click2Houston article on reducing food waste**

18 Dec 2019

University of Maine Cooperative Extension was cited in the [Click2Houston](#) article "How to stop throwing away your veggies and fruit." The article offered tips on choosing the freshest produce, and cleaning and storing it properly to make it last longer. Corn should be eaten immediately, but might last in the fridge for one to two days if still in the husk, according to UMaine Extension.

**BDN publishes op-ed by Silka**

18 Dec 2019

Linda Silka, senior fellow at the Senator George J. Mitchell Center for Sustainability Solutions at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled "Holidays bring gifts and good cheer — and a lot of trash." Silka is a member of the Maine chapter of the national Scholars Strategy Network, which brings together scholars across the country to address public challenges and their policy implications. Members' columns appear in the BDN every other week.

**UMaine Extension staff receive awards, Sun Journal reports**

18 Dec 2019

The [Sun Journal](#) reported staff from the University of Maine Cooperative Extension 4-H youth development program were recently honored as Northeast regional and national winners of the Diversity & Inclusion: Expanding the 4-H Audience Award and the Excellence in After School Programming Award. UMaine Extension recipients of the reward included professor Kristy Ouellette and science professional Sarah Sparks.

**Theriault and Jackson: Honors College students pitch must-see social justice TV**

18 Dec 2019

Maddy Jackson's Saturday morning routine as a young girl included Cap'n Crunch and "Foster's Home for Imaginary Friends." "As an only child, I had lots of imaginary friends," says the University of Maine senior from Hermon, Maine. "It's such a silly cartoon. But it inspired my imagination and creativity. It sticks with me." Elizabeth "Liz" Theriault's must-see kid TV included "Teen Titans" and "Scooby Doo." The senior from Madawaska, Maine still enjoys all things superhero. As youth, Jackson and Theriault realized that shows, including their favorites, had flaws. Theriault, for instance, recognized on "Scooby Doo" that Velma was portrayed as too brainy to be desired. And on "Teen Titans," Starfire was scantily clad. At the same time, Starfire was a fully developed and independent character. And sometimes, the girls on the show saved the boys. In fall 2018, Theriault and Jackson charted social, cultural and political change in TV programs from the 1950s to present day in Jennie Woodard's "Must-See TV: Television as a site for social justice" Honors College course. Some shows were popular well before, or around the time, Theriault and Jackson were born. They included "I Love Lucy" (1953), "As the World Turns" (1961) "Star Trek," (1968), "All in the Family," (1971), "Charlie's Angels" (1976) and "The Fresh Prince of Bel Air" (1990). An important takeaway, says Jackson, was that the shows aired on major networks at the same time every week. "So a whole society was coming together to form collective identities and ideas about these shows. If 'I Love Lucy' was transforming ideas about marriage, then a whole society's reaction to marriage expanded." More recent and current shows they charted included "Buffy the Vampire Slayer," "Parks and Recreation," "Orange is the New Black," "Brooklyn Nine-Nine" and "The Handmaid's Tale." While a show on Hulu, for instance, may reach a smaller audience, "Hulu and Netflix have more creative license, so they are allowed to traverse more controversial and subversive topics," says Jackson. "The conversations we had around 'The Handmaid's Tale' were some of the toughest conversations we had all semester, but they are very much reflective of reality and still important to discuss in the context of how they inform a society. Especially since so much of our media is consumed through streaming services now." Theriault and Jackson imagined the future of social justice on television with the goal of creating a "show that depicts key social justice issues," especially those not currently addressed. [caption



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Seniors Elizabeth Theriault, left, and Maddy Jackson created TV shows that depict key social justice issues. In November, they pitched their shows to judges at the 54th annual National Collegiate Honors Council conference. Theriault, a political science and journalism double major, based her program on an idea for a book she developed as a student at Madawaska High School. “Sincom,” she says, has a bit of the same feel as the “The Hunger Games” and “1984.” In “Sincom,” walls and moral beliefs separate two worlds. For those inside the walls of Virtue, equality has become an oppressive force. Embedded computer chips feed people’s brains with government propaganda. Individual identity does not exist; everyone is treated equally and allocated the exact same resources, regardless of need. When a chip breaks or malfunctions, people “act out” and are expelled to Sin Communities, based on the seven deadly sins. Once outside, people, sans the chips, are free to be who they want. And they’re angry and assembling. “Equality isn’t enough,” Theriault says. Jackson, who majors in English and women’s, gender, and sexuality studies, developed a pitch for a comedy series titled “A Work in Progress.” The show centers around five women in Atlanta who manage adversity, careers, city life and friendships. The women share a strong bond of sisterhood; they help each other achieve goals and provide support in times of need. Including a transgender character was important, says Jackson. In November, Jackson and Theriault presented their pitches to judges in New Orleans at the 54th annual National Collegiate Honors Council conference. Its theme: “Disrupting Education: Creativity and Innovation in Honors.” They connected with Honors College students and faculty from around the United States, and returned with ideas to consider implementing at UMaine, including how to manage stress culture. In the Big Easy, they also ate beignets, listened to jazz music on Bourbon Street and visited the National World War II Museum and RuPaul’s Drag Race World Tour. For Jackson, head copy editor of the Maine Campus and a tutor at the Writing Center, the newspaper office is her favorite UMaine spot. “I found a community at the Maine Campus,” she says. Jackson credits her mother, who initially majored in journalism when she first attended college, with being her rock. “She made education important to me and has encouraged me and supported me.” Family also is important to Theriault, opinion editor of the Maine Campus and avowed Black Bear ice hockey fan. She grew up discussing news and issues around the dinner table with her father, a librarian, and her mother, a kindergarten teacher. “They’re two of the kindest people I’ve ever met,” she says. Theriault also got a taste of politics walking door-to-door with her grandfather when he campaigned for the Maine House of Representatives. He was elected four times. This spring, Jackson and Theriault will finish their Honors College theses. Theriault is examining the language of #MeToo, including its descriptions as a movement (ongoing) or era (has an end). She’s comparing language in tweets and articles about Christine Blasey Ford’s testimony in Brett Kavanaugh’s Supreme Court nomination hearings with language in articles about Anita Hill’s testimony in nomination hearings for then-Supreme Court nominee Clarence Thomas. Jackson is applying feminist and queer narrative theory to contemporary short stories, including short fiction. Her thesis adopts the understanding that to read a narrative through a queer lens is to reject the act of classifying something as one thing or another, and promotes, even celebrates, the ambiguity between the lines. After commencement, Theriault wants to gain additional work experience before attending graduate school. Serving as a communication director at a national park, nature conservancy, nonprofit or for a political party would be ideal, she says. “I love writing with a specific purpose.” Jackson has applied to Emerson College in Boston, with a goal of pursuing a career in publishing. Dream careers include being a literary scout or working at a food magazine. “I’ve been in Maine for 21 years, I want to see somewhere else, go somewhere else,” she says. Both young women say they’ve had incredible experiences — many of them together — at UMaine. “Liz was my first college friend,” says Jackson. “We met on the fourth floor of Penobscot. And in CMJ 111 [Introduction to Journalism], we bonded through the collective trauma of covering the election. We’ve worked together side by side. Look how far we’ve come.” Contact: Beth Staples, 207.581.3777, [beth.staples@maine.edu](mailto:beth.staples@maine.edu)

#### Morning Ag Clips publishes Extension release advancing maple syrup workshops

19 Dec 2019

[Morning Ag Clips](#) published a University of Maine Cooperative Extension release advancing two half-day maple syrup workshops offered by UMaine Extension and the Southern Maine Maple Sugarmakers Association. The workshops will be held Saturday, Jan. 18 at the UMaine Extension York County office in Springvale, according to the release. “Intro to Backyard Sugaring: Maple Syrup 101” will be from 9–11:30 a.m., and “Scaling Up Your Maple Operations: Sap Collection 201” will be from 12:30–3 p.m. The fee per person is \$10 for one workshop or \$15 for both; registration is [online](#). For more information or to request a reasonable accommodation, call 207.781.6099 or email [rebecca.gray@maine.edu](mailto:rebecca.gray@maine.edu).

#### Science magazine speaks with Mayewski about Everest expedition

19 Dec 2019

[Science](#) magazine spoke with Paul Mayewski, director of the Climate Change Institute at the University of Maine, for the article “What’s it like to install a weather station at the top of the world?” Mayewski and Tom Matthews, a climate scientist at Loughborough University in the United Kingdom, were interviewed about their experiences as members of the National Geographic and Rolex Perpetual Planet Extreme Expedition to Mount Everest. “You’re totally dependent on oxygen at higher elevations. At the top of Everest, the air is a lot thinner than at sea level,” said Mayewski. “Imagine trying to do something relatively complicated with about a third of the oxygen you would normally have. You’re also confined by an oxygen mask, heavy clothing, winds whipping around you, and lots of other people nearby. It’s probably one of the most extreme environments you can think about working in.”

#### Mayewski continues climate change conversation on ‘The Maine Question’

19 Dec 2019

What’s it like living and doing research in the world’s most remote locations? Listen as Ron Lisnet continues his conversation with Paul Mayewski, director of the University of Maine Climate Change Institute. In Part 2 of the two-part podcast “The Maine Question,” Mayewski recalls drilling ice cores on glaciers and living in a tent for weeks while it’s minus 50 degrees C. In addition to sharing exciting adventures, Mayewski talks about the tremendous power and responsibility of the media to report on climate change. And while climate change has become politicized, Mayewski says climate science is fact-based and that it’s important to be a fact-based society. While he believes the climate has already entered a period of instability, Mayewski says he’s optimistic about how the world could evolve. Find the podcast on [iTunes](#), [Google Play](#), [SoundCloud](#), [Stitcher](#), [Spotify](#) and “The Maine Question” [website](#). For more information or to suggest topics of interest, email [mainequestion@maine.edu](mailto:mainequestion@maine.edu).

#### ‘The Simon & Garfunkel Story’ among January CCA performances

20 Dec 2019

January events at the Collins Center for the Arts at the University of Maine will include a performance of “The Simon & Garfunkel Story,” a chamber music concert and several broadcast shows. “The Simon & Garfunkel Story” tells the tale of how two young boys from Queens in New York City became the world’s most successful music duo. Starting from their humble beginnings as ‘50s rock ‘n’ roll duo Tom & Jerry, the show journeys through all the songs and stories that shaped them, the dramatic split and their individual solo careers, and ends with a recreation of the legendary 1981 Central Park reunion concert. The CCA performance will be at 7 p.m. Tuesday, Jan. 21. At 7 p.m. Jan. 14, cellist António Meneses and guitarist Paul Galbraith will give a chamber music concert at the Bangor Arts Exchange in downtown Bangor. The program includes solo works, a new arrangement of Schubert’s “Arpeggione” Sonata, Brazilian composer Radamés Gnattali’s “Sonata for Guitar and Cello,” and “Five Places from Imaginary Brazil” written for the duo by the celebrated young Brazilian composer André Mehmani. A reception for patrons and artists will follow the concert, which is a fundraiser for the Collins Center’s chamber music series. Two recorded broadcasts will be shown as part of the National Theatre (NT Live) series, which includes plays that are filmed in front of a live audience, transmitted via satellite to the CCA, then projected onto a high-definition screen — one of the largest in the state. When filmed, cameras are positioned throughout the theatre to ensure cinema audiences get the best-seat-in-the-house view. “One Man, Two Guvnors” will be shown at 1 p.m. Sunday, Jan. 5, and “Present Laughter” will be shown at 7 p.m. Friday, Jan. 17. And, as part of the Metropolitan Opera’s The Met: Live in HD series, “Wozzeck” will be shown at 1 p.m. Saturday, Jan. 11. For more information, to view the full season schedule or to purchase tickets, visit the CCA [website](#).

#### Morning Ag Clips reports UMaine Extension to offer produce safety course Jan. 16

20 Dec 2019

[Morning Ag Clips](#) published a University of Maine Cooperative Extension news release announcing UMaine Extension will offer Produce Safety Alliance Grower Training from 8:30 a.m. to 5 p.m. Jan. 16 at the Maine Agricultural Trades Show at the Augusta Civic Center. Workshop partners include the Maine Department of Agriculture, Conservation and Forestry, and AgMatters LLC, according to the release. The course will provide a foundation for produce safety, best practices, co-management of natural resources and food safety, Food Safety Modernization Act requirements and developing a farm food safety plan. The \$30 fee includes a training manual, breakfast and lunch; register [online](#) by Jan. 10. For more information or to request a reasonable accommodation, contact Theresa Tilton, 207.942.7396, [theresa.tilton@maine.edu](mailto:theresa.tilton@maine.edu).

#### **Penobscot Bay Pilot previews aquaculture course to livestream at Hutchinson Center**

**20 Dec 2019**

[Penobscot Bay Pilot](#) previewed an aquaculture training course to be offered by Maine Aquaculture Innovation Center, Coastal Enterprises, Inc., Maine Aquaculture Association, and Maine Sea Grant and University of Maine Cooperative Extension. The course, Aquaculture in Shared Waters, is designed for commercial fishermen and members of fishing families who are interested in diversifying their incomes, and is funded by the NOAA Sea Grant program. The 2020 class will begin 6–8 p.m. Jan. 6 at the offices of Coastal Enterprises, Inc., in Brunswick. Classes will be held on Mondays for 12 sessions, concluding in April, the article states. The classes also will be streamed live at UMaine’s Hutchinson Center in Belfast. The course is free of charge, and open to all who are interested and committed to regularly attending all sessions. Those who participate in a minimum of 70% of the sessions and attend critical presentations will receive a Certificate of Completion. To register or for more information, contact Nick Branchina, [nick.branchina@ceimaine.org](mailto:nick.branchina@ceimaine.org).

#### **Turner Publishing, Morning Ag Clips advance Jan. 18 microgreens workshop**

**20 Dec 2019**

[Turner Publishing](#) and [Morning Ag Clips](#) published a University of Maine Cooperative Extension news release advancing a workshop on growing microgreens from 10–11:30 a.m. Jan. 18 at the UMaine Regional Learning Center in Falmouth. UMaine Extension horticultural professional Pamela Hargest will lead the workshop, which will include optimal indoor growing conditions, and the variety of seeds available and their growing conditions. The fee is \$10 per person and includes a tray sown with microgreens to take home. Registration is [online](#). For more information or to request a reasonable accommodation, call 207.781.6099 or email [rebecca.gray@maine.edu](mailto:rebecca.gray@maine.edu).

#### **Mainebiz, WABI report Old Town firm donates early aerial photos to Fogler**

**20 Dec 2019**

[Mainebiz](#) and [WABI](#) (Channel 5) reported Old Town-based James W. Sewall Co. has donated more than 3,000 rolls of film containing about 1 million aerial images to the Raymond H. Fogler Library at the University of Maine. The collection contains original aerial photography of Maine and New England captured by Sewall over a span of 65 years. “These photos will provide a lot of interdisciplinary research opportunities for faculty, staff, students and patrons across the region,” Brad Beauregard, public relations manager at Fogler Library, told WABI. The photos in this archive could be useful for studying land use and management, forest resources, climate change and other topics, Beauregard said. The archive “presents an incredibly exciting opportunity for faculty, staff and students to work with a truly unique resource,” said Daniel Hayes, assistant professor in the School of Forest Resources at UMaine. “Maine’s forest has been in constant flux over the course of history, including the changing composition of tree species, insect outbreaks, land use change, shifting management practices, and climate change. The [archive] represents an unprecedented record of the continuing evolution of Maine’s forest landscape. According to Anne Knowles, a professor of history at UMaine, the photos provide data about the growth and decline of Maine’s pulp and paper industry, urban development, transportation, forestry practices, tourism, the impact of the ash borer and other environmental issues. The archive will be managed by Special Collections at Fogler, and will be available to the public by late 2020, the reports state. The [Portland Press Herald](#), [Bangor Daily News](#) and [The Sacramento Bee](#) carried the [Associated Press](#) story and the [Penobscot Times](#) ran the University of Maine release.

#### **Maine Harvest for Hunger reaches 3 million pounds of produce donated for those in need**

**20 Dec 2019**

Since 2000, Maine Harvest for Hunger, a program coordinated by University of Maine Cooperative Extension, has distributed more than 3 million pounds of food to citizens grappling with hunger. This year, the program donated more than 193,000 pounds of fresh produce from over 120 farms in the state. The donations went to 207 hunger-alleviation distribution sites. Maine Harvest for Hunger had 365 volunteers this year, including UMaine Extension Master Gardeners, and eight corporate partners from 12 counties who logged over 6,000 hours. The value of the produce they harvested is estimated at over \$327,000. According to the [USDA Economic Research Service](#), Maine has the highest rate of food insecurity in New England. The USDA estimates over 13.6% of Maine households — over 182,000 individuals — are food insecure. According to [Feeding America](#), 18.5% of Maine children experienced food insecurity in 2017. Since 2000, UMaine Extension’s Maine Harvest for Hunger has mobilized Master Gardener Volunteers, home gardeners, farmers, businesses, schools, and civic groups to grow, glean, and donate quality produce to distribution sites (pantries, shelters, community meals) and directly to neighbors in need. The goal is to mitigate hunger, improve nutrition and health, and help recipients develop lifelong positive nutritional habits. In addition, educational programs, such as Hancock County’s Eat Well Volunteers, have focused on engaging food pantry recipients in learning appropriate methods of cooking and using fresh produce. Statewide Extension programs help teach Mainers to grow more of their own fresh garden produce. Now in its 20th season, Maine Harvest for Hunger has continued to improve the efficiency of supplying fresh produce to food pantries across Maine through building partnerships. For example, through Maine Harvest for Hunger volunteer planning and communications, several food pantries are now sending trucks and vans directly to the farm where gleaning is taking place. Maine has approximately 130 community gardens and many of them are supported by Extension staff and Master Gardener Volunteers. As a result, more than 30 of them now have added a Maine Harvest for Hunger area to their community garden and contributed almost 20,000 pounds in 2019. To connect with the Maine Harvest for Hunger program, contact a local [program coordinator](#). More information about how to support the program is [online](#). Contact: Frank Wertheim, 207.324.2814, [frank.wertheim@maine.edu](mailto:frank.wertheim@maine.edu)

#### **Morning Sentinel, KJ advance free workshops for new farmers**

**30 Dec 2019**

The [Morning Sentinel and Kennebec Journal](#) posted the University of Maine Cooperative Extension release about the Beginning Farmer Resource Network’s free workshops and consultation services for new farmers Jan. 14–16 during the Maine Agricultural Trades Show. [The Courier of Montgomery County](#) and [Houston Chronicle](#) posted the AP article, and [Mainebiz](#) also reported on the workshops. For more information, visit [extension.umaine.edu](http://extension.umaine.edu), or contact Tori Jackson at [tori.jackson@maine.edu](mailto:tori.jackson@maine.edu).

#### **Media publish release about plastic recycle program**

**30 Dec 2019**

[The Republican Journal](#), [Penobscot Bay Pilot](#), [The Penobscot Times](#), [Morning Ag Clips](#), [The County](#) and [Fiddlehead Focus](#) ran a media release that announced University of Maine Cooperative Extension was awarded \$38,764 as a one-year Maine Department of Environmental Protection Waste Diversion Grant to develop a statewide pilot program to recycle agricultural greenhouse plastic. The goal is to collect at least a third of Maine’s annual waste greenhouse plastic, and partner with an end-user that can convert the collected plastic into resin feedstock used in the manufacture of new plastic products, according to the release. Collection of waste plastic will run from May through September 2020. Participation is free and open to all growers who register. [USA Today](#) noted the program in its roundup of news from the 50 states. The [Alva Review Courier](#) in Oklahoma ran the [Associated Press](#) story. [Plastics Recycling Update](#), a publication of Resource Recycling, Inc., also reported on the program.

#### **Swaddle cites Rosenbaum’s research about spoilers**

**30 Dec 2019**

Pallavi Prasad cited Judith Rosenbaum’s research about spoilers in her column in [The Swaddle](#). Prasad included a quote from Rosenbaum’s interview with [Vox](#) “that a lot of people’s reactions to spoilers depend on the circumstances. It’s not one-size-fits-all. We’ve published several papers that point to personality traits as a factor, for instance, or even the genre. We’ve found that when comedy is spoiled, it’s less enjoyable. But when fantasy is spoiled, it doesn’t seem to matter as much.” Rosenbaum, an associate professor of communication and journalism, and Benjamin K. Johnson at the University of Florida, also found that when people are invested in characters’ lives, they’ll actively seek out a spoiler to see if anything bad happens to them.

#### **Dill talks with BDN about ticks, testing, diseases**

**30 Dec 2019**

Griffin Dill and the University of Maine Cooperative Extension Tick Identification Lab were included in a [Bangor Daily News](#) article about ticks. The lab has tested around 2,000 ticks for Lyme, anaplasmosis and babesiosis since April 1. “Of the 2,000 ticks, we found that roughly 45 percent tested positive for one of the three pathogens,” said Dill, who manages the tick lab. “Around 38 percent tested positive for ... Lyme; 8 percent for anaplasmosis and roughly 6 percent for babesiosis.” The lab plans to add more tick-borne pathogens to its test panel, according to the article, including *Borrelia miyamotoi*, a bacteria that’s transmitted by deer ticks and causes a disease that has similar symptoms to Lyme disease, and Rocky Mountain spotted fever, which is being diagnosed more frequently in southern New England. For a better understanding of the types of ticks and diseases statewide, this winter, researchers will test ticks from every county in Maine, Dill said. “We’d certainly like to increase that field survey work to be more reflective of different geographic locations and habitats in the state,” he said, “so we can get a really good understanding of where these ticks are being found and can track them as they move throughout the state.” For more information, visit [extension.umaine.edu/ticks](http://extension.umaine.edu/ticks). [WGME](#) posted the BDN story.

#### **Harvest for Hunger donations reach 3M pounds of fresh produce, media report**

**30 Dec 2019**

[Maine Public](#), [WABI](#) (Channel 5), [WVII](#) (Channel 7), [Portland Press Herald](#), [Bangor Daily News](#) and the [Raleigh News & Observer](#) ran an Associated Press story about a University of Maine Cooperative Extension program that has donated 3 million pounds of fresh produce to Maine people since 2000. In 2019, Maine Harvest for Hunger donated more than 193,000 pounds of produce from more than 120 farms in the state. The value of produce harvested this year is estimated at more than \$300,000, according to the article. [The Forecaster](#) also noted Maine Harvest for Hunger’s milestone.

#### **Press reports on death of microprocessor inventor Chuck Peddle**

**30 Dec 2019**

The [Portland Press Herald](#), [Bangor Daily News](#), [News Center Maine](#) and [WABI](#) (Channel 5) reported on the death of Chuck Peddle, a 1959 graduate of the University of Maine’s engineering program whose 1975 invention of a microprocessor paved the way for the era of personal computing. Peddle died Dec. 15 at the age of 82 at his home in California. On the 60th anniversary of his graduation from the university, UMaine honored Peddle last spring with its Edward T. Bryand Engineering Award. The UMaine Alumni Association also awarded him its Career Award in April. “It was such an honor to meet Chuck Peddle when he returned to his alma mater this spring,” UMaine President Joan Ferrini-Mundy said. “His Maine roots and UMaine engineering education were the foundation for his truly inspirational career. His legendary vision, talent and entrepreneurial spirit changed our world. He was a personal computer pioneer and his legacy lives on.” The [Stamford Advocate](#) ran the [Associated Press](#) story that included Peddle in its list of notable people with Maine connections who died in 2019. The [Fairfield Citizen](#) also ran the AP story. And [The Wall Street Journal](#) reported on Peddle’s achievements, noting the engineer led a “team whose cheap device, launched in 1975, made desktop machines affordable.” [The Chronicle Herald](#) in Nova Scotia reported on Peddle’s Newfoundland and Labrador connections. His father, Thomas E. Peddle, was born in Bristol’s Hope-Harbour Grace area and distant relatives of the computing icon still live in the Conception Bay North area.

#### **Buffalo News utilizes Climate Reanalyzer in snowfall deficit story**

**30 Dec 2019**

In its article about snowfall deficit and global temperature anomalies, [The Buffalo News](#) linked to the Climate Change Institute Climate Reanalyzer. “Even Moscow didn’t get a white Christmas, which is unusual ... For most of us, shovels can remain in place and snowblowers will continue a lengthening rest,” Don Paul wrote.

#### **Newsom quoted in bicentennial column in Morning Sentinel, KJ**

**30 Dec 2019**

In Lisa Miller and Luisa Deprez’s column in the [Morning Sentinel and Kennebec Journal](#) about Maine turning 200 years old, University of Maine assistant professor of anthropology Bonnie Newsom, a citizen of Penobscot Indian Nation, said, “People have been living here for at least 11,000 years ... living along the Penobscot River for at least 9,000 years.” The column concluded, “America needs Maine to once again provide a guiding light as we welcome and embrace our newest neighbors while honoring all those who came before them.” [Portland Press Herald](#) also published the column.

#### **Graduate School Commencement to award diplomas for all candidates for advanced degrees on May 8**

**30 Dec 2019**

The University of Maine’s Graduate School Commencement Ceremony will be held on May 8 at 4 p.m. in Harold Alfond Sports Arena. New to the ceremony this year: All candidates for advanced degrees, including doctoral candidates, will receive their hoods and have their degrees conferred during the Friday afternoon ceremony. All graduate students interested in participating should apply to graduate for their respective graduation term in MaineStreet by Feb. 1. Additional information will be made available on the Graduate School Commencement Ceremony [website](#). Guest tickets are not required. All participating graduate students are encouraged to invite as many family and friends to attend as they would like. A live stream will be made available for those with friends and families not able to attend in person. The Graduate School ceremony has evolved in recent years to better accommodate the graduate student community and the growing number receiving graduate degrees. While the doctoral candidates have traditionally been recognized at the Friday ceremony, 2020 is the first year they also will receive their diplomas on Friday afternoon. “We are delighted to provide world-class graduate education at Maine’s flagship university, and look forward to conferring degrees to a record number of our graduate students who have been prepared well for professional success and rewarding careers,” says Kody Varahramyan, Vice President for Research and Dean of the Graduate School. The University of Maine conferred its first master’s degree in 1881. Since that time, graduate offerings have expanded significantly to include the current selection of over 130 areas of study in graduate certificates, master’s, education specialists, Certificate of Advanced Studies, and doctoral options. More information about the Graduate School is available [online](#).

#### **UMaine Extension receives grant to recycle agricultural greenhouse plastic**

**30 Dec 2019**

University of Maine Cooperative Extension has been awarded \$38,764 by a one-year State of Maine Department of Environmental Protection Waste Diversion Grant to develop a statewide pilot program to recycle agricultural greenhouse plastic. The grant proposes that a voluntary recycling program can achieve a high percentage of grower participation, and affordably divert and recycle a significant percentage of waste greenhouse plastic. The target material for recycling, low-density polyethylene (LDPE #4), is a clear film used to cover greenhouses, high tunnels, hoop houses and other agricultural structures. It is estimated that Maine annually disposes of 30.1 tons of this waste greenhouse plastic, primarily destined for landfills, with expectations for an increase in volume due to Maine’s interest in season extension technologies, USDA NRCS funding for new high tunnel construction, and the production of hemp and cannabis. The program’s goal is to collect at least one-third of Maine’s annual waste greenhouse plastic, and partner with an end-user who can convert the collected plastic into resin feedstock used in the manufacture of new plastic products. Collection of the waste plastic will run from May through September 2020. Participation will be free of charge and open to all growers who register for the project. Affiliated partners donating additional time and resources include Maine Organic Farmers and Gardeners Association; USDA Natural Resources Conservation Service, Maine; and the Maine Resource Recovery Association in Newport. Co-investigators for the research include Extension professor Richard Kersbergen; Extension ornamental horticulture specialist and assistant professor of horticulture Matthew Wallhead; MOFGA organic crop and conservation specialist Caleb Goossen; and program manager David McDaniel. For more information, contact program manager David McDaniel, 207.342.5971; [agplasticrecycling@maine.edu](mailto:agplasticrecycling@maine.edu). More information is also available on the [project website](#).

#### **UMaine student receives regional continuing education award**

**30 Dec 2019**





[caption id="attachment\_74722" align="alignright" width="223"]

Nataschia La Verde/caption] Nataschia La Verde of Belfast, Maine has received a 2020 University Professional and Continuing Education Association (UPCEA) New England Region Outstanding Student Award. The award honors an undergraduate enrolled in a program offered through a division of professional, continuing or online education who has demonstrated outstanding achievement and an unusual will to learn — not only to enhance their own career, but also to add to the quality of life of their family and community. La Verde was nominated for the UPCEA award by Barbara Howard, director of the Bachelor of University Studies, the University of Maine’s interdisciplinary adult completion degree. “Brilliant and resilient are words that describe Nataschia La Verde,” Howard says. An immigrant from Italy, dedicated to advancing her education in order to provide a better life for her and her children, La Verde enrolled in courses part-time at the Hutchinson Center, UMaine’s outreach center in Belfast. Working with Howard, she developed a curriculum that incorporated her interests and concentrated on her passion for history. Her research focused on the experiences and journey of individuals who historically created social, political and civil resistance. While maintaining full-time employment, caring for her family as a single mother, and volunteering in her community, La Verde graduated in December 2018. She was elected to the Alpha Sigma Lambda Honor Society and recognized as the 2019 Division of Lifelong Learning’s Outstanding Graduating Student. Maine’s public universities are attracting more students outside the traditional 18 to 24 age range, according to the University of Maine System’s spring 2019 enrollment report. With dedicated student support, scholarships and flexible online learning options, UMaine’s Bachelor of University Studies offers adult learners like La Verde the opportunity to earn a bachelor’s degree that will be valued by employers. La Verde is now a staff member at the Hutchinson Center with plans to pursue a graduate degree. She not only followed her dreams, but conquered them in the face of adversity throughout her life. La Verde is now eligible for the national UPCEA Association Award. More information about the Bachelor of University Studies is online at [umaine.edu/universitystudies](http://umaine.edu/universitystudies).

#### **Daily Mail quotes Lobster Institute about white crustacean**

**31 Dec 2019**

[Daily Mail](#) cited the University of Maine Lobster Institute in reference to a white lobster caught on the Yorkshire coast of United Kingdom. “The odds of finding an albino lobster are one in 100 million lobsters,” according to University of Maine Lobster Institute. “Yet, people do find them.” A genetic condition called leucism, which is the partial loss of pigmentation, causes the white appearance, according to the article.

#### **Deutsche Welle links to Climate Reanalyzer’s mapping of ‘heat blob’ in Pacific Ocean**

**31 Dec 2019**

[Deutsche Welle](#), Germany’s international broadcaster, credited the Climate Change Institute’s Climate Reanalyzer in its story about ocean heat waves and Australian bushfires. The article linked to the Climate Reanalyzer, which mapped the heat blob in the Pacific Ocean between New Zealand and South America. The National Institute of Water and Atmospheric Research described the blob as a huge anomaly with regard to sea temperature.

## UMaine News Press Releases from Word Press XML export 2019

### BDN interviews students for article about Witter Farm

18 Dec 2019

The [Bangor Daily News](#) interviewed University of Maine students for an article about the J. Franklin Witter Teaching & Research Center at UMaine. About 50 students in the Maine Animal Club, Drill Team and Icelandic Sheep Club tend to the farm and care for its nearly 120 animals year-round. “We’re pretty independent here,” said Hannah Dill, an animal science student. The students apply knowledge learned in class to practical work, including milking cows at 3 a.m. and monitoring their assigned animals around the clock when they’re in labor, according to the article. Last semester, students came to the farm every 4 hours to bottle-feed new piglets when their mother couldn’t, but lost 13 out of the 19. Students Hadley Moore and Lilla Tilton-Flood said when a beloved animal dies, it’s difficult to cope with, but it was still a rewarding experience to care for the animals from birth. Witter Farm also is the place where many students realize they don’t actually have what it takes to be a farmhand, said Moore, an animal and veterinary sciences student. One goal of the student groups is to encourage community members to visit the farm more often. “Not a lot of people know we have a farm on campus,” said Makayla Krebs, president of the Drill Team. The student groups have started hosting events for the public to increase awareness, like Trick or Trot in October, Witter Wonderland in December and a spring showcase. The students want people to come and see how they care for the animals at Witter Farm and the special bond they create with them, the article states. The [Penobscot Times](#) published the BDN article.

Test

19 Dec 2019

test

### Web Accessibility and Inclusion

19 Nov 2019

Web accessibility has always been a requirement for UMaine websites, and Digital Communications has been increasing efforts to improve the accessibility of web content on umaine.edu. The term "accessibility" refers to our efforts to remove barriers that prevent access to websites by people who have a disability. This month, we discuss how web accessibility fits into our broader goals of inclusion at UMaine. The goals around accessibility and inclusion overlap significantly. While accessibility addresses the need to create an equivalent experience for everyone regardless of their reliance on assistive technology, inclusion focuses on involvement with a diverse audience.

### Inclusion for a global audience

Tools like Google Translate offer a good example of this overlap— if an image on your website has text as part of the image, this poses a challenge for accessibility *and* is not inclusive in design (translation tools cannot "see" the text to translate it for a reader). A better tactic is to provide text outside of an image, [as we have discussed in earlier newsletters](#). The University of Maine has a growing community of international students and faculty, and English may not be their primary language. Ensuring they can easily translate pages when necessary is important.

### Inclusion for low-bandwidth users

Maine is a very rural state, and availability of broadband outside of our campus can be limited— even for faculty, staff, and students living in our surrounding communities. Website accessibility guidelines help these users as well. While a full color PDF and a flipbook-style presentation is snazzy to a visitor using broadband, a well-structured page with



proper headings helps users with slow connections when images may not quickly load (or load at all). [Our January 2019 newsletter discusses accessibility considerations for PDFs](#), and we always encourage content creators to ask "should I add this as a PDF?" even if attempting to make a PDF that is accessible. Web pages are easier to make accessible, and offer a better experience for low bandwidth users.

## **Inclusion for mobile device users**

Our website has a mobile-friendly responsive design, which is intended to give mobile users a good experience without the need to maintain a separate mobile version of content. When building web pages, it is important to consider how your content displays on a mobile device, especially when creating tables. [Our article from the June newsletter details accessibility considerations for tables](#); following that advice will benefit mobile users as well. If you have any questions about web accessibility, or want to see us cover an accessibility topic in a future newsletter, please get in touch with us at [um.weboffice@maine.edu](mailto:um.weboffice@maine.edu).

## **2019 Graduate Student Government (GSG) Summer Research Fellowships**

**17 May 2019**

### **History of GSG Research Fellowships**

In 2018, the Graduate Student Government (GSG), in conjunction with the Vice President for Research and Dean of the Graduate School (VPRDGS), launched a new summer fellowship program to be coordinated by the GSG, with the support of the Graduate School. A total of \$45,000 in stipend support was promised over the course of 3 academic years for the GSG to award to exemplary graduate students (at which point the program is to be evaluated with potential for renewal). In each of the three years, three \$5000 fellowships will be awarded to graduate students who have demonstrated outstanding scholarly achievement, obtaining a minimum GPA of 3.2, as well having showcased exemplary participation and/or achievement in (a) research (b) leadership and (c) service to the University of Maine. \*‘Research’ as defined for official University departments, overseen by the VPRDGS. ‘Leadership’ to be defined as serving the graduate student population in a position of leadership as a teaching assistant, or any position of leadership within their program, as well as ‘leadership’ in terms of leading significant research projects, or efforts to expand a funding profile of an existing project or expand the University into new fields of research. ‘Service’ will be defined as voluntary engagement in activities to the benefit of the University of Maine, the graduate student population, as well as stakeholders in the community. Number to be awarded: 3 Award Amount: \$5,000 one-time award\* \*1/3 of award (\$1667.00) to be disbursed during the summer months of June, July, and August on the final day of the month.

### **Eligibility**

Graduate students, enrolled in at least 1 credit (full-time), in good academic standing, having completed at least one year of graduate study, and who have (a) an outstanding record of leadership (b) service to the University of Maine or its broader community, and participate in (c) research having direct, positive impact on the University and/or have demonstrated a high level of involvement with graduate student affairs, such as serving on search committees, participating in Graduate Student Government, Student Symposium committees, or volunteering at the organizational level for graduate student events, workshops, etc. Priority will be given to students who do not have another source of funding for the Summer term.

### **Review of Applications**

The University of Maine’s Office of the Vice President for Research and Dean of the Graduate School will have oversight over formal review process of the \$45,000 award fund. Renewal of the fellowship fund beyond the initial three-year period will be at the discretion of the Vice President of Research and Dean of the Graduate School The Executive Committee of the Graduate Student Government (GSG) will act as directed by VPRDGS, facilitating solicitation, recruitment, outreach, and applicant review. Direct applicant review will be overseen by a ‘Review Team’ of no less than two (2) Executive Officers (recommended that one of the two be the Grants Officer) from the GSG and

the Senior Associate Dean of the Graduate School (Scott Delcourt), with the VPRDGS having final ‘veto power’ over the submitted finalists determined by the review team.

## Submission Requirements

Short Essay (500 words maximum short essay) Effectively demonstrates research/leadership/service activities. Summer research prospectus (500 words maximum Abstract) Prospective awardees should provide a brief description of the work to be done over the course of the upcoming Summer term which the fellowship will support. \*A report will be completed at the end of the Summer term, detailing the work completed.

## Accompanying Requirements:

A Letter of support from advisor (sent separately by advisor with subject line “GSG Summer Fellowships–Student Name”) due no later than Saturday, June 8th at 5:00 PM. **Submission Deadline: Saturday, June 1st, 2019 by 5:00 PM**  
Awardees Notified: no later than June 15th, 2019 by midnight. Receipt of first monetary award to be received no later than the final day of each of the three months (June, July, and August).

## Application Instructions

Please email applications in PDF format with subject line “GSG Summer Fellowships– Student Name” to: umgradawards@gmail.com. \*Advisor letter of support can be received after the submission deadline, with students being selected based upon Statement demonstrating leadership/service activities, and Summer research prospectus but must be received prior to receipt of first award (June). A Message from the President, Graduate Student Government: The Graduate Student Government commits to the search for, and showcase of, student excellence in the areas of research, leadership, and service to others, for the benefit of another individual, the University of Maine and related organizations, the UMaine community including non-profit organizations, and/or the world or for ‘global good’. Working collaboratively with all University of Maine departments, including the Office of the VPRDGS, the GSG aims to increase access to funding ongoing research, and/or leadership, and/or service activities. Exceptional student leadership is character of the University of Maine and is deserving of recognition and compensation for those who demonstrate exemplary performance in those areas. Eligible students are highly encouraged to apply. Best of luck! Lacey R. Darling The University of Maine and Graduate Student Government is an EEO/AA Employer. MAINE’S LAND GRANT AND SEA GRANT UNIVERSITY One of Maine’s public universities

**Balunkeswar (Balu) Nayak**

**04 Jan 2019**

**Kenda Scheele**

**07 Jan 2019**

**Ocean waves**

**08 Jan 2019**

**Plains zebras, Etosha National Park, Namibia**

**14 Jan 2019**

**Scott Horey**

**18 Jan 2019**

**Yogurt**

**23 Jan 2019**

**Summer University 2019**

**24 Jan 2019**

**UMaineGOLD logo**

**24 Jan 2019**

**Renee Kelly**

**28 Jan 2019**

**Faye Gilbert**

**29 Jan 2019**

**Kim Crowley**

**29 Jan 2019**

**Nick Rotter-Weller**

**29 Jan 2019**

**Greenland Point Center**

**01 Feb 2019**

**Volturnus**

**01 Feb 2019**

**Lady's slipper**

**04 Feb 2019**

**Christopher Rigaud**

**06 Feb 2019**

**Jon Bomar**

**06 Feb 2019**

**Old Man Sausage**

**08 Feb 2019**

**Rhian Sweden**

**15 Feb 2019**

**Rhian Waller Sweden**

**15 Feb 2019**

**Sandra Caron**

**15 Feb 2019**

**Buchan Alumni House**

**15 Feb 2019**

**AKC Fogler**

**20 Feb 2019**

**Abby Irvine**

**25 Feb 2019**

**Winter recess**

**01 Mar 2019**

**Sam Hess flu**

**01 Mar 2019**

**Foster Center**

**01 Mar 2019**

**Margaret Chase Smith Recipe Research Collaborative**

**06 Mar 2019**

**Smith blueberry muffin recipe**

**06 Mar 2019**

**Research report**

**07 Mar 2019**

**Starflower**

**12 Mar 2019**

**Acadia trail signs**

**12 Mar 2019**

**Cadillac Mountain**

**12 Mar 2019**

**Miller tree migration**

**14 Mar 2019**

**Melissa Maginnis**

**15 Mar 2019**

**Josephine Roussell**

**15 Mar 2019**

**Inauguration Alumni Hall**

**20 Mar 2019**

**Jordan Gardner**

**21 Mar 2019**

**Winslow Hall tenure and promotion**

**25 Mar 2019**

**Harley Rogers**

**29 Mar 2019**

**Pollen**

**29 Mar 2019**

**Melissa Smith**

**01 Apr 2019**

**Oscar Degnan**

**01 Apr 2019**

**Townsend fish oil**

**01 Apr 2019**

**Fogler val/sal**

**02 Apr 2019**

**Drew Brooks**

**02 Apr 2019**

**Ana Eliza Souza Cunha**

**02 Apr 2019**

**Green crab dog biscuit**

**02 Apr 2019**

**UMSS student symposium**

**03 Apr 2019**

**Drew Brooks**

**03 Apr 2019**

**Ana Eliza Souza Cunha**



**03 Apr 2019**

**Connor Ferguson**

**04 Apr 2019**

**Olivia Reese**

**04 Apr 2019**

**Nursing student PJs**

**05 Apr 2019**

**Vincent Eze**

**09 Apr 2019**

**Dominic Guimond**

**09 Apr 2019**

**Shayla Kleisinger**

**09 Apr 2019**

**Natascia La Verde**

**09 Apr 2019**

**Eben Lenfest**

**09 Apr 2019**

**Lydia Murray**

**09 Apr 2019**

**Grace Pouliot**

**09 Apr 2019**

**Ilija Stojiljkovic**

**09 Apr 2019**

**Thilee Yost**

**09 Apr 2019**

**UMaine bear statue**

**09 Apr 2019**

**Dominic Guimond**

**09 Apr 2019**

**Eben Lenfest**

**09 Apr 2019**

**Grace Pouliot**

**09 Apr 2019**

**Ilija Stojiljkovic**

**09 Apr 2019**

**Lydia Murray**

**09 Apr 2019**

**Natascia La Verde**

**09 Apr 2019**

**Shayla Kleisinger**

**09 Apr 2019**

**Thilee Yost**

**09 Apr 2019**

**Vincent Eze**

**09 Apr 2019**

**Wolverine skull**

**12 Apr 2019**

**Sheryl Hill**

**12 Apr 2019**

**Betsy Rose**

**12 Apr 2019**

**Organic carbon lakes**

**16 Apr 2019**

**Susan McKay**

**17 Apr 2019**

**Jennifer Tyne**

**17 Apr 2019**

**Jasmine Saros**

**17 Apr 2019**

**Stevens Hall**

**17 Apr 2019**

**Courtney Hatton**

**18 Apr 2019**

**Betty Lee**

**19 Apr 2019**

**Janet May**

**19 Apr 2019**

**Lobster in a lab**

**24 Apr 2019**

**Flag on UMaine's campus**

**25 Apr 2019**

**Florence Reed**

**25 Apr 2019**

**UMaine ROTC cadets in the woods**

**25 Apr 2019**

**Maine Day paw**

**29 Apr 2019**

**Amy Blackstone**

**29 Apr 2019**

**Susan McKay**

**30 Apr 2019**

**Grace Smith and Alan Baez**

**30 Apr 2019**

**Bridget Ziegelaar**

**30 Apr 2019**

**Memorial Union**

**30 Apr 2019**

**Oak Ridge news feature**

**02 May 2019**

**UMaine - Oak Ridge Event**

**02 May 2019**

**STARS greenhouse**

**03 May 2019**

**Stars Sea**

**03 May 2019**

**sustainability logo**

**03 May 2019**

**Seals**

**03 May 2019**

**Commencement**

**03 May 2019**

**Kara Pellowe**

**06 May 2019**

**Genevieve McDonald**

**07 May 2019**

**Crew**

**08 May 2019**

**2019 Commencement**

**11 May 2019**

**Drisanna Watson**

**17 May 2019**

**Bailey West**

**20 May 2019**

**Pink and white lady slipper orchids**

**22 May 2019**

**Dannel Malloy**

**30 May 2019**

**Jesse Groening**

**30 May 2019**

**Fulbright news feature**

**03 Jun 2019**

**Diving at a coral reef**

**04 Jun 2019**

**Lobster boats off the coast of Maine**

**05 Jun 2019**

**4-H news participants**

**06 Jun 2019**

**Baseball draft players**

**06 Jun 2019**

**Emmeline Willey**

**06 Jun 2019**



**Holly Schreiber**

**07 Jun 2019**

**Charlie and Ryan Gardner**

**11 Jun 2019**

**Beate Naglestad and Kenny Doak**

**12 Jun 2019**

**natgeo-everest-story**

**13 Jun 2019**

**DirkCollinsNationalGeographic**

**13 Jun 2019**

**Archaeology field school**

**14 Jun 2019**

**Katherine Allen**

**17 Jun 2019**

**foraminifera shells**

**17 Jun 2019**

**Engineering Education and Design Center**

**17 Jun 2019**

**Greenland**

**18 Jun 2019**

**Small mammal research**

**18 Jun 2019**

**Red tide**

**19 Jun 2019**

**Jenny Adler**

**19 Jun 2019**

**James Oliver**

**20 Jun 2019**

**James Oliver**

**25 Jun 2019**

**Colin Bosma**

**25 Jun 2019**

**Colin Bosma**

**25 Jun 2019**

**Parise Rossignol**

**27 Jun 2019**

**Morse Field**

**02 Jul 2019**

**CCA season preview**

**02 Jul 2019**

**Ana Breit**

**02 Jul 2019**

**Students on the coast**

**08 Jul 2019**

**UMaine nursing student examines a child**

**09 Jul 2019**

**Gayle Zydlewski**

**09 Jul 2019**

**touch my human**

**12 Jul 2019**

**The Painter and her skeleton**

**12 Jul 2019**

**Liam Flynn**

**12 Jul 2019**

**Andrew Vernon**

**15 Jul 2019**

**Fogler Library sign**

**17 Jul 2019**

**Brynn Yarbrough**

**17 Jul 2019**

**Montana Benning**

**18 Jul 2019**

**Melissa Britsch**

**18 Jul 2019**

**Abigail Wiegand**

**18 Jul 2019**

**Digital badge**

**19 Jul 2019**

**Bob Steneck**

**22 Jul 2019**

**James Olivier**

**22 Jul 2019**

**Classroom news feature**

**23 Jul 2019**

**CAMM**

**25 Jul 2019**

**Wind-wave tank**

**26 Jul 2019**

**David Townsend class**

**29 Jul 2019**

**SEA Fellows**

**29 Jul 2019**

**Mackenzie Mazur**

**29 Jul 2019**

**Mourning cloth**

**30 Jul 2019**

**Dor Saar**

**30 Jul 2019**

**Plants**

**31 Jul 2019**

**Women's Ice Hockey All Americans**

**05 Aug 2019**

**Men's Ice Hockey All Americans**

**05 Aug 2019**

**Stevens Hall**

**06 Aug 2019**

**Kevin Fitzpatrick**

**06 Aug 2019**

**Elijah Munro-Ludders**

**06 Aug 2019**

**Harley Rogers**

**06 Aug 2019**

**ENACT students**

**07 Aug 2019**

**Spoiler alert**

**07 Aug 2019**

**Alexyss Limewood**

**07 Aug 2019**

**Megan Driscoll**

**12 Aug 2019**

**Family sitting on the end of a dock**

**12 Aug 2019**

**Rain**

**15 Aug 2019**

**Butterfly app**

**15 Aug 2019**

**Miranda Snyder**

**15 Aug 2019**

**Forest health**

**19 Aug 2019**

**Maine coast**

**21 Aug 2019**

**Maine-eDNA graphic**

**21 Aug 2019**

**Patrick Pittis**

**21 Aug 2019**

**PackGen**

**21 Aug 2019**

**Tyler-Ann Harris**

**21 Aug 2019**



**PackGen**

**22 Aug 2019**

**Autonomous car**

**23 Aug 2019**

**Scallops**

**23 Aug 2019**

**Mountains**

**26 Aug 2019**

**Forest sensors**

**27 Aug 2019**

**Caleigh Charlebois**

**30 Aug 2019**

**Minecraft**

**05 Sep 2019**

**Collins Center for the Arts**

**06 Sep 2019**

**Kimberley Miner**

**09 Sep 2019**

**Mediterranean diet**

**10 Sep 2019**

**Hadley White**

**11 Sep 2019**

**Fishing boats on the Maine coast**

**12 Sep 2019**

**Shellfish**

**12 Sep 2019**

**091219\_AK\_DSC\_8585\_5xH**

**13 Sep 2019**

**Emma Pooler**

**13 Sep 2019**

**Framing Maine news feature**

**17 Sep 2019**

**Lobster boat**

**17 Sep 2019**

**Carl Huntsberger**

**17 Sep 2019**

**Rachel Hobbs and J. Andrew Cormier**

**18 Sep 2019**

**Sea Grant aquaculture news feature**

**19 Sep 2019**

**Aquaculture farm**

**19 Sep 2019**

**Maine State House**

**20 Sep 2019**

**Wind-Wave basin**

**20 Sep 2019**

**One Health news feature**

**23 Sep 2019**

**disaster map**

**26 Sep 2019**

**City skyline with map pins**

**26 Sep 2019**

**Tissue**

**27 Sep 2019**

**Melissa Garand**

**27 Sep 2019**

**Throstur Eysteinsson**

**01 Oct 2019**

**GPU**

**01 Oct 2019**

**INSPIRES**

**01 Oct 2019**

**Medicine and art**

**02 Oct 2019**

**Tuna**

**02 Oct 2019**

**Fellows news feature**

**02 Oct 2019**

**Andrea Steward**

**04 Oct 2019**

**Heatwave**

**07 Oct 2019**

**Touch tank news feature**

**09 Oct 2019**

**NOAA summer interns news feature**

**09 Oct 2019**

**Fish**

**09 Oct 2019**

**Ice core**

**09 Oct 2019**

**3D-printed boat**

**10 Oct 2019**

**3D printer and boat**

**10 Oct 2019**

**Molly Neptune Parker baskets**

**15 Oct 2019**

**Rumors**

**16 Oct 2019**

**Fish and a coral reef**

**16 Oct 2019**

**Advanced Manufacturing Center**

**16 Oct 2019**

**Ice core research**

**16 Oct 2019**

**Virginia Hugo-Vidal**

**16 Oct 2019**

**Rumors**

**17 Oct 2019**

**Black-throated Blue Warbler**

**18 Oct 2019**

**Stephanie Mulligan**

**18 Oct 2019**

**Graph**

**21 Oct 2019**

**2017 Cohen Lecture**

**22 Oct 2019**

**VoltturnUS**

**23 Oct 2019**

**LaFrance siblings**

**24 Oct 2019**

**Lobster**

**24 Oct 2019**

**Podcast logo**

**24 Oct 2019**

**EEDC Machine Tool center**

**25 Oct 2019**

**Caleb Bailey and Benjamin Leary**

**25 Oct 2019**

**Teacher and student looking at a tablet**

**31 Oct 2019**

**Islam Hafez**

**04 Nov 2019**

**Hannah Nadeau**

**04 Nov 2019**

**Mother and baby**

**06 Nov 2019**

**Seaweed research in a lab**

**07 Nov 2019**

**Jarred Haynes**

**08 Nov 2019**

**Bradley Denholm**



**15 Nov 2019**

**Honors news feature**

**20 Nov 2019**

**Jordan Pond**

**20 Nov 2019**

**Rachel Fowler**

**20 Nov 2019**

**DMC partnership**

**20 Nov 2019**

**Basketmakers**

**22 Nov 2019**

**Irja Helper-2**

**22 Nov 2019**

**Basket**

**25 Nov 2019**

**SM\_03\_2**

**26 Nov 2019**

**ice\_bubbles\_2**

**26 Nov 2019**

**Kell Fremouw**

**04 Dec 2019**

**Collins Center for the Arts**

**05 Dec 2019**

**Lord Hall Gallery**

**06 Dec 2019**

**01\_Water Tower\_Glacial Melt\_cr Brittany MummaNational Geographic**

**09 Dec 2019**

**03\_Water Tower\_Indus\_credit Matthew PaleyNational Geographic**

**09 Dec 2019**

**07\_Water Tower\_Rockies\_credit Gordon WiltsieNational Geographic**

**09 Dec 2019**

**10\_Water Tower\_Himalaya\_credit Brittany MummaNational Geographic**

**09 Dec 2019**

**Himalayan glacier news feature**

**09 Dec 2019**

**Italy.AMOA2003197**

**11 Dec 2019**

**Dust storm**

**11 Dec 2019**

**Porter exhibition**

**12 Dec 2019**

**Brian McGill**

**16 Dec 2019**

**Aerial photos on a shelf**

**18 Dec 2019**

**Maddy Jackson and Elizabeth Theriault**

**18 Dec 2019**

**Superheros**

**18 Dec 2019**

**The Simon and Garfunkel Story 4**

**20 Dec 2019**

**harvest-for-hunger-ytd-121319-web**

**20 Dec 2019**

**Natascia La Verde**

**30 Dec 2019**