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UMaine News Press Releases from Word Press XML export 2017

Moxley, Wiemann to showcase opera at John Duffy Institute

03 Jan 2017

University of Maine professors Jennifer Moxley and Beth Wiemann are scheduled to showcase their opera at the John Duffy Institute for New Opera in Norfolk, Virginia in March. During the week of March 12–17, the pair will workshop excerpts from “Until the War is Over,” an opera based on the novel “Bid Me to Live” by American poet H.D. (Hilda Doolittle). The story relates H.D.’s near romance with English novelist D.H. Lawrence. Moxley, an English professor at UMaine, wrote the 25-page libretto; and Wiemann, a professor of music who chairs UMaine’s Music Division, composed the score. The John Duffy Institute for New Opera is a project of the Virginia Arts Festival. It aims to forge an important link in the goal of creating a lasting American opera repertoire. The institute seeks out and supports the work of opera composer/librettist teams by providing mentorship and a professional process for the development of their new work, with the intent to see the works through to full productions. More about the John Duffy Institute for New Opera is [online](#).

Brewer quoted in Christian Science Monitor article on new state laws

03 Jan 2017

Mark Brewer, a political science professor at the University of Maine, was quoted in the [Christian Science Monitor](#) article, “Do new 2017 state laws hint at momentum for federal changes as well?” As of Jan. 1, several new state laws are now in effect, including new regulations involving marijuana, minimum wage and gun control, according to the article. When it comes to gun control, the new laws vary from state to state, with some becoming more restrictive and others allowing gun owners more rights, the article states. National gun control advocates hoping to affect change on a state-by-state basis run the risk of being seen as “meddlesome big-city outsiders” running a campaign in a state that is not their own, Brewer said.

UMaine Center on Aging cited in BDN article on volunteering in 2017

03 Jan 2017

The University of Maine Center on Aging was mentioned in a [Bangor Daily News](#) article on New Year’s resolutions for older adults. According to the article, many groups hope Maine baby boomers and seniors will consider volunteering for a worthy cause in 2017. The UMaine Center on Aging’s Encore Leadership program provides training and support for volunteers and organizations across the state, the BDN reported.

Morse offers advice on how to serve Maine oysters, Press Herald reports

03 Jan 2017

Dana Morse, a researcher with the University of Maine’s Darling Marine Center, Maine Sea Grant and UMaine Cooperative Extension, gave a gentle warning to [Portland Press Herald](#) readers, looking to serve large, succulent Maine oysters at their New Year’s parties. “By and large, the larger the oyster you get, the stronger they’re going to be and a little more difficult to shuck,” Morse told the Press Herald, in a story a few days before the holiday. When it comes to shellfish, the fresher the better, the article states. Morse also advised that oysters be transported from the market on ice or in a cooler with a gel pack. Once home, he recommends keeping them cold and out of standing water.

Mayewski cited in Christian Science Monitor story on Maine’s Arctic shipping potential

03 Jan 2017

[The Christian Science Monitor](#) interviewed Paul Mayewski, director of the University of Maine’s Climate Change Institute, for a story on the increase in Arctic Ocean shipping and the economic opportunities it presents for Maine. Rising temperatures in the Arctic, due to climate change, have led to a steady loss of summer sea ice, making waters more navigable for large cargo ships. Maine, Mayewski told the Monitor, has an opportunity to pursue economic development in an environmentally sensible way, as the state looks to become an arrival and departure destination for ships sailing these increasingly accessible Arctic sea routes. “Maine is not a powerful state, but we are a very environmentally minded state,” Mayewski said. “We have the opportunity to create a positive example.”

WABI interviews Caron about latest book on forming families

03 Jan 2017

[WABI](#) (Channel 5) interviewed Sandra Caron, a University of Maine professor of family relations and human sexuality, about her latest book, “Birds and Bees and More: How Babies are Made and Families Form.” The book aims to help parents and teachers start a conversation about where babies come from, according to the report. “We all live in a culture that is sex-saturated but sex silent,” Caron said. “I wanted to write something that brought everything together and sort of looked at the diversity of ways that babies are made and families form. I’m not sure people are aware, there are nearly 5 million babies that have been born through assisted reproductive technologies, for example. So it’s time we talk about that or include that in our discussion.”

Hamilton among notable Mainers, scientists lost in 2016, media report

03 Jan 2017

University of Maine climate scientist Gordon Hamilton was included in several media reports on notable Mainers who passed away in 2016. The Associated Press, [Portland Press Herald](#) and Maine Public reported on the deaths. The professor in the School of Earth and Climate Sciences and researcher with the

Climate Change Institute died in a field accident Oct. 22 while conducting research in Antarctica for the National Science Foundation. Hamilton, who was 50, spent much of his time in Greenland and Antarctica studying the movement and melting of glaciers and how that contributes to rising sea levels, the AP reported. Hamilton also was included in [National Public Radio](#)'s story, "Reflecting on some of the scientists we lost in 2016." [The Washington Times](#) and WLBY (Channel 2) carried the AP report.

Economics of forest biomass challenging for rural development, study finds

03 Jan 2017

The use of residual forest biomass for rural development faces economic hurdles that make it unlikely to be a job source in the near future, according to an Oregon State University analysis led by a University of Maine researcher. The study, published in *Forest Policy and Economics*, focused on biomass generated during timber-harvesting operations. It was led by Mindy Crandall, a doctoral student at Oregon State and assistant professor of forest landscape management and economics at UMaine. In a model of the forest industry, researchers in Oregon State's College of Forestry combined an evaluation of costs for collecting, transporting and processing biomass with the potential locations of regional processing facilities in western Oregon. Each location was chosen because it is adjacent to an existing or recently closed wood product operation, according to an Oregon State [news release](#). Biomass consists of branches and treetops that are left in the woods or burned. In some accessible locations, the debris is ground up to make a product known as hog fuel, the release states. "There's a lot of interest in focusing on the use of biomass to meet multiple objectives, one of which is support for rural communities," Crandall says. "We thought this might provide some support for that idea. But from a strictly market feasibility perspective, it isn't all that likely that these facilities will be located in remote, struggling rural communities without targeted subsidies or support." The researchers say the future feasibility of reducing costs by increasing the efficiency of biomass operations may depend on public investments and the creation of new markets. While the study considered the possibility of generating biomass from restoration or thinning operations on federal forestlands, it concluded the additional supply does little to change the economic feasibility of processing facilities, according to Oregon State. The full Oregon State University release is [online](#).

Call for proposals to support cultural events at UMaine

04 Jan 2017

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 next application deadline is Jan. 30. 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 is [online](#).

Blackstone writes BDN op-ed on proposed revitalization of downtown Bangor

04 Jan 2017

The [Bangor Daily News](#) published the opinion piece "Let's agree on the problem before turning part of downtown Bangor into a parking lot," by downtown Bangor residents Amy and Lance Blackstone. Amy Blackstone is a sociology professor at the University of Maine. She also 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.

LA Times quotes Socolow in article on popular Fox News anchor's departure

04 Jan 2017

Michael Socolow, a professor of communication and journalism at the University of Maine, was quoted in a [Los Angeles Times](#) article about popular cable news anchor Megyn Kelly leaving Fox News after 12 years to join NBC. Kelly clashed with president-elect Donald Trump during his campaign, according to the article. While mixing opinion and conservative commentary is part of the Fox News brand, it's not often seen as a mainstream network news organization, the article states. NBC is banking that Kelly can appeal to a wider audience than the Fox viewers who see the broadcast networks as being too liberal, the LA Times reported. "Megyn Kelly might be an outstanding journalist — I'm not claiming otherwise — but she's a Fox News anchor, and that's her primary identity to America's network viewing audience," Socolow said.

UMaine Extension to celebrate farming at Maine Agricultural Trades Show, through publications

05 Jan 2017

This month, the University of Maine Cooperative Extension will celebrate farming in the state at the annual [State of Maine Agricultural Trades Show](#). Residents are encouraged to visit the UMaine Extension booth during the show, Jan. 10–12 at the Augusta Civic Center. UMaine Extension offers a variety of farming resources, including several publications:

- [Maine Family Farms: Life and Business in Balance Series](#)

This series recognizes that the needs of farmers at each life stage are unique, as choices about farming practices, child rearing, business growth, and succession planning enter into decision-making. The series consists of five fact sheets.

- [So You Want to Farm in Maine?](#)

Have you ever thought about moving to a farm and wondered whether it's the right life for you and your family? Answering the questions in this four-page bulletin related to the realities of farming in Maine will help you decide.

- [Maine Farm Safety Program](#)

Farm accidents can cause serious injury or death, and present tremendous financial challenges to small-scale farmers. Many accidents can be prevented through education. This series of 66 fact sheets forms a comprehensive farm safety library. Visit the Cooperative Extension online [Publications Catalog](#) for more farming and gardening information, including new bulletins:

- [Growing Elderberries: A Production Manual and Enterprise Viability Guide For Vermont and The Northeast](#)
- [An Introduction to Using Site-Specific Farming to Manage Field Variability](#)
- [Farmer Skill & Knowledge Checklist: Swine Production](#)

Other seasonal publications include:

- [Starting & Running Your Own Small Farm Business](#)
- [Birdhouse Basics](#)
- [Bird Feeding Basics](#)
- [Energy Saver\\$: Tips on Saving Energy & Money at Home](#)
- [Maine Home Energy Series](#)
- [Staying Warm in an Unheated House](#)

Somerset County Commissioners discuss UMaine Extension, Morning Sentinel reports

05 Jan 2017

The [Morning Sentinel](#) reported the University of Maine Cooperative Extension was mentioned during a Somerset County Commissioners meeting in Skowhegan. Board member Robert Sezak said that with the boom in the agricultural movement in Somerset County, he would like to “elevate the profile” of the UMaine Extension Service in the county, according to the article. “Seeing that where we are becoming more and more of an agricultural-based county, especially with Kennebec Valley Community College and the charter schools, to see all that tie in and work,” he said. “It’s a wonderful opportunity for students, faculty and the Extension service, as well.

MacDougall cited in BDN article about proposed Bangor Celtic festival, music series

05 Jan 2017

The [Bangor Daily News](#) reported a committee has been formed to plan the proposed Bangor Celtic Crossroads Festival for a September 2018 launch, and a Celtic music series is set to begin this month to help raise funds and awareness for the festival. Pauleena MacDougall, director of the Maine Folklife Center at the University of Maine and chair of the 10-member committee, announced the Celtic Music Series will kick off Monday, Jan. 16 with a performance from Canadian duo Richard Wood and Gordon Belsher at 58 Main in downtown Bangor, according to the article.

UMaine Holstein ranks among cream of the crop

06 Jan 2017

The Holstein Association USA announced this month that a member of the J.F. Witter Teaching and Research Center’s dairy herd ranks among the top 10,000 registered Holsteins in the country for Total Performance Index (CTPI). With more than 22 million registered Holsteins in the United States, the distinction places UM Robust Rosmerta in the top .05 percent of her breed. CTPI accounts for a dairy cow’s milk production, reproductive health and her overall conformation, or build. The 3-year-old Holstein is the second cow in the center’s 44-year history to earn this distinction. The previous title holder was Rosmerta’s dam, or mother, UM Planet Rou in 2013. Rosmerta’s lineage includes other notable members of the Holstein breed including Robust, her sire; Planet, her maternal grandsire; and Crown, her maternal great grandsire. Rosmerta’s daughter, UM Crank It Rosetta, also resides at Witter Farm and made her public debut at the Bangor State Fair in July.

Hutton gives Growing Produce tips for reducing soil compaction on farms

06 Jan 2017

Mark Hutton, a vegetable specialist with the University of Maine Cooperative Extension and professor in the UMaine School of Food and Agriculture, told [Growing Produce](#) there are several methods farmers can use to protect their crops from the harmful effects of soil compaction. Methods include minimizing vehicle and foot traffic in the field, alternatives to conventional tillage or no-till planting. Before farmers move in these directions though, Hutton suggests they determine if the practices will work with the cover and cash crops they plant. “It’s a different way to look at how you’re farming,” Hutton said. “One of the best things to do is to talk to other growers who are doing reduced tillage. Find out their reasons for doing it, see how it fits into their system, and think about how you can make those changes in your own operation. I don’t think these methods are harder or easier than anything else — they’re just different.”

Crandall says paper industry still vital part of state’s economy, Maine Public reports

06 Jan 2017

Maine Public reported the death of Maine’s pulp and paper industry is highly exaggerated, according to a preliminary report by Mindy Crandall, an assistant professor of Forest Management and Economics at the University of Maine. Crandall told those attending a Forest Resources Association meeting in Brewer that despite the closing of eight major biomass power generators and paper companies, forest products are still a vital component of Maine’s overall economy, according to the report. “We tend to hear a lot of the bad press about the forest products industry and we sort of don’t take into account the real historical view,” Crandall said. “The fact is we’re in about the same historical position in terms of its economic impact and value as we were in 2011. So yeah, some mills have closed and some of those were big important mills, but the mills that are still remaining tend to employ a lot more people and have a lot more

output than the ones that have closed.” Crandall said her preliminary findings suggest that despite the loss of 1,800 jobs in the papermaking and biomass energy sectors, the forest products industry will have a 2016 sales output of \$8.5 billion, compared to \$9.8 billion in 2014, Maine Public reported.

Student’s honors thesis looks at communication between Bangor officials, residents

06 Jan 2017

Effective communication with residents is crucial for many municipal governments, including the city of Bangor. Yet with many new tools such as social media and web-based communications, as well as more traditional methods, it can often be difficult to know what is working. This year, University of Maine Honors College student Jaymi Thibault worked with the city to study its ongoing outreach efforts and assess how residents access information from the government. Thibault, a political science major from Lisbon, found Bangor is successfully reaching its population through a mix of communication platforms. The study also suggests the city’s “GoBangor” cellphone app was popular among those who used it, but could benefit from greater promotion among residents. The research was the focus of Thibault’s honors thesis. Rob Glover, a professor in the Honors College and Political Science Department, served as her adviser. The project was proposed in September 2015 by then-City Councilor Josh Plourde. Throughout the project, Thibault worked with City Manager Cathy Conlow and Meghan Collins, the city’s public information coordinator, who served on Thibault’s honors thesis committee. With their guidance, Thibault developed a survey that was taken by more than 500 Bangor residents. She also conducted focus groups with two demographics the city was concerned it might not be reaching: residents over the age of 60 and renters. Thibault will present her findings to the Bangor City Council at 5:15 p.m. Jan. 9 at Bangor City Hall. The meeting is open to the public. Thibault’s research was supported by funds from the UMaine Honors College, Margaret Chase Smith Policy Center, and the College of Liberal Arts and Sciences. Thibault is one of UMaine’s inaugural [John M. Nickerson Scholars](#). The merit-based scholarship is awarded to juniors and seniors majoring in political science who are Maine residents, have demonstrated scholarship of the highest order, and have the greatest potential to serve the public. Contact: Elyse Catalina, 207.581.3747

Gabriela Constantin: International transfer student headed into engineering co-op experience

06 Jan 2017

For Gabriela Constantin, a second-year student from Romania, one of the best things about her chemical engineering major is the opportunity to gain work experience as part of her studies. Every October, companies recruit students through the College of Engineering’s Co-op Program. Constantin got an offer to spend the fall 2017 and summer 2018 working for Neenah Paper at its mill in Brattleboro, Vermont. “It is such a great advantage to be able to interview with engineering companies from all around the U.S. right here at the university,” says Constantin. “The academic environment at UMaine promotes a devotion to lifelong learning and allows students to develop both practical and critical thinking skills.” Growing up in Buzau, a midsize city in southeastern Romania, Constantin learned to speak English by watching Cartoon Network on satellite TV. As she decided where to attend college, Constantin wanted to study abroad, but was concerned about ongoing discrimination in Europe. The U.S. seemed like her best option. “I really love foreign languages, so I thought studying English would be a very satisfying experience,” says Constantin. “Also, the educational system here (in America) is a lot better than back home. And I picked Maine because I’m used to smaller communities. I didn’t want to live in a big city right away.” Constantin settled first in South Portland, where she began her studies at Southern Maine Community College. Then she decided to pursue engineering and began looking to transfer to a four-year college. Since arriving in Orono, Constantin has thrived. She’s a Dean’s List student, who’s been awarded both a UMaine Global Partners Scholarship and an Alton S. and Adelaide B. Hamm Scholarship. As a member of the International Student Association, Constantin now helps new students from abroad adjust to life at UMaine. Constantin says her coursework doesn’t leave much time for other extracurricular activities, though she does enjoy playing the piano in Class of 1944 Hall and catching UMaine hockey games. In her academic life, Constantin says John Hwalek, an associate professor in the Department of Chemical and Biological Engineering, has been a key mentor. “He is always generous with his time, has helped me make the best decisions for my academic career. His expertise in the engineering field provides a constant incentive for students to do their best,” she says. When she graduates in 2019, Constantin plans to apply for Optional Practical Training, a federal program that allows foreign students to stay in the U.S. and work for a year on a student visa. Contact: Jay Field, 207.581.3721; 207.338.8068

Annual Maine Potato Conference, trade show Jan. 18–19

09 Jan 2017

Registration is open for University of Maine Cooperative Extension’s 32nd annual Maine Potato Conference and trade show, Jan. 18–19, at Caribou Inn and Convention Center in Caribou. The conference is designed for potato producers, farm workers and crop advisers. Scheduled speakers include UMaine Extension crop and soil specialists, UMaine and UMaine Presque Isle researchers, Maine Board of Pesticides Control and Maine Potato Board staff, and McCain Foods agronomists. Topics include soil health and combating drought, storage practices, technology in agriculture and certified seed results. Participants will receive 2.0 pesticide recertification credits and 3.5 Certified Crop Adviser credits. Cost is \$20 for one day, \$25 for two. Registration is [online](#). For more information or to request a disability accommodation, contact Pam Hickey at 764.3361 or pam.hickey@maine.edu.

Nominations sought for 2017 Barbara Hikel Retiree Award

09 Jan 2017

The President’s Council for University of Maine Retirees is soliciting nominations for the 2017 Barbara Hikel Retiree Award. The annual award is given to a UMaine retiree who provides extraordinary voluntary service to the university. The honor was established in 2006 in memory and recognition of Barbara Hikel, a longtime employee who continued to serve the university in an exemplary manner after her retirement in 2000. Award criteria and nomination form are online; deadline for submission is Feb. 28. Nominations can be mailed to Barbara Hikel Award Committee, c/o the University of Maine Foundation, Two Alumni Place, Orono, ME 04469-5792; or emailed to genco@maine.edu. The award will be presented at the 2017 President’s Council of Retired Employees Homecoming. More information about the retirees council and the award is [online](#).

Ellsworth American reports on rain garden project funded by Maine EPSCoR

09 Jan 2017

The Ellsworth American reported three Husson University students were awarded a \$1,500 grant to study stormwater runoff. The students will use the award to design a rain garden on Husson's Bangor campus, according to the article. Rain gardens are designed to absorb rainwater from impervious surfaces, such as roads and driveways, before the water flows off campus. This prevents the stormwater from picking up pollutants and depositing them downstream into nearby lakes and rivers, the article states. The grant is part of Maine Student Water Challenge, a new initiative created through a partnership between the Maine Experimental Program Stimulating Competitive Research (EPSCoR) at the University of Maine and Maine Campus Compact. The Bangor Daily News also carried a news release about the project.

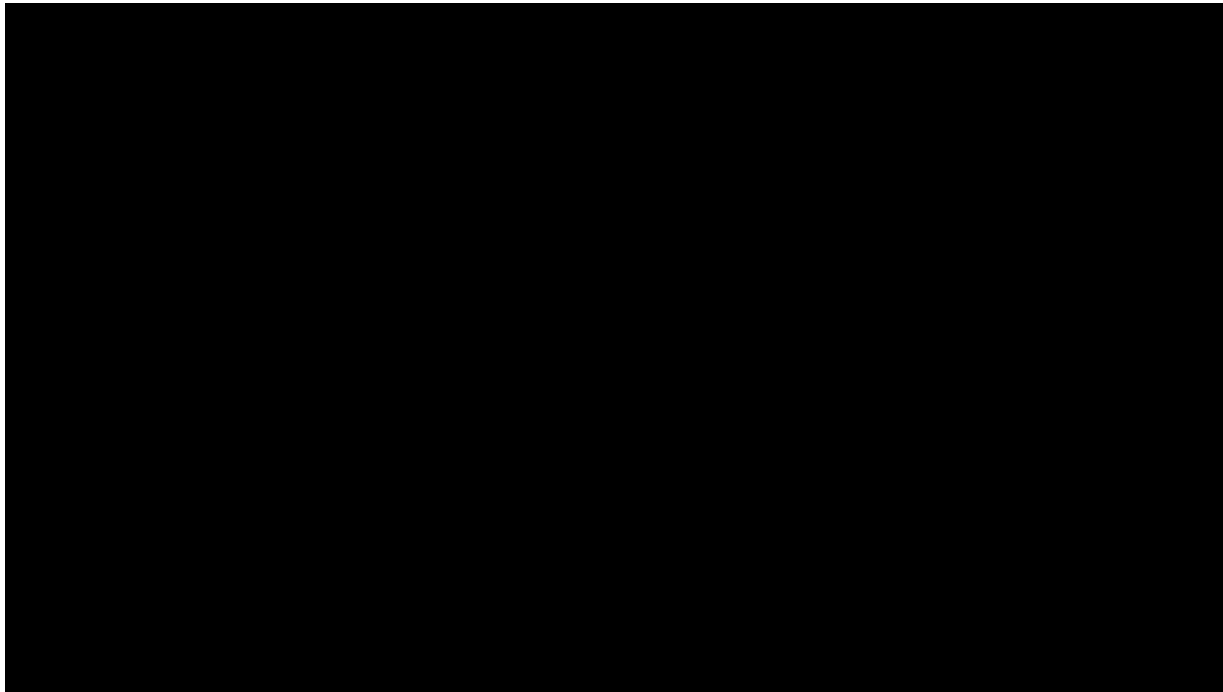
Grammy Award-winning guitarist to lead ensemble at CCA

09 Jan 2017

Twenty-time Grammy Award-winner Pat Metheny will lead an accomplished international ensemble Sunday, Jan. 15 at the Collins Center for the Arts at the University of Maine. At 15, the guitar player began working with professional jazz musicians and at 19, he became the youngest-ever teacher at the Berklee College of Music. At 7 p.m. Jan 15, the musical pioneer will showcase his versatility and trademark style on stage with Antonio Sánchez, Linda Oh and Gwilym Simcock. Mexican-born drummer Sánchez reconfigured the Hollywood soundtrack landscape with his percussion-driven score for 2015 Academy Award-winning film "Birdman." When Oh isn't leading her own band, the Malaysian-born, Australian-reared bassist also works with other heavyweights, including Joe Lovano and Dave Douglas. And British pianist Simcock is one of Europe's most acclaimed and influential musicians, equally in demand in jazz and classical settings as a player and composer. "I have already written a bunch of new music inspired just by the thought of this presentation, but I could also imagine playing only old music one night, or even playing entire albums," Metheny says of the 2017 concert dates. "I like the idea of keeping it open and letting it become whatever it winds up being over the course of a tour." Tickets for "An Evening with Pat Metheny" with Antonio Sánchez, Linda Oh and Gwilym Simcock are \$40-\$58 and can be purchased at collinscenterforthearts.com. For more information, to purchase tickets, or to request a disability accommodation, call 207.581.1755.

Maine is our campus

10 Jan 2017



[Read transcript](#) The innovative

Maine Track Program, a partnership between Maine Medical Center and the Tufts University School of Medicine, is building a pipeline of physicians with skills in rural Maine medicine. Learn about the program and hear from University of Maine graduates India Stewart and Kim Dao about their experiences in medical school and in community hospitals.

Transcript

Dr. Jo Linder: The Maine Track is a track, part of the Tufts University School of Medicine, that uses Maine as our campus. **Kim Dao:** We spend two years in Boston, in the classroom setting, and then we spend two years doing our clinical rotations in Maine. **Dr. Jo Linder:** From Fort Kent to Kittery, from Eastport to Norway. They cover the entire state. **Patti White:** The Maine Track Early Assurance Program is an opportunity for students at the end of their sophomore year — or actually they would start thinking about it at the beginning of their sophomore year — to make a little bit more of a formal commitment about their desire to pursue a career in medicine. **India Stewart:** Knowing that I was going to medical school after I graduated really allowed me to focus more on extracurriculars and career exploration within the realm of medicine. **Kim Dao:** One of the biggest things with my experience at UMaine was actually I wasn't a student here yet. I was a volunteer for the Special Olympics, and that was my first time on campus, and that was actually one of the defining moments that I realized I wanted to go into medicine. **India Stewart:** I was able to shadow a neonatologist at Eastern Maine Medical Center when I was a freshman in college, and one day I'm sitting in his office and I am called into a delivery that required a neonatologist to be there. I go into the room and I'm standing there, and I'm seeing this baby be brought into this world, and all of a sudden, I feel this huge smile go across my face. I felt extremely comfortable, and it was almost like that's where I was supposed to be. That's what it's been like ever since. **Kim Dao:** They're in rural community hospitals, and the beauty with that is there's no hierarchy. You're really engaged with the doctors and other health care workers there. There's no other fourth-year

student or resident that you're competing with to be engaged in someone's health care. They really try to get you involved and get direct experience. Some of the experience I feel that I get as a third-year student, a lot of other medical students haven't experienced until their internship or residency. **India Stewart:** There is a need here for physicians. There is an older population of physicians that are cycling out, and there's definitely going to be a need for every field of medicine, so that's one reason why I feel really strongly about staying. **Kim Dao:** Being in a suburban or rural community is where I feel like I most fit in, and I think those are the areas that need a lot of help, especially in Maine where we're in need of every specialty, but primary care especially really has a deficit in professionals, and I think that I would be most useful there. **Patti White:** The Maine Track Program is very innovative. I think it is cutting edge, so exciting. **Kim Dao:** It's awesome. [laughs] It is definitely the hardest thing I've ever done, and I was just telling some people that some days, I just want to lay in bed and cry. It just is so hard, but at the same time you have these amazing experiences being with people, whether them losing a loved one or them welcoming a new member of the family into their lives. It's really amazing to experience those events back-to-back, and that's the beauty of the LIC. **Dr. Jo Linder:** It's a way for students to get a Tufts University medical education, but have the innovation and the real dedication of physicians and health professionals in the state of Maine to teach them. **India Stewart:** It has opened my eyes to the possibilities of what my career has for me, but also I've learned the knowledge and created this foundation for what I'll need in order to exceed and get my goals in the future. **Patti White:** This is really great stuff. We're producing very high quality doctors, who are matching to very high quality residency programs, which is at this stage the proof in the pudding. [Back to post](#)

Middle schoolers invited to explore aquaculture during UMaine 4-H Science Saturday

10 Jan 2017

Middle school students are invited to explore aquaculture and marine science research during the University of Maine Cooperative Extension 4-H Science Saturday, Jan. 21. From 10 a.m.–1 p.m. in 101 Libby Hall, youth in grades six through eight will play games and perform experiments similar to those conducted in UMaine research labs. Topics covered will include DNA, the creation of waves and the business of aquaculture. The \$10 fee includes lunch. Registration should be completed [online](#) by Jan. 13. The maximum number of participants is 15; minimum is six. For more information or to request a disability accommodation, contact Jessica Brainerd at 581.3877 or jessica.brainerd@maine.edu.

Nominations sought for 2017 presidential awards

10 Jan 2017

Nominations are currently being accepted for the University of Maine's 2017 Presidential Outstanding Teaching Award, Presidential Public Service Achievement Award, and Presidential Research and Creative Achievement Award. Nomination forms and guidelines are available [online](#) or by contacting Amber Thompson in the President's Office at 581.1516 or amber.thompson1@maine.edu. The deadline for nominations is 4:30 p.m. Friday, Feb. 10.

Fond du Lac Reporter cites UMaine Extension as resource for growing cranberries

10 Jan 2017

[Fond du Lac Reporter](#) of Wisconsin mentioned the University of Maine Cooperative Extension in the report, "Cranberries: Considerable for the home garden." Although cranberries naturally grow in acid bogs or marshlands, they can be grown in the home garden as either an ornamental plant or an edible ground cover, according to the article. A separate bed may be required as cranberries require sandy, acidic soil, the article states. Fond du Lac Reporter linked to UMaine Extension's [website](#) for having information on successfully growing cranberries in the home garden.

WABI covers honors student's research presentation to Bangor City Council

10 Jan 2017

WABI (Channel 5) reported on a presentation made to the Bangor City Council by University of Maine Honors College student Jaymi Thibault. For her honors thesis, Thibault studied the city's ongoing outreach efforts and assess how residents access information from the government. Working with the city, the political science major from Lisbon developed a survey that was taken by more than 500 Bangor residents. She also conducted focus groups with two demographics the city was concerned it might not be reaching: residents over the age of 60 and renters. Thibault said she found Bangor is successfully reaching its population through a mix of communication platforms. The study also suggests the city's "GoBangor" cellphone app, which has been downloaded by more than 1,000 people, was popular among those who used it, but could benefit from greater promotion among residents, WABI reported. "I think my main takeaway from this would be that the city is doing a great job, but it definitely wouldn't hurt to promote the email alert system and the GoBangor app because a lot of people didn't know about those things," Thibault said.

Han Nguyen: Using chemistry to fight aquaculture's enemies

12 Jan 2017

University of Maine senior Han Nguyen found her passion in an Introduction to Chemistry course her first year on campus. The Vietnam native enjoyed the intellectual challenges the course presented and especially liked the related laboratory work. And Nguyen came to appreciate chemistry's role in daily life — from the clothes we wear to the food we eat. "From just basic elements, we can create so many different compounds that have countless uses in pharmaceuticals, industry and household applications. It's a boundless field and I love that chemists are creating new compounds every day," says Nguyen. Nguyen plans to pursue graduate work in chemistry and is interested in studying drug delivery systems with an eye toward a career researching and developing new generations of anticancer medications. Nguyen has developed her love of research and development in the lab of UMaine Assistant Professor of Chemistry William Gramlich, her undergraduate thesis adviser. Nguyen is part of a team working to solve issues related to biofouling in aquaculture, one of Maine's fastest growing industries. Biofouling is what happens when barnacles, plants, algae and microorganisms attach to critical infrastructure — ropes, aquaculture nets and the hulls of marine vessels. The phenomenon increases fuel and cleaning costs for the industry, and some of the chemicals historically used to reduce biofouling can have toxic effects on marine life. In their research, funded by Maine EPSCoR's Sustainable Ecological Aquaculture Network (SEANET), Gramlich, Nguyen and other student chemists are exploring ecological ways of combating biofouling. The team is mixing ecologically friendly compounds to form a coating for aquaculture ropes that acts like soap or detergent to prevent organism adhesion. Researchers are also using natural materials to create a separate gel to coat the surface of ships. The chemical properties of the gel allow it to degrade slowly, over time, as it works to dislodge harmful

organisms. The student researchers will test the rope coatings and gel in Gramlich's lab using algal cultures and to determine the effectiveness in preventing fouling. The hope is that organisms that come into contact with the gel dislodge from the surfaces. Researchers also hope to learn how fast organisms need to come off to avoid biofouling. The rope coatings will be tested in the lab to determine how effective they are in preventing organisms from attaching to surfaces. Contact: Jay Field, 207.581.3721; 207.338.8068

Tammy Ranger: 2017 Maine Teacher of the Year reflects on earning master's degree from UMaine

11 Jan 2017



When she was looking for graduate programs in literacy education, Tammy Ranger knew the University of Maine had a reputation for having an outstanding program. Nearly 10 years after earning her Master of Education degree from UMaine, Ranger is the 2017 Maine Teacher of the Year, and she credits her time at the university for no small part of her success. “When I started my master’s program, one of my professional goals was to work primarily with students requiring extra support in areas of literacy,” Ranger says. “The literacy specialist program at UMaine was instrumental in helping me achieve this goal, and I’m now working full-time as a reading interventionist.” Ranger teaches at Skowhegan Area Middle School, a rural, high-poverty school of about 550 students. When Educate Maine named her Teacher of the Year last October, the school held a surprise assembly in her honor. Among the attendees were her husband and three adult children, along with her mother, mother-in-law, best friend, and members of the media. Ranger admits she’s still getting used to the idea of being in such a prominent role, but says she’s honored and humbled by the recognition. “When I keep my focus on the work of advocating for students, teachers, and elevating the teaching profession, I feel much more mission-focused and less concerned about being in front of a camera,” she says. An avid reader, Ranger says she’s always wanted to help students who struggle with literacy improve their reading and writing skills. She mentions several current and former members of the literacy faculty at UMaine as mentors, including Jan Kristo, Rich Kent and Jane Wellman-Little. “Along with teaching engaging classes that asked me to apply what I was learning with my current students and to think deeply about the educational decisions I was making, each of them challenged me to take my teaching career to the next level,” Ranger says. After earning her M.Ed. in 2007, Ranger taught preservice teachers for two years as adjunct instructor at UMaine. She says learned a lot about her own teaching practice from the experience. “I often brought examples of what I was currently teaching in my middle school classroom to share,” she says. “I wanted to be able to share my reasoning in selecting a particular lesson, how I designed it, and how it not only met certain learning standards, but also addressed the different learning styles of my individual students.” As Teacher of the Year, Ranger will have a platform from which to promote and advance education-related issues. Two areas she’d like to focus on are the ways in which poverty impacts students’ learning and the importance of early childhood education. Three months into her tenure, she excited and invigorated by what lies ahead. “I have loved meeting so many people — Maine teachers, business owners, members of higher education and nonprofit organizations, all interested in supporting and improving education for Maine students,” Ranger says. “This is just the beginning of viewing teaching and learning through a wider lens and seeing what it means to be a part of the larger educational landscape.” **Tell us about being named Maine Teacher of the Year. What was the experience like?** This year the “announcement” was handled a little differently because of a major change in the National Teacher of the Year application. For 2017 State Teachers of the Year, there was an additional application to be submitted and it was due on Nov. 1. So time was of the essence. Because of this, on Oct. 3, there was a “soft” surprise announcement with a few members of my administration, colleagues, Educate Maine, Teachers of the Year, the Maine State Board of Education, and the Maine DOE, and my husband. This would give me time to work on the National application before the news became public. The official announcement was a total surprise to my students and colleagues, and still a surprise to me because they didn’t tell me when it would take place. That happened on the morning of Oct. 13, when there was a huge school-wide assembly. It was overwhelming (in a good way) to walk into the gymnasium and have everyone gathered for this celebration — including the folks who attended the “soft” announcement the previous week, as well as all of the students and staff from my school. I teared up when I saw my family — including my husband, my three adult children who traveled from southern Maine and Brooklyn, New York, my mother, my mother-in-law, and my best friend sitting in the front rows. And then there were the TV cameras — something I was definitely not accustomed to. **What has your life been like since then?** Life has been busy and much more public. I’ve been interviewed on radio and television to talk about what life is like in today’s classrooms and to discuss educational topics folks are curious about. I’ve attended the Maine Teacher of the Year Gala in November and an Education Symposium in December. I have loved meeting so many people — Maine teachers, business owners, members of higher education and nonprofit organizations, all interested in supporting and improving education for Maine students. This is just the beginning of viewing teaching and learning through a wider lens and seeing what it means to be a part of the larger educational landscape. **What kinds of things are you looking forward to doing as Maine Teacher of the Year? Do you plan to use the position to advocate for anything in particular?** I am looking forward to meeting and learning from other educators in Maine and throughout the country. In February I will meet the other state Teachers of the Year at an Induction Program and I’m excited about a time designated for “Lightning Lessons,” where we will share our best teaching practices with one another. I’m also looking forward to learning more about education policy and advocacy so I can be a strong voice for Maine teachers in communicating the complex realities of the classroom to affect positive change for our students. Two areas in particular I would like to focus on are addressing how poverty impacts students’ learning as well as how we can help overcome those barriers, and the importance of early childhood education. **Tell us about the school where you work. What do you enjoy about working there?** I teach at Skowhegan Area Middle School (SAMS). I love working at SAMS for several reasons, but will focus on two here. One is the staff — everyone, teachers, educational technicians, administrators, administrative assistants, custodians, food service personnel and counselors work together to make sure our students’ academic and social-emotional needs

are met. Two, it has always been important to me to work where teachers' voices are valued and that is the case with SAMS. In our school we have several structures in place to ensure teachers are part of the school's decision-making process: Community Team Leaders, Curriculum Team Leaders, and our Professional Learning Community (PLC) are three platforms for teacher input on what will happen at our school in terms of curriculum, professional development, scheduling, and a variety of other topics. **It sounds like you have an active life outside of the classroom (yoga instructor, soup and sandwich volunteer). Can you talk about whether your volunteer work makes you a better teacher?** I enjoy my work outside of school — be it teaching yoga, volunteering at the evening Soup/Sandwich program, or working on projects as a trustee for the Waterville Public Library. I do think this work makes me a better teacher as it connects me to my school and home communities and opens up ways to connect my students with their community. One example is with our local nursing home. As a yoga teacher there, I speak regularly with the activity director. One day she and I were talking about bringing my students and her residents together and we ended up planning a "Readers Theater" event, which is now in its second year. It benefits my students as they are struggling readers and need work with fluency. Performing for the residents provides them a very safe and authentic audience. Their reading skills increase, and they also gain confidence that carries over to other areas of their lives. This event also benefits the residents cognitively and emotionally. They not only enjoy the performance, but also the "post-performance" conversations with my students. **You've also been an adjunct instructor at UMaine. What do you enjoy about being a college instructor?** I was an adjunct teacher for two years at UMaine, 2007–09. I loved the enthusiasm and energy of the preservice teachers. As an adjunct instructor, I often brought examples of what I was currently teaching in my middle school classroom to share. This prompted greater reflection about my own teaching practice as I wanted to be able to share my reasoning in selecting a particular lesson, how I designed it, and how it not only met certain learning standards, but also addressed the different learning styles of my individual students — all information important to aspiring educators. **Why UMaine?** I chose UMaine as a student because I was interested in pursuing a master's degree in literacy education and knew that UMaine's program had an outstanding reputation on a state and national level. **How would you describe the academic atmosphere at UMaine?** I would describe the academic atmosphere as student-centered and one with rigorous, yet attainable, standards. **Did you work closely with a mentor, professor or role model who made your UMaine experience better? If so, who and how?** I worked closely with Jan Kristo and Rich Kent, both of whom made my UMaine experience better. Along with teaching engaging classes that asked me to apply what I was learning with my current students and to think deeply about the educational decisions I was making, each of them challenged me to take my teaching career to the next level. Jan asked me to serve as an adjunct instructor at UMaine, and Rich asked me to present a literacy session for the National Writing Project at the NCTE (National Council of Teachers of English) Conference in New York City. **Describe UMaine in one word.** Excellence. **What is your most memorable UMaine moment?** My graduation. I was the first person in my family to go to college, and as a nontraditional student with three children to support, earning my bachelor's degree (University of Maine at Farmington) was quite an accomplishment. I never imagined I would go on to earn an advanced degree. I still get chills when I recall the "Pomp and Circumstance" music and see the pride in my parent's faces. It was like I was earning this for all of us and I could not have done it without the unwavering support of my family and my professors at UMaine. **How did UMaine help you reach your professional goals?** I am an avid reader and have always wanted to help students who struggle with reading and other aspects of literacy to not only increase their capacities in these areas, but to develop a love of reading and writing and to see how these disciplines help them gain a richer understanding of themselves and the world around them. When I started my master's program, one of my professional goals was to work primarily with students requiring extra support in areas of literacy. The Literacy Specialist program at UMaine was instrumental in helping me achieve this goal as I'm now working full time as a reading interventionist. The majority of my reading intervention students come from low socioeconomic status homes. In Jan Kristo's ERL 601: Seminar in Reading, one of the assignments was a research project on a topic in literacy. I researched and wrote a paper titled, "How Can We Increase Literacy Achievement in Children of Low Socioeconomic Status?" The information I read and wrote about for that research paper still informs my instruction today, and helps my students make notable gains in their reading achievement. **What was the most interesting, engaging, or helpful class you took at UMaine?** The Maine Writing Project (MWP) with Rich Kent. This was my first experience of extended embedded professional development — based on a model of teachers teaching teachers. A key component of the MWP was the Summer Institute, an intense time of reading, writing, looking at current research, and developing a professional presentation on an approach to teaching writing that we presented to the other fellows in the institute. This gave me the experience and confidence to begin presenting more frequently at local, state and national conferences. It also required me to reflect deeply on my own teaching practices — something that was incredibly helpful with my daily classroom instruction, and also benefitted me when I later went through National Board Certification. It has been 14 years since my Maine Writing Project summer and the Maine Writing Project is still helping me improve my teaching by keeping current with educational trends and effective literacy instruction. I've attended MWP writing workshops, including one on memoir writing (2013) by Maine author Monica Wood, in which I learned writing techniques specific to this genre that I use with my students, and last year, I participated in the MWP's online book study, "In the Best Interest of Students: Staying True to What Works in the ELA Classroom" by Kelly Gallagher. Last month I attended the MWP fall conference and learned about some new digital tools to help me provide more streamlined feedback to my writers. The Maine Writing Project remains one of the most impactful classes of my master's program and I highly recommend it to any Maine teacher who wants meaningful, personalized professional development and an ongoing connection to like-minded, forward thinking educators. **Did you gain any hands-on or real world experience through your coursework? If so, tell us about it.** Yes, as part of my literacy program, I took ERL 569: Literacy Clinic with Jane Wellman-Little. In this class I worked as a tutor in the University of Maine's Summer Reading and Writing Program — a literacy clinic where the focus was on providing tutoring to students ranging in grades K–12. During the clinic I worked with two students: one in first grade and one in high school. With Jane's support and expertise, I performed diagnostic assessments and then, based on the results, implemented research-based interventions to increase their reading and writing achievement. As part of a cohort, I benefitted from observing and being observed by my peers, and the post observation debriefing. All aspects of this "real-world" experience, including assessment, interventions, communicating with parents, and peer observations/conversations are components I incorporated in my school's summer learning program, and use in my reading intervention classroom throughout the school year. Contact: Casey Kelly, 207.581.3751

UMaine photographer wins second place regional award

11 Jan 2017

Adam Kuykendall's photographs have been selected for a Silver Award by the Council for the Advancement and Support of Education (CASE) District I, which represents the New England states, Quebec and the Atlantic provinces in Canada. The University of Maine photographer/videographer's recognition in the Excellence in Photography category was one of two 2017 CASE District I Excellence Awards for UMaine's Division of Marketing and Communications. The Fall/Winter 2015 and Spring/Summer 2016 print editions of UMaine Today magazine received a Bronze Award in the category for magazines under 50,000 circulation. Kuykendall joined the division in 2012 and is a graduate student in UMaine's Intermedia MFA Program. The series of images by Kuykendall documenting teaching, research and student life at the University of Maine are below. [SlideDeck2 id=53017] A list of all winners of CASE District I Excellence Awards is online. Contact: Margaret Nagle, 207.581.3745

Proposals sought for funds supporting faculty conference travel

11 Jan 2017

Proposals are being accepted for the Bangor Savings Bank and Lyndon Paul LoRusso Memorial faculty development funds supporting conference travel. Ten awards will be made biannually (in spring and fall) to faculty members to support faculty development — specifically conference travel. Seven awards of up to \$1,500 each will support domestic travel, and three awards of up to \$2,000 each will support international travel. Full-time, tenure-track and full-time, nontenure-track faculty are eligible to apply. Faculty may apply individually or in groups. Proposals for the spring 2017 funding cycle must be submitted to Dianne Avery at dianna@maine.edu by 4 p.m. Friday, Feb. 17. Contact Avery at 581.1595 for application details, as well as questions about budgeting and reimbursement. A five-member faculty committee will review applications and notify awardees within two weeks of the submission deadline. For more information about the application process or the review committee's timetable, contact Jeff St. John at jeffrey.stjohn@maine.edu or 581.1591. The Bangor Savings Bank Faculty Development Fund and the Lyndon Paul LoRusso Memorial Faculty Development Fund were established at the University of Maine with a mandate that income from the funds (to include appreciation) be used to support faculty development at the discretion of the Office of Academic Affairs. The funds are administered by the Executive Vice President for Academic Affairs and Provost, with the Senior Associate Provost for Academic Affairs serving in an advisory capacity.

Republican Journal previews UMaine Museum of Art's winter shows

11 Jan 2017

[The Republican Journal](#) reports the University of Maine Museum of Art in Bangor is putting on three winter shows. "Brenton Hamilton: 20 Years" features the photography of Rockport's Brenton Hamilton, who uses 19th century processes to produce his work. In "Jared Cowan: The Life of David," Cowan, a Midcoast sculptor, video and installation artist, has created pieces exploring the life of the late Emilio David Mazzeo, the legendary marathon cross-country runner raised in Rockland. The third exhibit is "Siobhan McBride: Four Hour Fortune Cookie," featuring paintings with "descriptions of awkward experiences, passages from books and film fragments, things caught in the corner of my eye, and an attempt to conjure slippery memories."

UMaine Extension among recipients of Farm Credit funds, MaineBiz reports

11 Jan 2017

[MaineBiz](#) reported the Farm Credit Northeast AgEnhancement Program recently awarded \$44,250 to 20 organizations to promote agriculture, support young and beginning farmer initiatives, and fund agricultural youth programs. The University of Maine Cooperative Extension was among the recipients, receiving \$1,000 to support the development of educational materials on child safety for farm families, according to the article.

Zocalo Public Square profiles Hoffmann's research on blue-spotted salamanders

11 Jan 2017

University of Maine Ph.D. candidate Kristine Hoffmann's research on blue-spotted salamanders could lead to a greater understanding of how climate change is impacting northern ecosystems, reports [Zocalo Public Square](#). Since 2012, Hoffmann has been studying how urbanization is effecting vernal pools and blue-spotted salamanders in Maine. In her work, Hoffmann has trapped, measured and released the creatures at dozens of wetland sites. She has also implanted tiny radio transmitters in some salamanders. Now, Hoffmann is trying to figure out how the unisex amphibians reproduce. If it turns out the females can reproduce without male sperm, Maine will likely retain a robust population of salamanders, even as their geographic range moves further north due to climate change, according to the article.

Brewer speaks with media about Sen. Susan Collins

11 Jan 2017

Mark Brewer, a political science professor at the University of Maine, was quoted in a [Portland Press Herald](#) article about U.S. Sen. Susan Collins' role in the effort to slow down the process underway in the Senate to repeal the Affordable Care Act. Collins is leading the effort along with four fellow Republican senators, according to the article. "Whether the ACA survives is going to depend on a handful of votes in the Senate. So in regards to whether the ACA lives, Susan Collins might be the most important person in America," Brewer said. "Certainly everything she says will be carefully and closely watched." Brewer also spoke with [Maine Public](#) for a report about protests in response to Collins' support of Alabama Sen. Jeff Sessions' nomination to be U.S. attorney general. Brewer predicted the protests could cost Collins a few votes, but said she has gained influence in the Senate this year and her position in Maine is about as safe as they come. "If you're going to see a mass change in opinion on a politician as well-liked as Susan Collins, I suspect it's going to take far more than a cabinet secretary nomination," he said.

Venturini quoted in BDN article about newly protected bumblebee species

11 Jan 2017

Eric Venturini, an assistant research scientist in the School of Biology and Ecology at the University of Maine, spoke with the [Bangor Daily News](#) about the new protection of the rusty patched bumblebee under the Endangered Species Act. The species will officially receive endangered status on Feb. 10, according to the U.S. Fish and Wildlife Service, making it the first protected bumblebee species. According to the Fish and Wildlife Service, the species was once common across 28 states, but the population plummeted by 87 percent over the past 20 years, leaving scattered populations in 13 states. While habitat loss, pesticides and other factors have been tied to the decline of bee population, there could be other factors at play, according to the article. "One of the current theories links the decline of this species to the microsporidian pathogen, *Nosema bombi*," said Venturini, who studies wild bees and wild bee pollination in agroecosystems. "Research has found that this deadly pathogen is more prevalent in declining bumblebee species, than in species that are not declining." Venturini also runs Grow Wild Bees, a consulting company that works with clients to plan and plant flora that help pollinators thrive, the article states.

WAGM, Houlton Pioneer Times cover President Hunter's talk at Rotary Club meeting

11 Jan 2017

[WAGM](#) (Channel 8 in Presque Isle) and Houlton Pioneer Times reported on University of Maine President Susan J. Hunter's recent talk at a Houlton Rotary Club meeting. Hunter spoke about current initiatives and opportunities at UMaine, as well as the university's partnerships around the state. "We really see ourselves as a statewide institution and a statewide resource," Hunter told WAGM. "We really want to be seen as everyone's best partner and with a footprint that expands and covers the entire state." Notable Aroostook County partnerships Hunter mentioned were working with the Maine Potato Board and Three Rivers Paper Co. During the meeting, Hunter, who said there are currently 371 UMaine students from Aroostook County, also addressed questions about how to prepare students for the high school-to-college transition. "It really is about talking and listening, encouraging and offering opportunities," she said. "We see that with students who are already on campus, but every opportunity you can provide for somebody getting close to that high school-to-college transition — whether it's a volunteer stint, whether it's working in a small business, volunteering in a school — all of those things help pave the way to somebody thinking about different careers, different pathways."

When aquaculture grows, so does its economic impact

12 Jan 2017

Farming of finfish, shellfish and plants in fresh and saltwater is the fastest-growing food production sector in the world and it's growing in Maine, too. From 2007 to 2014, the total economic impact of aquaculture in Maine — including sales revenue, full- and part-time jobs and labor income — nearly tripled from \$50 million to \$137 million. In 2014 alone, aquaculture businesses in the state reported \$73 million in sales revenue. That's according to a new survey done by the University of Maine Aquaculture Research Institute, in partnership with the Maine Aquaculture Innovation Center, Maine Aquaculture Association and the UMaine School of Economics to assess the economic impact of aquaculture in the state. A total of 71 of the approximately 107 aquaculture businesses responded to the 2015 Maine Aquaculture Economic Impact Survey. The industry in the state employs 1,078 people, with 70 percent of those employed in year-round, full-time positions, according to the survey. "This report highlights the often underestimated economic impact of the aquaculture sector to Maine, and illustrates the recent growth of this sector," says Chris Davis, executive director of the Maine Aquaculture Innovation Center (MAIC). Prospects for area aquaculture farmers to help supply the country with seafood are promising, as the U.S. imports 91 percent of its seafood, according to the National Marine Fisheries Service. Maine's coastline and marine resources represent unique assets and aquaculture business owners expressed optimism about opportunities to grow — 73 percent of respondents predicted as much as a 51 percent increase in sales revenue by 2020. For a considerable percentage of respondents, aquaculture is a relatively young enterprise. Forty-five percent of the respondents indicated they had been in business since 2009 — 24 percent began operations in 2012 or later and another 21 percent began operations between 2009 and 2011. Fourteen percent had been in business 21 or more years. Respondents reported that in 2014, the top three selling aquaculture species were Atlantic salmon, blue mussels and Eastern oysters. For more than 40 years, the University of Maine has provided educational opportunities and conducted research related to aquaculture, at both the UMaine campus in Orono and at the Darling Marine Center, the university's marine laboratory in Walpole. And in 2014, the National Science Foundation awarded its largest-ever aquaculture research grant to UMaine and its partners. The purpose of the five-year, \$20 million award was to expand Maine's research capacity across institutions and disciplines. It led to the creation of SEANET, the Sustainable Ecological Aquaculture Network. "The university anticipates that the outcomes, impacts and new capacity that emerges from the SEANET project will be integrated in the Aquaculture Research Institute's work plan and that this network of researchers and educators will help establish Maine as a leader in the science and education needed to build long-term sustainability in this important food system," says Paul Anderson, SEANET research network director and ARI director. In 1988, the Maine Legislature established the Maine Aquaculture Innovation Center to assist with developing economically and environmentally sustainable aquaculture opportunities in the state. MAIC supports 20 ongoing research projects and manages two incubation facilities dedicated to aquaculture based at the University of Maine Center for Cooperative Aquaculture Research in Franklin and at the Darling Marine Center. To read the report, visit umaine.edu/aquaculture/economic-impact-report. Contact: Andrea Littlefield, 207.581.2289

Maine Sea Grant accepting research project proposals

12 Jan 2017

The Maine Sea Grant College Program is accepting preliminary proposals for research projects to be funded from February 2018 through January 2020. Maine Sea Grant seeks proposals for research that links the scientific capacity of Maine with the needs of coastal stakeholders, as well as synthesis efforts that will integrate knowledge from diverse sources to summarize the current understanding of coastal Maine issues, identify gaps in knowledge, and outline future research directions. Preliminary proposals are due Feb. 24. An estimated \$750,000 will be available to support research projects over the two-year funding period. Maine Sea Grant will consider funding proposals from \$50,000 to \$150,000. Although Maine Sea Grant is administered by the University of Maine, the research competition is open to faculty and staff at any public or private research or higher education institution in the state. Additional guidelines and forms are [online](#). For more information, contact Rachel Lasley-Rasher at sgresearch@umaine.edu.

UMaine inclement weather policy and emergency information reminder

12 Jan 2017

Members of the University of Maine community are reminded that the inclement weather policy is [online](#), complete with the best options for getting up-to-date information about delays and class cancellations. For the most timely notification of weather-related class cancellations or postponements, members of the University of Maine community are strongly encouraged to [sign up for text and/or email message alerts](#). Also note that the UMaine emergency information website has been retooled to provide direct access to emergency action protocols. Notifications also are posted on the [UMaine website](#) and portal; in FirstClass folders (Announcements & Alerts; Provost/Academic Affairs and UMaine Forum); and on [University of Maine Facebook](#) and [Twitter](#). These notification options are considered the most reliable options. In addition, updates can be heard by calling 581.SNOW (1.800.581.SNOW outside the local area), with early morning notifications recorded by 6 a.m., and others made throughout the day. Local media also are notified of UMaine's weather-related cancellations and delays.

BDN reports UMaine faculty, programs play role in Bangor's literary scene

12 Jan 2017

Several University of Maine faculty members and programs were mentioned in the [Bangor Daily News](#) article, "Local writers make collective effort to build Bangor-area literary scene." In recent years, the number of arts and cultural events in Bangor has grown, and UMaine has had longstanding literary programming with its New Writing Series, according to the article. To promote the literary arts even more in the region, the Norumbega Collective, a group of

area writers and poets, was founded in early 2014 by local English educators including Gregory Howard, a UMaine English professor, and Michele Christle, an adjunct English teacher at UMaine, the article states. Every one to two months, the group holds readings in downtown Bangor that feature fiction writers and poets, including Jennifer Moxley, a UMaine English professor. The group, which is planning a fundraising effort for later this year, has received funds from the UMaine Humanities Center and donations from audience members, the BDN reported. [The Maine Edge](#) also advanced the Norumbega Collective's reading by Peaks Island writer Mira Ptacin. Ptacin will read from her critically acclaimed memoir "Poor Your Soul" at 7:30 p.m. Saturday, Jan. 28 at The Rock and Art Shop in downtown Bangor. The talk will be held in cooperation with the UMaine Humanities Center's annual Bangor Humanities Day.

UMaine experts tell farmers to get used to unpredictable weather, Kennebec Journal reports

12 Jan 2017

At the Maine Agricultural Trades Show, the [Kennebec Journal](#) reported several University of Maine faculty members spoke with farmers about the likelihood of unpredictable weather patterns in the coming years and what they can do to be prepared. "We're going to have extreme weather conditions one way or the other," said Richard Kersbergen, a forage and dairy specialist at the University of Maine Cooperative Extension. Kersbergen advised farmers to diversify their crops and add more organic matter to soils. Sean Birkel, a professor with UMaine's Climate Change Institute and the Maine state climatologist, noted that overall annual precipitation is on the rise, despite last year's severe drought. And Erin Roche, the crop insurance education program manager at UMaine Extension, advised farmers to get crop insurance, if they don't already have it. "It's up to farmers to really plan for all types of weather and have some sort of contingency plan," Roche said.

AP quotes Roiland, Socolow in article on LePage's decision to ignore certain media

12 Jan 2017

The Associated Press spoke with University of Maine journalism professors Joshua Roiland and Michael Socolow for the article, "LePage ignores all but friendly media, in departure from previous governors." Republican Gov. Paul LePage has gone three months without a news conference and has retreated to friendly talk-radio stations and conservative online outlets, according to the article. Roiland said LePage's strategy is similar to Republican President-elect Donald Trump's use of Twitter: setting the day's political agendas with unfiltered, vague remarks about complex policy issues. "What it does is give LePage all the power, to make misstatements or have pointed conversations in ways politically advantageous to him and not be questioned about it," he said. In the past, LePage had lobbed many insults to local news organizations and reporters, the report states. "He's not threatening the press the way he used to, which is probably a good sign," Socolow said. "The governor never seemed to respect the media's role in governance — informing the public to act as citizens." Roiland added he wants to see the media challenge the governor's remarks more. "Not in an anti-LePage or anti-Trump agenda way, but rather in a way that defends the profession and defends the constitutional protections the press has," he said. [The Seattle Times](#), [SFGate](#), [Albuquerque Journal](#), [Portland Press Herald](#) and [Sun Journal](#) carried the AP report.

Inaugural Black Bear Athletics magazine released

12 Jan 2017

University of Maine Athletics is celebrating the achievements of Maine's only NCAA Division I program with the publication of its inaugural [Black Bear Athletics magazine](#). The 48-page, full-color magazine profiles some of the many people who make Maine's team great; student-athletes, coaches, alumni, donors and fans. The publication also outlines the vision of UMaine Athletics, which focuses on academic achievement, innovative leadership, new resources and an expectation of excellence. The university is committed to this vision and looks forward to partnering with others to provide a vibrant, sustainable future for Division I athletics at UMaine. To enhance communication and outreach, the magazine is available [online](#) and in limited print editions. The Black Bear Athletics magazine also can be found at [GoBlackBears.com](#) under the 'Fans' or 'Inside Athletics' tabs.

UMaine Career Fair to be held Feb. 1

13 Jan 2017

The University of Maine Career Center will host the 19th annual UMaine Career Fair from 10 a.m. to 3 p.m. Wednesday, Feb. 1 at the New Balance Student Recreation Center on campus. More than 150 employers from Maine and around the country with job and internship opportunities are expected to exhibit at the fair. More than 70 of the companies are offering summer internships, and 27 are offering fall internships. 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. Students are encouraged to use Career Center services to help prepare. Extended walk-in hours are available prior to the fair. For the second year, students are encouraged to download the "Careers by Simplicity" app available on Apple's App Store and Google Play. The feature allows students to filter participating employers by available positions and preferred majors. The UMaine Career Fair is the largest career fair in the state. While the event is held each year for UMaine students and alumni of all majors, students from colleges and universities around the state are welcome to attend. About 850 students attend the event annually. The fair is underwritten by Camden National Bank and Maine Machine Products 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 or 581.1355. The snow date for the event is Wednesday, Feb. 8.

Ph.D. student to take part in Island Institute film screening, Mount Desert Islander reports

13 Jan 2017

[Mount Desert Islander](#) reported the College of the Atlantic in Bar Harbor will host a free screening of four films produced by The Island Institute at 6:30 p.m. Thursday, Jan. 19. The future of fisheries and the changing ocean in the Gulf of Maine and elsewhere are explored in the films, according to the article. The "Climate of Change" series examines the effects on the fishing industry associated with climate change, including warming waters, lack of biodiversity and ocean acidification, the article states. The screening will be followed by a question-and-answer session with Susie Arnold, an Island Institute marine scientist, and Sam Belknap, a Ph.D. candidate in the Department of Anthropology and the Climate Change Institute at the University of Maine. Belknap and his research on how climate-driven changes in the Gulf of Maine impact the region's fishermen, are featured in the series.

Republican Journal previews Handley's presentation on growing berries

13 Jan 2017

[The Republican Journal](#) reported David Handley, a University of Maine Cooperative Extension specialist of vegetables and small fruits, will give a free talk at 2 p.m. Tuesday, Jan. 17 at the Belfast Free Library. Handley will speak about how to grow strawberries and raspberries in your backyard, according to the article. Topics to be discussed include selecting the best varieties for Maine, choosing a site and preparing the soil. Guests are encouraged to bring questions.

Group including UMaine officials unveils strategy to strengthen forest economy, media report

13 Jan 2017

The [Bangor Daily News](#), [WVII](#) (Channel 7) and [Mainebiz](#) covered the release of the Maine Forest Economy Growth Initiative's report, "Recommendations to Strengthen and Diversify Maine's Forest Industry and Rural Economies." In the report, the coalition unveiled nine priorities to be addressed in the next three years. The top priority is to develop a long-term vision and roadmap for the forest economy, according to a Maine Development Foundation release. The plan will identify the key opportunities and challenges that must be overcome to attract capital investment, develop greater prosperity in the forest products sector, and sustain good paying jobs in Maine's rural communities, the release states. Jake Ward, the University of Maine's vice president of innovation and economic development, and Stephen Shaler, director of UMaine's School of Forest Resources, are members of the Maine Forest Economy Growth Initiative.

Edward Myers Fund donation key to DMC outreach

13 Jan 2017

The Edward A. Myers Marine Conservation Fund's \$2,000 donation to the Darling Marine Center K-12 education program facilitated field trip visits by 900 local students and supplied marine touch tanks to area festivals. The funds were raised at the annual Pemaquid Oyster Festival in Damariscotta. "We appreciate that the Edward Myers Fund has continued to support the DMC's education programs," says Anneliese "Lili" Pugh, the center's K-12 education coordinator. "Community engagement, including our active K-12 program, is a vital part of the DMC's mission," says DMC director Heather Leslie. "Thank you to the organizers and volunteers of the Pemaquid Oyster Festival for helping to support these local programs." The festival's support of marine education has been a long-term endeavor. "In the 15 years since its inception in 2001, the oyster festival has raised over \$125,000, all of which has been donated to local schools and environmental organizations for marine education," says Chris Davis, an Edward Myers Fund board member. Aquaculture also is an important part of the K-12 program, says Pugh. "We have aquaculture programs for all ages," she says. "This past year we had third-graders growing oysters, homeschoolers cultivating kelp, and high school students studying water quality and its importance for aquaculture." Pugh says that's an important connection considering the conservation fund is named after Ed Myers, who's known as the "grandfather" of oyster growers on the Damariscotta River. Myers was a shellfish aquaculture pioneer. He was the first holder of an aquaculture lease in Maine and the first commercial grower of rope-grown mussels in the United States. He also pioneered the idea of airmailing live lobsters to long-distance markets.

UMaine publication helps farmers adapt to changing climate

17 Jan 2017

Long-term changes in weather are affecting Maine agriculture, bringing both risks and potential opportunities for farmers in the state. At the University of Maine, faculty initiated the Maine Climate and Agriculture Network to improve coordination among faculty, staff and students on the subject. The network recently published a fact sheet that outlines observations of how Maine's current weather differs from the past, what may lie ahead, and examples of farmer choices and actions that can minimize risk and help ensure productivity. More information, including their recommendations, is [online](#).

Application deadline extended for Master Gardener program, Times Record reports

17 Jan 2017

[The Times Record](#) reported the deadline to apply for the University of Maine Cooperative Extension Master Gardener Volunteers program training in Androscoggin and Sagadahoc counties has been extended to Jan. 28. The 14-week training will be held 12:30-4 p.m. Tuesdays from Feb. 28 to May 30 at the Topsham Public Library. The program provides participants with at least 40 hours of in-depth training in the art and science of horticulture. Trainees receive current, research-based information from Extension educators and industry experts. In return, trained Master Gardeners volunteer their time and expertise for related activities in their communities.

Ellsworth American cites Yarborough in story on effort to sell leftover blueberries to schools

17 Jan 2017

David Yarborough, a wild blueberry specialist at the University of Maine Cooperative Extension, spoke with the [Ellsworth American](#) for a story on the possibility of selling surplus blueberries from the 2016 crop to public schools in Maine. Based on state tax receipts, the 2016 yield could be 107 million pounds, according to the article. "That would make it the second largest crop" since 1924, Yarborough told the Ellsworth American. The paper reports the Wild Blueberry Commission has been given a \$50,000 grant from the Maine Department of Agriculture, Conservation and Forestry to market wild blueberries for use in public school breakfast and lunch programs.

Maine Center on Aging helps seniors stay fit, BDN reports

17 Jan 2017

The Maine Center on Aging at the University of Maine is helping seniors strengthen their muscles, bones and joints through a federal program it manages, reports the [Bangor Daily News](#). Volunteers with the Retired and Senior Volunteer Program or RSVP run Bone Builders fitness classes for around 150 seniors in Penobscot, Piscataquis, Hancock and Washington counties. "The goal is to increase muscle strength, build bone density, become more flexible and prevent

falls,” said the Center on Aging’s Paula Burnett, who runs the RSVP program.

AP advances Maine Potato Conference and Trade Show in Caribou

17 Jan 2017

The Associated Press reported the University of Maine Cooperative Extension will host the 32nd annual Maine Potato Conference and Trade Show on Jan. 18 and 19 in Caribou. The conference brings together potato producers, farm workers and crop advisers to discuss topics such as soil health, agricultural technology and combating drought, according to the article. Potatoes are the signature crop of northern Maine, and the state was the ninth largest potato producer in 2013 when it harvested 53,000 acres, the AP reported. Maine Public, [WLBZ](#) (Channel 2), [WABI](#) (Channel 5), [Journal Tribune](#) and [WGME](#) (Channel 13 in Portland) carried the AP report.

Media cover Dr. Martin Luther King Jr. Breakfast Celebration

17 Jan 2017

The [Bangor Daily News](#), [WLBZ](#) (Channel 2) and [WABI](#) (Channel 5) reported on the 2017 Dr. Martin Luther King Jr. Breakfast Celebration at the University of Maine. The family-friendly event, co-sponsored by the Greater Bangor NAACP and the UMaine Division of Student Life, is held annually to celebrate the life and legacy of King’s service while offering inspiration through diversity and social commitment. Danielle M. Conway, dean of the University of Southern Maine School of Law, delivered the keynote address. She urged the 300 or so people who attended the 21st breakfast to stand on the side of justice, the BDN reported. “The law has power, coercive and legitimizing,” Conway said. “It is up to each and every one of us in this room to ensure that we press law’s levers to ensure that the protections deriving from law’s ameliorative and restorative power serves those of us who are most vulnerable.” Students, faculty and elected officials spoke about the importance of an inclusive society, [WABI](#) reported. UMaine student Nina Mahaleris described her experiences with racial profiling in her short essay, “‘Quasi-American’: The segregation of US citizens by the hyphen.” “All of the biggest social movements, political movements, justice movements have always started with people,” said UMaine graduate student David Patrick. “Your neighbors, students, your community leaders.”

President Hunter profiled in Maine magazine

17 Jan 2017

A profile on University of Maine President Susan J. Hunter appears in the February 2017 edition of [Maine](#) magazine. In the article, “Tried and True,” Hunter is described as a “steadfast steward.” Hunter, the first woman president in the university’s 151-year history, took the role in July 2014, after serving for 10 months as the vice chancellor for academic affairs for the University of Maine System. Except for those 10 months, Hunter has spent her entire career on the university’s Orono campus in various academic roles including chair of the Department of Biological Sciences, the article states. “That 10 months pulled me away from campus and got me out where I learned a lot more about the other six institutions,” she said. “It was a great platform from which to then come back to the university as president.” The university’s relationship to the state as a whole is something Hunter takes seriously, both as president and as a scientist, the article states. “Our signature and emerging areas of excellence are science and technology, and reflect the breadth of the land grant institution,” Hunter said. “As a land grant university, we really have a mission. It’s in our genetic material to serve the entire state of Maine.” Hunter told the magazine she sees herself as more of a steward than a company CEO. “There is a public trust involved here. I get to make decisions, but I’m trying to make decisions that are mindful of the resources and are in the best interest of our students — and ultimately in the best interest of the people of Maine,” she said.

UMaine engineers make waves in naval architecture

18 Jan 2017

A tiny storm rages at the University of Maine’s Advanced Structures and Composites Center. Simulated wind and waves beat against the hull of a model FPSO vessel in conditions comparable to a 100-year storm off the coast of western Africa. Watching from the side of the wind-wave basin in the Alford W² Ocean Engineering Laboratory, Razieh Zangeneh, a UMaine Ph.D. student in mechanical engineering, closely monitors the three-meter-long model’s movement as it rises and falls over the swells. Floating Production, Storage and Offloading vessels, also known as FPSOs, have become a primary method for extracting, processing and storing offshore oil and gas in many areas around the world. Hydrocarbons from beneath the seafloor are transported to the vessel through a network of undersea pipelines and wells. Once onboard, the oil is processed and stored until it can be offloaded onto small shuttle tankers and transported to coastal refineries. The floating production vessels are often retrofitted oil tankers. However, unlike their mobile counterparts, they are permanently moored to the sea floor for long periods of time. As a result, they endure a wide variety of ocean conditions, including extreme storms. Zangeneh, who came to UMaine after finishing a master’s degree at the Amirkabir University of Technology in Tehran, Iran, is studying the performance of FPSO hull shapes and the deep-water mooring systems that hold them in place in offshore environments, where two different wave systems moving in uncorrelated directions — or bidirectional waves — combine with wind to produce complex ocean conditions. FPSO vessels are commonly held stationary by a turret mooring system, which is attached to the hull at or near the bow of the ship. It allows the vessel to freely swivel, or weathervane, in response to the prevailing ocean conditions, keeping the vessel’s bow pointed into oncoming wind and waves. This orientation helps reduce the strain on the mooring system, production equipment and crew during heavy seas and storm events. However, in some parts of the world, local wave systems and wind combine with swells borne from distant ocean storms and produce bidirectional wave patterns. These patterns have been shown to cause heading instability in moored FPSOs, which can have a tremendous impact on the stability of the vessel. The wind-wave basin at the Alford W² Ocean Engineering Lab is one of the few facilities in the world that can model both wind and bidirectional wave patterns and simulate some of the worst and most dynamic ocean conditions on the planet. The 1/120-scale FPSO hull was built at the UMaine Marine Ocean and Offshore Research (MOOR) Laboratory with help from graduate and undergraduate mechanical engineering students. While the model is just over 9 feet in length, it represents a ship more than 1,000 feet long, 190 feet tall and weighing 3,000 tons. The 100-year storm conditions in the waters off western Africa, while relatively tame compared to other regions of the world, are often comprised of long-period swells and local waves with varying degrees of severity and direction, combined with sudden changes in wind speed and direction. The area is home to a growing number of FPSO vessels. “FPSO mooring systems should be designed for the different environmental conditions they will be used in,” says Zangeneh, adding that the data they’re generating at the Alford W² Ocean Engineering Lab will be very useful in informing these designs. She also is testing the model in the more extreme storm conditions of the Campos Basin, another deepwater oil reserve off the coast of Brazil. Zangeneh’s research is helping to verify and validate the simulation and testing capacity of the Alford W² Ocean Engineering Lab. “The W² data is in great agreement with

computational models and other scale model experiments at other facilities around the world,” says Krish Thiagarajan, Presidential Chair in Energy, professor of mechanical engineering and Zangeneh’s academic adviser. “I really can’t think of any other facility in the world like the one we have here at the University of Maine,” says Thiagarajan. Thiagarajan leads the MOOR group and works with students researching how human-made structures interact with the complex, and often chaotic, ocean environment. Their focus spans offshore wind and wave energy systems, coastal infrastructure and naval architecture. Zangeneh’s research is helping to open the door for future collaboration between the University of Maine and the offshore oil and gas industry, and her work has already gained the attention of commercial and naval shipbuilders. Zangeneh and the MOOR research group are currently working with General Dynamics Bath Iron Works (BIW) to test a U.S. Navy Combatant model. The model DTMB 5415 hull will be built at the UMaine Composites Center and tested on the lab’s soon to be implemented tow carriage. “The primary goals of this project are to foster a working relationship between the Advanced Structures and Composites Center and BIW as well as to further validate the testing capacity of the Alford W² Ocean Engineering Lab,” says Zangeneh. Zangeneh says that the lab is capable of providing unique research opportunities for Maine’s shipbuilding industry as well as for the many undergraduate and graduate students that work at the facility. Contact: Walter Beckwith, 581.3729

Summer University 2017 registration opens Feb. 1

18 Jan 2017

Summer University 2017 courses are now available for viewing on MaineStreet. Registration will begin Feb. 1 for students looking to fit in another course, graduate early, or boost their GPA. This year, Summer University has been reorganized into two convenient time blocks made up of three- and six-week sessions. The schedule will allow more students the opportunity to take advantage of the courses that are offered throughout the summer on campus and online. Summer University 2017 will begin with a three-week May Session. This term, as with the three-week Winter Session, provides additional opportunities for students to [Think 30](#) credits per year in order to stay on track to graduate in four years. More information, including how to register, is [online](#).

Education Week publishes commentary by Biddle

18 Jan 2017

[Education Week](#) published the commentary “How education is failing rural America,” by Catharine Biddle, an assistant professor of educational leadership at the University of Maine, and Daniella Hall, a postdoctoral fellow at the Northwestern University School of Education and Social Policy.

Ives’ work inspires new Mallett Brothers Band CD, Press Herald reports

18 Jan 2017

The [Portland Press Herald](#) reported University of Maine folklorist Edward “Sandy” Ives, who founded the Maine Folklife Center, inspired the Mallett Brothers Band’s latest CD, “The Falling of the Pine: Songs from the Maine Woods.” Will and Luke Mallett’s father, folk singer David Mallett, is an obvious musical influence, but their mother, Jayne Lello, also left her imprint, the Press Herald reported. The idea for the CD came after Will Mallett pulled the book, “Minstrelsy of Maine: Folk-Songs and Ballads of the Woods and Coast,” off Lello’s bookshelf. An anthropologist and librarian, Lello worked alongside Ives as an undergraduate student at UMaine in the 1970s and remained friends with him until his death in 2009, according to the article. Together, they collected and archived hundreds of folks songs. Ives made vinyl recordings of some of the Maine songs featured in “Minstrelsy of Maine” with traditional folk arrangements as part of his research at UMaine in the 1960s. With this record, the Malletts re-imagine them, matching the lyrics with instruments and musical sensibilities of today, the article states. “I wish Sandy were alive to see this,” Lello said. “I know other people who sing, but I think the boys did a wonderful job with this project. They are inspired by the songs and stories, and I think they interpreted them beautifully.” The [Bangor Daily News](#) and [VillageSoup](#) also published an article on the group’s new album.

Media advance Bangor Symphony Orchestra concert featuring Silver as soloist

18 Jan 2017

The [Bangor Daily News](#) and [Ellsworth American](#) reported Noreen Silver, instructor of cello and chamber music at the University of Maine, will perform as a soloist during the Bangor Symphony Orchestra’s Jan. 22 concert at the Collins Center for the Arts. Silver’s performance of F.J. Haydn’s Cello Concerto No. 1 in C major with the orchestra is the centerpiece of the program that also will feature music by Bach and Handel, according to the Ellsworth American. “It’s stylistically demanding. The articulation and phrasing you must have leaves you very exposed,” Silver told the BDN of the solo piece. “There’s no hiding in Haydn.”

New 4-H club to teach Franklin County children how to raise, market livestock, BDN reports

18 Jan 2017

The [Bangor Daily News](#) reported on a new 4-H club being offered in Franklin County that will teach children the components that go into raising livestock for market. Supper on the Table was formed late last year by two mothers of children involved in 4-H clubs after recognizing there was a need to educate children on raising different types of animals for market, according to the article. In Maine, each county’s 4-H program is supported by the University of Maine Cooperative Extension. The overall goal of 4-H programming is to involve children in community service projects and leadership through a variety of agricultural clubs, ranging in topics from dairy to sheep to gardening, according to Judy Smith, community outreach assistant for Franklin County 4-H. While 4-H has strong roots within Franklin County’s agricultural families, Smith said with the new club offering an array of animal education, it could be a good introduction to raising market animals for children who do not come from a farming family. “They may not come from an agricultural background,” Smith said. “But they may end up in a farming career.”

Professor examines 100 years of rural education research

18 Jan 2017

What can you learn by studying 100 years of academic writing about rural education in the United States? For Catharine Biddle, assistant professor of educational leadership at the University of Maine, it's this: the more things change, the more they stay the same. "If you look at the case we follow, it's like the conversations are almost exactly the same. The circumstances around them maybe have changed, but the core is the same," says Biddle, who co-authored an article published last month in the *Review of Research in Education* titled "Constructing and Reconstructing the 'Rural School Problem': A Century of Rural Education Research." Biddle and co-author Amy Price Azano, an assistant professor of adolescent literacy at Virginia Tech, trace the origins the "rural school problem" to the progressive education reformers of the early 20th century. Ellwood Cubberley was the first to use the phrase, writing in response to a landmark report on rural America issued by President Theodore Roosevelt's U.S. Commission on Country Life. The commission's report included details on the poor condition of rural schools, many of which were still one-room schoolhouses. Biddle and Azano write that Cubberley and like-minded reformers sought to modernize rural schools over concerns "about the provinciality of rural life and people, the administrative inefficiency of rural schools, and the lack of adequate preparation for rural teachers." Biddle says one of the most interesting discoveries for her were how, after attracting a lot of attention in the first half of the 20th century, interest in rural education as a topic of academic research in the U.S. started to wane by the 1950s. She speculates that school consolidation and modernization in the early part of the century led many researchers to believe the "rural school problem" had been solved. "There were fewer and fewer one-room schoolhouses, even though the actual problems hadn't necessarily gone away," Biddle says. Biddle and Azano examined nearly 150 academic articles published between 1910 and 2015. Rather than study the totality of rural education research over that period, they looked at one aspect in particular: rural teacher recruitment, retention and training. Taking a long view of this one topic, says Biddle, shows how little changed in terms of the issues facing rural education. "Rural schools have always had a hard time attracting teachers, and then the teachers they do attract have to do a wide variety of things and teach a wide variety of subjects, which they wouldn't necessarily have to do in a more specialized urban environment," she says. As changing economic conditions, such as free trade and globalization, began to leave their mark on rural areas, Biddle says there was a renaissance in rural education research beginning in the late 20th century. Even here she sees parallels to the issues discussed by education reformers a century earlier. "In rural America around the turn of the 20th century, you had these huge infrastructure challenges. You know, electrification and trying to connect telephone lines to all of these areas. Today, we're talking about fiber optic cables and high-speed internet access and that kind of thing," she says. An aspect that has changed, Biddle says, is that rural America has lost population since the early 20th century. That's had a negative impact on the political capital of rural communities and, in turn, rural schools, she says. Biddle and Azano conclude their article by cautioning researchers against seeing rurality itself as a cause of the problems facing rural schools. They recommend education researchers take a more holistic look at issues of place. "A lot of literature at the turn of the century focused on the things that rural schools lack, and there's a tendency to still do that today. That's kind of the echo forward of the 'rural school problem,'" Biddle says. "But there's all this literature now talking about the dangers of deficit-based approaches to education — just looking at what schools don't have, or what communities don't have — rather than an asset-based approach or looking at the strengths of those places." In their next project, Biddle and Azano are comparing early 20th-century literature on education to research from the turn of the 21st century to see how the perspectives on the deficiencies or assets of rural schools evolved. They plan to present that research at the American Educational Research Association's annual meeting in late April. Contact: Casey Kelly, 581.3751

UMaine community members to help pack 40,000 meals for local food pantries

18 Jan 2017

In honor of Martin Luther King Jr., members of the University of Maine community will pack an estimated 40,000 meals for distribution to local food pantries on Jan. 21. The project is a partnership among the UMaine Bodwell Center for Service and Volunteerism, Honors College and Office of Multicultural Student Life, as well as the University of Maine at Augusta Bangor campus and Eastern Maine Community College (EMCC). The university recently was awarded a \$3,000 grant from Iowa Campus Compact (IACC) and a \$500 grant from the Maine Hunger Dialogue to aid the MLK Day of Service Community Partnership Project. The program aims to mobilize college students, community members and organizations to observe MLK Day not as a "day off," but a "day on," according to an IACC news release. This is the second year UMaine has led the initiative. Last year, with the help of a \$1,800 IACC grant, about 120 volunteers gathered in Old Town to pack 23,520 meals. This year, about 170 volunteers, including students, staff, faculty and community members, are needed to pack and distribute the meals from 9 a.m. to noon at the Johnston Gym & Fitness Center on the EMCC campus in Bangor. Volunteers can register [online](#). End Hunger NE, the New England regional office for Outreach, Inc., will provide ingredients and equipment. The organization also helps with UMaine packing events during Welcome Weekend. "Hunger is an issue that impacts our students as well as our communities," says Lisa Morin, coordinator of the Bodwell Center. "Last year students worked side-by-side with community members to feed thousands of people. It was an amazing experience for all involved. This year we will bring another campus and more community members together to feed thousands of people during the post-holiday season, which typically is hard for food pantries." IACC awarded the 2016–17 grants to 40 colleges and universities across the U.S. to provide funding for service projects that work toward alleviating hunger and supporting veterans. Last year, the program recruited 39,281 volunteers throughout the country. 10,175 veterans were served and 189,276 pounds of food were distributed to Americans in need, the IACC release states. "Iowa Campus Compact is excited and thrilled to fund these MLK Day of Service projects that value civic learning on the same level as community impact," says Justin Ellis, assistant director of IACC and manager of the MLK Day of Service grants. IACC, a statewide association of college and university presidents providing leadership for the civic mission of higher education, was awarded a federal grant to manage the MLK Day Community Partnership Project in 2015. The projects are funded by the Corporation for National and Community Service and supported by four other state Campus Compact partners. UMaine, the only institution in the state to receive the grant, belongs to Maine Campus Compact, a coalition of 18 member campuses, whose goal is to catalyze and lead a movement to reinvigorate the public purposes and civic mission of higher education. More information about the MLK Day of Service projects and grants is online. Donations for the UMaine event can be made through the [Bodwell Center](#). Contact: Elyse Catalina, 207.581.3747

Making a Big Splash: Interactive aquaculture exhibit at Maine Discovery Museum brings sea farming to life

18 Jan 2017

The Maine Discovery Museum is unveiling a sea farming exhibit that uses virtual reality technology and interactivity to bring aquaculture to life. The University of Maine's Aquaculture Research Institute and Maine EPSCoR Sustainable Ecological Aquaculture Network (SEANET) program provided support for the first dedicated interactive aquaculture exhibit in the country. "It's perfect timing," says Trudi Plummer, the museum's director of education. "Kids can learn and play and begin thinking about sea farming as a potential career for their future." Planning for the exhibit — "Sea What Grows Aqua Farms" — has taken the better part of a year. But with the help of local business owners, including mural artist Chez Cherry and carpenter Mike Weston, Plummer has made fast progress on readying the exhibit for its public opening Saturday, Feb. 4. "The exhibit is in a relatively small space, but thrives within its own room," says Plummer. There's a working waterfront atrium with boat murals and a computer projection of salmon farms on the surrounding walls. There's also a virtual reality component that visitors can operate with staff supervision and guidance at specific, pre-designated, times. February will be devoted to "Big Splash" special events, including crafts, book readings, touch tank presentations and a weeklong "Big Splash" vacation camp. Check the

[museum calendar](#) for dates and times. “We hope people leave the museum knowing that aquaculture is important and growing in Maine, and that the aquaculture industry offers real careers which require STEM knowledge. I also want people to remember that aquaculture farms depend on the health of the ocean,” says Plummer, who is passionate about environmental health. UMaine senior Eric Morrison, a new media student from York, Maine, developed the exhibit’s interactive component. “Virtual reality offers kids a unique learning opportunity that aids in remembering the experience and gaining knowledge in a new and exciting way,” he says. The interactive virtual reality component offers guests the chance to learn about sustainable aquaculture along Maine’s coastline and, with headsets, experience an underwater environment that includes schools of fish. Plummer says the timing of the exhibit is perfect — given the growth of the aquaculture industry in Maine and the need for greater attention to and recognition of climate change issues. “We hope to connect to sustainability, and the deeper concept that is our responsibility with, and in, nature,” she says. Plummer hopes the exhibit will pave the way toward an expansion throughout the museum’s first floor. Contact: Andrea Littlefield, 207.581.2289

Study Abroad Fair to be held Jan. 26

19 Jan 2017

The University of Maine International Programs’ Study Abroad Fair will be held Thursday, Jan. 26 to inform UMaine students, faculty and staff about the programs available for all majors to study, intern, research or teach abroad. The free event will run from 2 to 5 p.m. in the first-floor ballroom of Estabrooke Hall. 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 about UMaine’s study abroad program is [online](#).

Seacoast Online reports on upcoming beekeeping courses in Springvale

19 Jan 2017

[Seacoast Online](#) reported registration is open for Beginner Bee School starting Feb. 9 at the University of Maine Cooperative Extension, 21 Bradeen St., Springvale. Students will learn the basics of bees, honey and keeping hives in this five-week introductory course, according to the article. Master Beekeeper Larry Peiffer, president of the York County Beekeepers’ Association, will lead the class 6–8:30 p.m. Thursdays through March 9. For those with at least one year of beekeeping experience, Intermediate Bee School starts Wednesday, March 1 and runs for five weeks through March 29. More information, including registration, is [online](#).

Maine Edge praises alumnus Stephen King’s latest work, ‘Hearts in Suspension’

19 Jan 2017

[The Maine Edge](#) had kind words for Stephen King’s latest book in an online review. In “Hearts in Suspension,” King and some of the friends, activists, teachers and fellow writers he crossed paths with while attending the University of Maine in the late 1960s and early 1970s, share memories of those turbulent years on the Orono campus. “Hearts in Suspension” might seem at first glance to be of interest primarily to King completists, but it is far more than that,” the review states. “Students of history or literature or Maine or Vietnam will all find something to fascinate them in these pages. This book tells the story of a unique time in a unique place that gave birth to a number of passionate, brilliant, extraordinary minds — one of whom just happened to become one of the most popular authors of all time.”

Soil health a major focus at Maine Potato Conference, media report

19 Jan 2017

[WAGM](#) (Channel 8 in Presque Isle) and the [Bangor Daily News](#) covered this week’s 32nd annual Maine Potato Conference in Caribou, put on by University of Maine Cooperative Extension. Soil health was a major topic of this year’s presentations, as growers and industry officials from Maine and other states look for ways to improve yields, reduce disease problems and prevent erosion, according to the reports. Prepping soil for potatoes can lead to a reduction in organic matter, John Jemison, a soil and water quality specialist with UMaine Extension, told Fiddlehead Focus. Organic matter is an important part of the soil ecosystem because it holds moisture, nutrients and microorganisms. “Soil health is really more than just organic matter, but organic matter is the best measure of trying to improve soil,” Jemison said. [Fiddlehead Focus](#) also published the BDN report.

U.S. News & World Report quotes Camire in article on vinegar’s health benefits

19 Jan 2017

Mary Ellen Camire, a professor of food science and human nutrition at the University of Maine, spoke with the [U.S. News & World Report](#) for an article about the health benefits of vinegar. Grain and fruit vinegars, both of which are fermented, possess beneficial physiological effects, including antibacterial and antioxidant properties and even some anti-cancer activities, according to a 2016 review in the journal *Comprehensive Reviews in Food Science and Food Safety*. “There are a lot of health benefits associated with vinegar but some of them — such as the weight-loss benefits — have been hyped up,” said Camire, who serves as associate editor of the journal. On the positive side, Camire added, “the acetic acid can interact with starch-digesting enzymes, which will help keep blood sugar down [after a meal] in the short term.” The article states that while it’s a mistake to view vinegar as a miracle elixir, it can be good for your health in a number of ways, as well as a tasty addition to meals. “Mix it with water or tea if you’re going to drink it,” Camire advised. “Otherwise, it can harm your tooth enamel!” or burn your esophagus. [Yahoo News](#) and [MSN](#) also carried the report.

New UMaine, Oak Ridge Lab partnership to help state’s forest economy, media report

19 Jan 2017

The [Bangor Daily News](#), WABI (Channel 5), [WVJL](#) (Channel 7), [Mainebiz](#), [Woodworking Network](#) and [The Free Press](#) reported on newly announced federal funding that will help members of the Maine Forest Economy Growth Initiative begin implementing strategies to strengthen and diversify Maine’s valued

forest economy. At a press conference in Passadumkeag, U.S. Deputy Assistant Secretary of Commerce for Economic Development Matt Erskine announced federal grants aimed at addressing critical needs, including \$1 million to develop a long-term vision and strategic plan. Officials said the money will aid mill site redevelopment, broadband access for mill communities, small-business support and high school training programs, the BDN reported. Also announced was a commitment for the Tennessee-based Oak Ridge National Laboratory — the U.S. Department of Energy’s largest research center — to help researchers at the University of Maine tackle the future of bio-based materials, including nanocellular technology, biofuels and additive manufacturing, Erskine said. State, UMaine and Oak Ridge officials hope to meet to discuss next steps in a few weeks, according to the BDN. Jake Ward, UMaine’s vice president of innovation and economic development, and Stephen Shaler, director of UMaine’s School of Forest Resources, are members of the Maine Forest Economy Growth Initiative. “The university is a resource for the industry,” Shaler told WABI. “It’s a resource for the communities. But it will help us be a stronger partner and provide that support.” Two other members of the initiative also wrote an opinion piece for the [BDN](#) titled, “It’s time for Maine’s forest products industry to reinvent itself. Here’s how.”

Bridge-In-A-Backpack spinoff company signs agreement with international firm

19 Jan 2017

Editor's note: [Video of Jan. 19 announcement](#). Advanced Infrastructure Technologies (AIT), a University of Maine spinoff company, has signed an exclusive distribution and marketing agreement for North America with Terre Armee Group/Reinforced Earth Company (TA/RECo). This formative agreement will help grow adoption of UMaine’s patented composite arch bridge technology in North America, with the intent to expand into international markets. AIT is a leading producer of innovative composite arch bridge solutions, aiming to provide cost-effective and high-quality composite bridge solutions that meet complex design, durability and environmental challenges. AIT commercializes the composite arch bridge technology developed by the UMaine Advanced Structures and Composites Center originally known as Bridge-In-A-Backpack™. The Terre Armee Group operates through more than 30 companies in 60 countries. The company is best known for its work in the mechanically stabilized earth (MSE) market, where it has completed over 50 million square feet of retaining walls around the world in its 45-year history. TA is part of the Soletanche Freyssinet (SF) Group, with more than 22,000 employees working in more than 100 countries, and annual revenues exceeding \$3 billion. SF is a multinational civil engineering group specializing in bridges, retaining walls, concrete repair, ground improvement and deep foundations. “Being the inventor and world leader of the MSE retaining wall market gives us a strong platform for expanding the use of new technologies,” said Roger Bloomfield, CEO of the Terre Armee Group. “In recent years, we have annually averaged a supply of over 200,000 square meters of precast concrete arches. Adding the composite arch bridge system to our portfolio is an exciting development that will fuel the growth of both Terre Armee and AIT in the coming years.” “This exclusive partnership with TA will strengthen our presence in the U.S. and Canada by leveraging their long-term and extensive market share by adding personnel resources and financial strength to AIT,” said Brit Svoboda, chair/CEO of AIT. “TA additionally offers AIT greater access to international markets through their significant global presence. We look forward to accelerating AIT’s growth through this arrangement.” “Partnering with the University of Maine and AIT has proven to be crucial in finding ways to use innovation in helping to solve some of the transportation challenges of today,” said Maine Department of Transportation Commissioner David Bernhardt, who also serves as the president of the American Association of State Highway and Transportation Officials (AASHTO). “I look forward to all of the exciting possibilities that will benefit the industry and the transportation infrastructure as a whole.” “This is a tremendous step forward for our patented bridge technology and its commercialization partner AIT to sign a distribution and marketing agreement from a multibillion-dollar international construction and engineering company. AIT was able to attract the attention of such a substantial firm due to the value of the Bridge-In-A-Backpack™ technology, its continued R&D partnership with UMaine, and its efforts in securing early bridge sales within the U.S. infrastructure industry,” said Habib Dagher, executive director of the Advanced Structures and Composites Center, and the primary inventor of composite arch bridge technology. The innovative composite bridge system, the first to be approved in the AASHTO code, lowers construction costs, extends structural life span up to 100 years, and is a sustainable alternative to traditional construction methods. The technology has received major awards and recognition, including the 2015 White House Transportation Champions of Change, Most Creative Product by the American Composites Manufacturing Association, and the Charles Pankow Award for Innovation from the American Society of Civil Engineers. Contact: Josh Flourde, 207.951.5650

Ph.D. candidate named new executive director of Herring Gut Learning Center

19 Jan 2017

The Herring Gut Learning Center, a nonprofit marine education center in Port Clyde, has selected University of Maine Ph.D. candidate Samuel Belknap as its next executive director. Belknap is currently pursuing a doctorate in anthropology and environmental policy through Adaptation to Abrupt Climate Change, a National Science Foundation IGERT fellowship program. A native of Midcoast Maine, Belknap grew up in the towns of Damariscotta and Bristol, learning to lobster on Muscongus Bay with his father and grandfather. Before beginning his Ph.D. studies, Belknap graduated from Lincoln Academy in Newcastle, earned a bachelor’s degree from UMaine in anthropology and a master’s degree in quaternary and climate studies from the Climate Change Institute. In a new release put out by the [Herring Gut Learning Center](#), Belknap said he has long admired the organization’s work, engaging public school teachers and students in hands-on aquaculture and marine science programs. “Herring Gut has a special place in my heart,” Belknap said. “Having struggled in traditional classroom settings, especially in high school, I know firsthand the difference that experiential learning and one-on-one time with exceptional educators can make.” The full Herring Gut Learning Center news release is [online](#).

Tuesdays at the IMRC spring lecture series kicks off Jan. 31

20 Jan 2017

The University of Maine’s Innovative Media Research and Commercialization (IMRC) Center will showcase visiting artists of various mediums, faculty presentations, and performances as part of its spring 2017 artist lecture series. The Tuesdays at the IMRC series provides the university community an opportunity to meet and learn from artists of differing backgrounds who will perform, lead workshops and conduct graduate student studio visits. The spring series includes a performance by New York City-based classically trained musician, composer and sound artist Miya Masaoka; lectures by University of London professor Jane Prophet, McGill University researcher John Sullivan, and video and installation artist Sondra Perry; and a presentation by UMaine faculty Susan Smith. The series kicks off at 7 p.m. Tuesday, Jan. 31 with Ali Asgar, a multidisciplinary visual and performance artist from Bangladesh who is an IMRC Center artist in residence for the academic year. Through performance and visual narratives, Asgar aims to push the boundaries of gender norms and create a space for discussion surrounding related topics. “My work doesn’t only talk about my struggle and journey as a Bangladeshi LGBTQ community member, but it also reflects upon the lives of the sexual minority community in Bangladesh,” Asgar says. All series presentations will take place at 7 p.m. Tuesdays at the IMRC Center. They are free and open to the public. A complete schedule is online. The series is made possible through the support of the

UMaine Cultural/Affairs Distinguished Lectures Fund, Skowhegan School of Painting and Sculpture, The VIA Agency, Correll Professorship in New Media, and the UMaine Intermedia and New Media departments.

Free Press reports on funds awarded to Darling Marine Center for K–12 education program

20 Jan 2017

[The Free Press](#) reported the Edward A. Myers Marine Conservation Fund recently donated \$2,000 to the K–12 education program at the University of Maine's Darling Marine Center in Walpole. The donation is a portion of proceeds from Damariscotta's annual Pemaquid Oyster Festival. Since the festival's inception in 2001, it has raised over \$125,000, all of which has been donated to local schools and environmental organizations for marine education, according to the article. This year's donation to the DMC will help provide teaching resources and classroom supplies for students who visit the center, and help defray field trip costs for schools within the Damariscotta River watershed, the article states.

Sen. King invites U.S. Secretary of Energy nominee to visit UMaine, Press Herald reports

20 Jan 2017

U.S. Sen. Angus King invited U.S. Secretary of Energy nominee Rick Perry to come to the University of Maine to learn about energy projects UMaine is working on with the federal government, the [Portland Press Herald](#) reported. King extended the invitation during Perry's confirmation hearing before the Senate's Energy and Natural Resources Committee. "(The University of Maine) is an amazing engineering school and engineering facility — offshore wind, testing facility, nanotechnology, 3-D printing, and I think you would find it very illuminating, so I would love to have you come up," King said at the hearing. Perry accepted King's invitation. [WVII](#) (Channel 7) also reported on the invitation.

Media cover Bridge-In-A-Backpack spinoff company's deal with international firm

20 Jan 2017

The [Bangor Daily News](#), WABI (Channel 5), [WVII](#) (Channel 7), [WLBZ](#) (Channel 2), [CompositesWorld](#) and [Mainebiz](#) reported Advanced Infrastructure Technologies (AIT), a University of Maine spinoff company, has signed a distribution and marketing agreement for North America with Terre Armeec Group/Reinforced Earth Company. The agreement will help grow adoption of UMaine's patented composite arch bridge technology in the country, with the intent to expand into international markets. AIT commercializes the composite arch bridge technology developed by the UMaine Advanced Structures and Composites Center originally known as Bridge-In-A-Backpack™. UMaine's Advanced Structures and Composites Center, led by Habib Dagher, started developing the technology around 2000, and it spent 10 years testing and proving it. In 2010, it went to market through AIT, the BDN reported. "Adding the composite arch bridge system to our portfolio is an exciting development that will fuel the growth of both Terre Armeec and AIT in the coming years," said Roger Bloomfield, CEO of Terre Armeec.

Director of Athletics Karlton Creech signs four-year contract to stay at UMaine

20 Jan 2017

Director of Athletics Karlton Creech has signed a four-year contract to stay at the University of Maine, effective Feb. 10. Creech has directed the UMaine Department of Athletics since 2014. "Karlton's outstanding leadership of UMaine Athletics has benefitted the university, the state and Black Bear fans near and far," said UMaine President Susan J. Hunter. "He is a thought leader, teacher and mentor with a vision for Maine's only Division I athletic program. He came to UMaine with a strong record of athletics leadership, management and fundraising, and has effectively used those talents in the last three years to advance UMaine Athletics. "This academic year, Karlton launched a new strategic vision for UMaine Athletics. We look forward to this next chapter in the history of Black Bear Nation," Hunter said. The Department of Athletics strategic plan introduced this academic year focuses on five areas known as MAINE — Maine's team, academic achievement, innovative leadership, new resources and expectation of excellence. Among UMaine Athletics highlights in the past three years:

- Student-athletes' academic success, with the overall number being recognized for achievement (GPA 3.0 or higher) increasing annually since 2013. The total number of Scholar-Athletes and Rising Stars (first-year student-athletes after one semester) with GPAs of 3.0 or higher: 261 in 2013; 268 in 2014; 297 in 2015.
- A \$1.5 million, three-year award from the Harold Alford Foundation, establishing the Alford Fund in the University of Maine Foundation to help establish a centralized fundraising structure for UMaine Athletics, as well as continuing support of the football program.
- A 20 percent increase in annual giving to athletics, including more than \$1.5 million raised in gifts and pledges for an endowed fund to support the men's ice hockey program.
- The effective transition to key UMaine Athletics leadership positions, including the appointment of Senior Associate Directors of Athletics Lynn Coutts and Jack Cosgrove, and promotions of head coaches Joe Harasymiak and Mike Coutts.
- Athletic success, ranging from America East recognition for student-athletes to competition in playoffs and championship games.

Creech will continue to receive an annual salary of \$183,855. Private donations will provide annual supplements of \$25,000 over the next four years to help bring the director of athletics salary within a nationally competitive range. Before coming to UMaine in 2014, Creech served as senior associate director of athletics at the University of North Carolina at Chapel Hill (UNC). From 2012–14, he was UNC senior associate director of athletics, serving as chief of staff and overseeing the department's capital projects, human resources and facilities. From 2004–12, he was associate executive director for UNC's Educational Foundation Inc., where he managed capital projects, the Annual Fund, marketing, fundraising and ticket sales programs, as well as donor stewardship and development. Creech, a native of Chapel Hill, received a bachelor's degree in political science from North Carolina State University and a master's degree in management and leadership from Liberty University in Lynchburg, Virginia. He and his wife, Staci, live in Bangor. "I am grateful for the opportunity to continue leading Maine Athletics," Creech said. "My time at Maine has been the best of my career. Thank you to President Hunter and University of Maine for entrusting me with this responsibility. I look forward to working with our great team of student-athletes, coaches and staff in the coming years as we pursue excellence." Contact: Margaret Nagle, 207.581.3745

Faculty's active-learning lesson improves student understanding of biology concept

23 Jan 2017

After one of Michelle Smith's recent genetics classes at the University of Maine, several students approached her to compliment the lesson. "I wish that happened to me every time I teach a class," says Smith, an innovative science educator and one of six University of Maine faculty members who designed that day's lesson to help students better understand the building blocks of life. At UMaine, Karen Pelletreau, Farahad Dastoor, Hamish Greig, Robert Northington, Brian Olsen and Smith were the architects of the active-learning lesson to improve student comprehension of a core biology concept called central dogma. Central dogma provides a framework for understanding the flow of genetic information from DNA, to RNA to a protein. But undergraduates sometimes demonstrate a poor understanding of it, says Pelletreau, who supports faculty interested in using novel approaches to teaching as the manager for workshops, programs and training at the UMaine Center for Innovation in Teaching and Learning. So Pelletreau, Smith, their UMaine colleagues and 19 other scientists nationwide produced a clicker-based class exercise that was used in 10 large-enrollment science courses at five universities. They monitored student learning and tweaked the lesson based on data. The professors incorporated clickers — wireless student-response devices that resemble a TV remote control — to facilitate engagement and active class participation. Dastoor taught the lesson in two Biology 100 courses and says the classes were energetic and dynamic. "Students are engaged and start asking the types of questions we always want our students to ask," he says. "It is surprising how much material is covered without the students realizing it. I think this is because content is nested into a very interesting scenario." The interesting scenario is a 50-minute activity centered on brothers Liam and Elijah, who have five nucleotide differences in their dystrophin gene sequence. Liam has Duchenne muscular dystrophy and Elijah does not. In the activity, students take on the role of scientists to examine what nucleotide changes could result in Liam developing DMD, an inherited disease that progressively weakens muscles and often affects males. Using clicker questions that utilizes think-pair-share, group discussions, animations and predictions, students explore how mutations affect genes as well as corresponding mRNA and proteins. The exercise encourages students to make connections among topics that can sometimes appear disconnected and unrelated, says Pelletreau, a former lecturer and research associate in the university's School of Biology and Ecology. Assessment results back that up. Data demonstrated improved student comprehension in all 10 classes, which ranged from first-year introductory biology to advanced molecular biology. In addition to strong improvement in students' short answers pre- and post-activity, students also scored well on end-of-unit exam questions that targeted similar concepts. Smith said the project was valuable to her as well. "Faculty often collaborate on research projects, but there are also meaningful collaborations for developing teaching materials," she says. "This project was a wonderful experience because 25 people who have taught this material a variety of ways came together to share their insights and make improvements to the lesson. An article about this National Science Foundation-funded study — "A clicker-based case study that untangles student thinking about the processes in the central dogma" — is available on [CourseSource](#), an open-access journal of peer-reviewed teaching resources for college biological science courses. The project resulted from two NSF awards. In one, UMaine received \$54,486 of a \$718,000 collaborative award and in the other, UMaine received \$187,968 of a \$5 million collaborative award. UMaine educators led the project with faculty from the University of Georgia, University of Colorado Boulder, University of South Florida, Michigan State University and Stony Brook University. The endeavor worked so well, Smith says the same approach is being applied to a Research Reinvestment Fund project across the University of Maine System. Faculty at all system campuses are collaboratively designing an energy unit centered on economically relevant Maine industries, including timber, potatoes and kelp. Contact: Beth Staples, 207.581.3777

Danish String Quartet to play Beethoven, folk music at Minsky

23 Jan 2017

A quartet celebrated for its wit, joy of making music and technical and interpretive talents will perform at 3 p.m. Sunday, Jan. 29 at Minsky Recital Hall at the University of Maine. The award-winning and popular Danish String Quartet will play a wide range of music, including Beethoven's No. 8, Op. 59 No. 2, as well as folk music from Nordic countries and "Swans Kissing" for String Quartet, a piece by contemporary Scandinavian composer Rolf Wallin. The piece is based on Swedish painter Hilma af Klint's 1914 series of paintings titled "The Swan." Violinists Frederik Øland and Rune Tonsgaard Sørensen and violist Asbjørn Nørgaard met as youngsters at a summer music camp. They became serious musicians and studied at Copenhagen's Royal Academy of Music. And in 2008, Norwegian cellist Fredrik Schøyen Sjölin joined the three Danes. "Yes, playing string quartets is our job, and yes it is hard work, but we mostly do it for pleasure, like we always did," the quartet posted on its [website](#). The New York Times selected the Danish String Quartet's concerts as highlights of 2012 and 2015. And Robert Battey of The Washington Post wrote, "This is one of the best quartets before the public today." Before the concert at 2–2:45 p.m., Anatole Wieck, UMaine professor of music, violin/viola and orchestra; Jack Burt, UMaine associate professor of trumpet; and Marisa Solomon, Bangor Symphony Orchestra cellist, will provide historical context about the concert and composers at Miller's Café inside the Collins Center for the Arts. And, after the performance, concertgoers and performers are invited to a reception at the cafe. Tickets for this featured selection in the John I. and Elizabeth E. Patches Chamber Music Series are \$35 for adults/seniors and \$10 for students. Maine Public is the concert sponsor. To purchase tickets and for more information, visit the CCA [website](#). Also, to purchase tickets or to request an accommodation, call 207.581.1755.

Installation by Jones, high school students on display in Portsmouth, Seacoast Online reports

23 Jan 2017

The latest art installation by Samantha Jones, an adjunct professor of art and Honors College preceptor at the University of Maine, is currently on display at 3S Artspace in Portsmouth, New Hampshire, [Seacoast Online](#) reported. Jones recruited art students from Blue Hill Harbor School, a small alternative high school, to work with her on the piece, titled "Entanglement." "For me, bringing an idea into the world via materials is a lot like what sci-fi author Douglas Adams described as 'throwing oneself at the ground and missing' in order to fly. It's not just about staying open to possibility and letting go of control," Jones told Seacoast Online.

Brzozowski cited in Press Herald column on locally raised meat

23 Jan 2017

Richard Brzozowski, University of Maine Cooperative Extension food system program administrator, was mentioned in the [Portland Press Herald](#) article, "Locally raised Maine meat is not in short supply," as part of the "Green Plate Special" column. Analysts with the Reinvestment Fund presented findings of a recent study geared toward optimizing the state's red meat supply chain at the "More Maine Meat Workshop" held during the 76th annual Maine Agricultural Trades Show in Augusta, according to the article. Researchers found the existing meat-processing facilities in Maine can process only a third of the animals that local farmers can raise, the article states. At the workshop, Brzozowski said UMaine Extension would hold a weeklong meat-cutting school in April and

would work with existing processors to tailor the curriculum to their needs.

WABI covers Bangor Symphony Orchestra concert featuring Silver

23 Jan 2017

WABI (Channel 5) reported on the Bangor Symphony Orchestra's Jan. 22 concert at the Collins Center for the Arts. Noreen Silver, instructor of cello and chamber music at the University of Maine, performed as a soloist during F.J. Haydn's Cello Concerto No. 1 in C major. The program also included music by Bach and Handel. Concert organizers told WABI the concerts are a way to bring people together through music. "I think it really sends a great message to the community for people to see somebody that they know and love from the community on stage with us, and also somebody who's taught so many students at the university, and in the community, as well. She's just somebody that people will be excited to see, and also the orchestra has some pride in seeing one of their own members featured like this. So, it's a win-win all around," said Brian Hinrichs, executive director of the BSO.

Bayer, Billings develop lobster blood skin cream to treat ailments, BDN reports

23 Jan 2017

Bob Bayer, executive director of the University of Maine's Lobster Institute, and Cathy Billings, the institute's associate director of communications and development, are creating a skin cream from lobster blood to treat dry skin, chapped lips, cold sores, minor cuts and burns, the [Bangor Daily News](#) reported. Bayer and Billings are partners in Lobster Unlimited, LLC, a private venture, unaffiliated with UMaine, that is developing the cream, called LobsteRx. [CNBC](#) also reported on the topic, citing the BDN article.

Media report on Creech's four-year contract extension

23 Jan 2017

The Associated Press, [Bangor Daily News](#), WVII (Channel 7) and [The Ellsworth American](#) reported Director of Athletics Karlton Creech has signed a four-year contract to stay at the University of Maine, effective Feb. 10. Creech has directed the UMaine Department of Athletics since 2014. "Karlton's outstanding leadership of UMaine Athletics has benefited the university, the state and Black Bear fans near and far," said UMaine President Susan J. Hunter. "We look forward to this next chapter in the history of Black Bear Nation." Creech said he was grateful to continue leading Maine athletics. "My time at Maine has been the best of my career. Thank you to President Hunter and University of Maine for entrusting me with this responsibility. I look forward to working with our great team of student-athletes, coaches and staff in the coming years as we pursue excellence," Creech said. Sun Journal, Kansas City Star and [The Virginian-Pilot](#) carried the AP report.

Quartz cites Bricknell in story on how sea lice affect farmed Atlantic salmon

23 Jan 2017

Ian Bricknell, a professor of aquaculture at the University of Maine's School of Marine Sciences, spoke with [Quartz](#) about the harmful impact sea lice have on farmed Atlantic salmon. Prices for salmon are at a historic high due to sea lice outbreaks in Scotland and Norway, according to the article. Sea lice, Bricknell told Quartz, typically cost the salmon farming industry \$550 million a year in lost output.

Press Herald 'Maine Gardener' column says farewell to Stack

23 Jan 2017

The [Portland Press Herald](#) published a column honoring Lois Stack, an ornamental horticulture specialist, who retired earlier this month after 30 years with University of Maine Cooperative Extension. In his "Maine Gardener" column over the weekend, Tom Atwell wrote, "I haven't counted, but I think she is the source I have used most often since I began writing the 'Maine Gardener' column in March 2004, whether I was attending lectures she gave around New England or calling her up to pick her brain."

WABI covers UMaine Extension 4-H Science Saturday on aquaculture

23 Jan 2017

WABI (Channel 5) reported on the University of Maine Cooperative Extension 4-H Science Saturday that offered middle school students the opportunity to explore aquaculture and marine science research. Participants were able to play games and perform experiments similar to those conducted in UMaine research labs. Topics covered included the creation of waves and the business of aquaculture, WABI reported. Organizers of the event told WABI teaching children these topics now can help them later in life. "Aquaculture is about keeping the oceans sustainable so they can continue to grow the businesses and grow the products," said Hannah Chisholm, a graduate student at UMaine. Other 4-H Science Saturdays coming up include a session on equine science, the report states.

Gill examines plants encased in tar pits to reconstruct ice age ecosystem

23 Jan 2017

For tens of thousands of years, the warm, sticky natural asphalt that occasionally bubbled to the Earth's surface in the area now called Los Angeles was a death sentence for some ice age animals. Woolly mammoths, camels, rabbits, horses, bison, sloths, rodents, snails, turtles, birds and saber-toothed cats perished after becoming mired in the liquid asphalt — sometimes referred to as tar pits. For Jacquelyn Gill, the fossils, twigs and plants encased in this sticky petroleum at the La Brea Tar Pits and Museum in downtown Los Angeles provide opportunities to examine the climate and flora and fauna of the past and observe evolutionary changes. The University of Maine paleoecologist's findings will be added to the broader mosaic of what's already known about the very large animals of that era. Gill and other scientists involved with Project 23, as it's called, intend to reconstruct the food web — from mastodons and bison to

rodents and plants — during 2,000- to 5,000-year snapshots across an approximate 50,000-year period. [caption id="attachment_53259" align="alignright"



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Jacquelyn Gill[caption] “Most of these are ice age survivors,”

Gill says of the animals and plants trapped in the oil seeps. “What made them so resilient to climate change and extinction?” By reconstructing the food web, Gill and the team of researchers will learn how various species were connected for extended periods of time when they were not under climate stress. Understanding those connections could help protect today’s biodiversity in a changing climate, she says. “We can see how species relied on each other, and use those relationships to predict extinction risk based on food web connections,” says Gill. “It’s a useful model to apply to our modern ecosystems.” Fossils in the tar pit tombs were unearthed recently when the Los Angeles County Museum of Art, which is adjacent to La Brea Tar Pits and Museum, excavated a site to build an underground parking garage. Salt Lake Oil Field, a large petroleum reservoir below the Earth’s surface, is nearby. For tens of thousands of years, oil — formed from marine plankton deposited in an ocean basin 5–25 million years ago — has seeped to the surface. The National Science Foundation funds Gill’s nearly \$300,000 portion of the \$1.2 million three-year project. Gill conceived of the project when she delivered a lecture about ice age ecosystems and extinction at the Natural History Museum of Los Angeles County, which manages the Tar Pits. “For the first time, we can look at the entire ice age ecosystem of Rancho La Brea, instead of just the largest herbivores and predators,” Gill says. Thus far, Gill says the plants that have been identified in asphalt chunks from Los Angeles now grow in Oregon and at higher elevations in the southern Sierra Nevada mountains. This indicates the late Pleistocene climate at La Brea Tar Pits was cooler and wetter than it is now, she says. UMaine undergraduate Chason Frost, an environmental horticulture major from Gardiner, Maine, is assisting Gill with research. University of California Merced professors Jessica Blois and Justin Yeakel and several graduate students there also are taking part in the project, as is Emily Lindsey, a curator at the La Brea Tar Pits and Museum. In Maine, the grant includes funding for middle school student-centered citizen science activities as well as for training of middle school educators. Gill is a frequent source for *The New York Times*, *Slate*, *The Atlantic*, *National Geographic* and other national media for articles on climate and ecosystem change, extinction and past and modern ecosystems. She co-hosts [Warm Regards](#), a podcast about the warming planet created by Eric Holthaus, a meteorologist and writer. Andy Revkin, a senior reporter at *ProPublica*, also is a co-host. Recent topics, which can be heard on SoundCloud, iTunes and Twitter, include “The year in review,” “On humanizing science” and “Climate anxiety in the Trump era.” As a researcher and educator at a public university, Gill says she’s sensitive to her responsibility to think about ways in which science influences policy. Gill also is active on Twitter. “I’m passionate about how my work connects with the public and about standing up for science and publicly funded science,” she says. Having conversations — in class, on podcasts and on social media — amplifies the messages, she says, and helps people make meaningful connections with science. Contact: Beth Staples, 207.581.3777

Scientists, sea farmers attend Northeast Aquaculture Conference

24 Jan 2017

More than 500 attendees, including sea farmers and marine researchers from the Damariscotta area, attended the Northeast Aquaculture Conference & Exposition held Jan. 11–13 in Providence, Rhode Island. “There was a really good number of producers and scientists, including a lot of young people there, both from the entrepreneur side and science side,” says Dana Morse, Extension associate at Maine Sea Grant based at the University of Maine Darling Marine Center in Walpole. “We created the conference in 1998 because we wanted to bring together growers, researchers and others who are involved in the industry from around the region,” says Chris Davis, organizer of the event and executive director of the Maine Aquaculture Innovation Center, also based at the DMC. “It was great to see so many people there, especially producers.” The three-day event was partnered with the 37th Milford Aquaculture Seminar and featured educational presentations, workshops, field trips to research facilities and farms, and a tradeshow with industry-related vendors. Cheyenne Adams, a graduate student at the DMC who studies oyster feeding activity and food quality for the Maine EPSCoR Sustainable Ecological Aquaculture Network, attended the conference for the first time. “NACE was an awesome experience,” she says. “I presented preliminary data and proposed hypotheses for future research during the poster session, which sparked conversation with growers and drew invaluable scholarly advice from research faculty.” Morse says the technical information was excellent, and he was most impressed by the attention aquaculture is garnering and the excitement displayed by people involved with it. “Out in the hall you’d see clusters of people,” Morse says. “They’re talking shop. That’s a really good function of an event like this.”

UMaine welcomes second Global UGRAD-Pakistan Student

24 Jan 2017

A second international student has joined the University of Maine community as a participant in the U.S. Department of State’s Global Undergraduate Exchange Program in Pakistan (Global UGRAD-Pakistan). Zariab Fatima Abro of Hyderabad, Pakistan, a senior majoring in computer engineering, was one of 27 new international undergraduate and graduate students, and Intensive English Institute students, welcomed to campus this month for the start of the spring 2017 semester. UMaine’s first Global UGRAD-Pakistan participant, Aman Arif of Lahore, Pakistan, also a senior majoring in computer engineering,

joined the university community last spring for one semester. According to the program, Global UGRAD-Pakistan was created to build the capacity of a diverse group of youth leaders from underserved populations across Pakistan. Through semester-long programs of study, exploration of U.S. culture, leadership development and integration into U.S. communities, Global UGRAD-Pakistan students develop a broad understanding of American values and become citizen ambassadors who support expanded diplomatic and development partnerships. The Global Undergraduate Exchange Program in Pakistan is a program of the Bureau of Educational and Cultural Affairs of the U.S. Department of State and is implemented by IREX (the International Research & Exchanges Board).

Good Food mentions UMaine Extension guidelines in fiddlehead feature

24 Jan 2017

Guidelines published by the University of Maine Cooperative Extension were included in the [Good Food](#) article, “The fiddlehead is the world’s most magical vegetable.” Fiddleheads are a “forager’s dream, full of antioxidants and a good source of protein, zinc, riboflavin, and vitamins A and C,” the article states. The article points out that not all fiddleheads are the same, and cites a UMaine Extension [bulletin](#) that offers advice for picking ostrich fern fiddleheads, including how to look for a distinctive groove inside the stem and a brown papery cover over the green curl.

Hayes quoted in BDN report on infant mortality in Maine

24 Jan 2017

Marie Hayes, a psychology professor who researches opiate-exposed infants at the University of Maine, was quoted in a [Bangor Daily News](#) report on addressing infant mortality in Maine. Maine is the only state to see a higher infant mortality rate in this decade (2005 to 2014) than the previous decade (1995 to 2004), according to the article. While reasons for Maine’s high infant mortality rate are not entirely clear, there are some factors that stick out: smoking while pregnant, unsafe sleeping environments (when infants share a bed with parents), substance use, home births and access to prenatal care, the article states. Poverty can also be a factor, according to Hayes. “Poverty causes people to have such a high level of stress. Domestic instability or violence, irregular access to nutritious food, the stress of not being able to go to the doctor’s as much as you want all lead to infant mortality,” Hayes said.

WVII, BDN report on current UMaine Museum of Art exhibits

24 Jan 2017

[WVII](#) (Channel 7) and the [Bangor Daily News](#) reported on the winter exhibits currently on display at the University of Maine Museum of Art in downtown Bangor. Brenton Hamilton: 20 years is a midcareer retrospective of the Maine-based photographer’s work, which uses old-fashioned techniques to create pictures with an antique and contemporary feel. “There’s now a resurgence of people that are working in photography in those early processes,” George Kinghorn, curator of the museum, told the BDN. “I think that’s certainly a response to the prevalence of digital. There’s so much digital photography, and this is kind of a counterbalance to that, investigating those old processes in a contemporary way.” [WVII](#) covered another exhibit, “The Life of David,” created by Jared Cowan. The exhibit allows viewers a glimpse into the ups and downs in the life of Emilio David Mazzeo a legendary marathon cross-country runner. In 1948, Mazzeo was the fourth American to cross the finish line of the Boston Marathon and was a member of the United States Olympic Team at the Summer Olympic Games in London. Later in life, he lost both his legs. Cowan based the exhibit on stories of Mazzeo’s life told by his family and friends, and made bronze casts from the prosthetics Mazzeo used, the report states. The exhibits is on display through May 6.

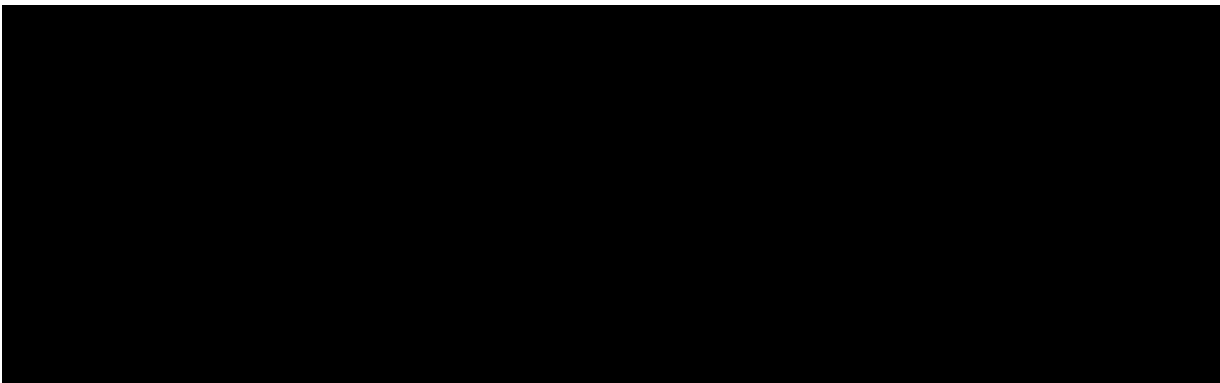
Margaret Chase Smith Policy Center cited in BDN article on Asia trade deal withdrawal

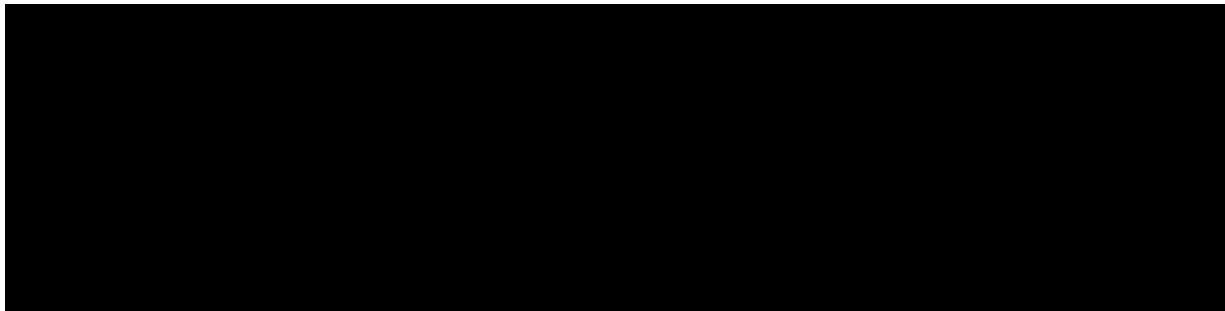
24 Jan 2017

The [Bangor Daily News](#) cited a study by the Margaret Chase Smith Policy Center at the University of Maine in the article, “Here’s what Trump spiking an Asia trade deal could mean for Maine.” In one of his first acts in office, President Donald Trump officially withdrew the United States from negotiations for the Trans-Pacific Partnership, a free-trade deal proposed by former President Barack Obama’s administration to lower tariffs and establish new industry standards between the United States and 11 other countries, according to the article. The Margaret Chase Smith Policy Center study, which was commissioned by the state, concluded in November 2016 that the deal would have a modest positive benefit for Maine, which it assessed by projecting economic growth through 2032. By that year, the report estimated the deal would have resulted in a net gain of 554 jobs and raised real state income by about \$212 million, but the boost wouldn’t be evenly distributed, the article states. For example, the study projected wood products output would dip about \$18 million. [Mainebiz](#) also cited the study, and [Maine Public](#) carried the BDN article.

Farming the sea

24 Jan 2017





[Read transcript](#) Since the establishment of Maine's first sea farm in Clark Cove in 1975, the state's aquaculture industry has grown to 107 companies totaling approximately 113 lease sites and employing approximately 600 people. In 2014, the overall economic impact of Maine aquaculture was \$137.6 million, according to a new report by the Aquaculture Research Institute at the University of Maine. For more than four decades, UMaine has conducted research and provided educational outreach related to the farming of aquatic organisms, such as finfish, shellfish or sea vegetables. In 2014, that support took a giant step forward with the creation of Maine's Sustainable Ecological Aquaculture Network (SEANET). Read the full UMaine Today article [online](#).

Transcript

Bill Mook: I believe that aquaculture is one of Maine's most promising areas for economic development. When you look at the demand for seafood, things like scallops and oysters, and you couple that with Maine's enormous coastline and a wide variety of marine environments, it's a natural fit. **Damian Brady:** Aquaculture is the idea of raising usually some aquatic-based organism, whether it's marine or fresh, essentially growing that organism instead of going out and harvesting it with nets, gill nets, long lines, and the typical ways that we do fishery. Instead, the idea is that if we can control more of the situation, whether it's the environment or whether it happens to be a culturing technique, that we can enhance the productivity of that particular traditionally wild-harvested species by doing it in culture. **Seth Barker:** The potential of what we're doing, I'd like to say, is huge. In fact, I'd like to say, we'll feed the world. The potential, over time, and it's going to take time, is that this form of aquaculture will be supplying food locally, regionally, perhaps nationally. It has the potential for being developed and is being developed on the Maine coast. The potential is not just for food, nutritious food, but also for jobs and businesses. **Bill Mook:** Our industry is very heavily science-based, it is biotech. Even the more extensive field aspects of it are turning in that direction. It's very important that we have this scientific expertise to draw on and the capacity to be able to carry out both field research and benchtop research. That provides the answers and the timelines for businesses to know where money should be invested, where it shouldn't, where are the opportunities, and where are the hazards that we face? **Damian Brady:** The buoys that have been deployed are part of a \$20 million NSF project called the Sustainable Ecological Aquaculture Network. What this is is a network of both institutions, like the University of New England, the University of Maine, the University of Maine at Machias, and growers themselves, and the industry to create this new network to create these information streams. **Matthew Gray:** By deploying these buoys, we'll learn where the valuable nutrients for production are and share that with the public. That will promote better understanding of where the best habitat for aquaculture is in the state. **Carter Newell:** My own research has to do with how the animals work with the environment. If we can get some nicer facilities at Darling Center where we can tune into environmental variables like temperatures, salinity, food concentration, and we can look at what makes the animals grow better. Then we can go out in the ocean and find those places with our satellites, with our buoys, and with some of our cruises with our students and researchers. Then we could say, "Oh, do you realize we can grow a thousand tons of scallops in this bay that we never thought of before? You can match the requirements of the animal with what you have in the environment." That's the idea. **Andrew Taylor:** When we opened this restaurant, our big focus was on showcasing what we believed to be some of the best oysters in the world. The best oysters are going to be the ones that are grown closest to you. There's no better place to eat Maine oysters than on the coast of Maine. I thought it was really, really important for us to really develop strong relationships with the farmers and really showcase Maine oysters. Anything that anybody can do to make aquaculture stronger, more viable is going to be better for us. It's going to be better for them, better for the coast of Maine, better for the economy. **Damian Brady:** What we see here at the Darling Marine Center as our mission is to help the industry both with problems that might be impediments toward the growth of that industry or that might stop the growth of that industry, from disease research. Also being the R&D arm — the research and development arm — for this industry and helping them discover new lines that might be more resistant to diseases, for instance, in the future and also new species. We're the first area in the state of Maine to grow scallops, for instance, in a culturing technique. We really see ourselves as answering problems for them and being a source of information to help them make better decisions for the industry. [Back to post](#)

UMaine to compete in regional cybersecurity contest in New York

25 Jan 2017

The University of Maine will compete in the 2017 Northeast Collegiate Cyber Defense Competition (NECCDC) March 17–19 at the Rochester Institute of Technology in Rochester, New York. The UMaine Cyber Defense Team is one of 10 groups from institutions around the region, including Harvard and Syracuse, scheduled to take part in the competition. The team earned its spot after competing in a preliminary contest. According to the [National Collegiate Cyber Defense Competition](#), the contest simulates security operations for a small company. Teams must quickly familiarize themselves with network systems and software before beginning to defend against attacks while also providing customer service to users. UMaine Cyber Defense Team members participating in the competition are Lucas Ashbaugh (captain), Ben Grooms (vice captain), Greg Antonellis, Jacob Collupy, Nicholas Dieffenbacher-Krall, Avery Dunn, Howard Reeve and Cameron Sullivan. Alternates are Matt Loewen and Andrew Piccirillo. George Markowsky, professor of computer science at UMaine, is the team's faculty adviser. More information about the competition is [online](#).

UMaine Extension to co-host rural energy workshop, AP reports

25 Jan 2017

The Associated Press and [Lancaster Farming](#) reported on an upcoming rural energy workshop in Dover-Foxcroft to educate homeowners, farmers and business owners about how they can more efficiently power their properties. The Piscataquis County Soil and Water Conservation District will host the workshop on Feb. 17 in partnership with the University of Maine Cooperative Extension's Piscataquis County Office and Dover-Dexter Area Towns in Transition. Organizers say the event will focus on energy efficiency, energy audits and informing property owners about different energy sources. A representative from the United States Department of Agriculture Rural Development will speak about funding opportunities for rural energy efficiency and

renewable energy, the AP reported. Maine Public and The Dispatch of Clay Center, Kansas carried the AP report.

CBS News quotes Mayewski in report on sea level rise

25 Jan 2017

Paul Mayewski, director of the Climate Change Institute at the University of Maine, was quoted in a [CBS News](#) article about a new report from the National Oceanic and Atmospheric Association. The report states global sea level rise is unfolding at a stunning pace, and over the coming decades, some parts of the nation's coastline will be hit harder than others. The report outlined six likely scenarios for sea level rise, ranging in severity from low to extreme, so communities and the federal government can plan around those likelihoods, according to the article. In historical perspective, Arctic warming over the past five years is "as fast and as large a magnitude" as the warming that occurred during the last vestiges of the Ice Age 11,500 years ago — the transition that gave birth to our modern climate era, Mayewski told CBS News in a recent interview.

New research project on older workers invites UMaine employees to participate

25 Jan 2017

University of Maine employees age 55 or older, and supervisors of older workers are invited to take part in a new research project conducted by the UMaine Center on Aging in collaboration with the Department of Sociology and School of Economics. The goal of the research is to better understand the assets that older adults bring to the workforce, as well as their fit in various work environments. Maine is oldest state by median age in the nation. At the same time, people are retiring later. Workforce participation by those 65 years and older is on the rise and, as a result, the culture of business is changing. The UMaine research team, led by Lenard Kaye, director of the Center on Aging, wants to help older adults and workplaces, including the University of Maine, understand these trends as a step toward meaningful use of the skills, experience and contributions of older adults in the workplace. Employees are invited to participate in a confidential online survey, which should take about 20–25 minutes to complete. Once submitted, participants will be given the option to enter a drawing to win one of two \$50 Amazon.com gift cards. Below are the links to the surveys for older workers and supervisors, which begin with an informed consent form. Some participants are qualified to take both surveys if they are 55 and older, and also supervise older workers. For more information about the research project, contact Jennifer Crittenden, assistant director of the Center on Aging, 262.7923; jennifer.crittenden@maine.edu. [Survey for employees age 55 and older](#) [Survey for supervisors of older employees](#)

UMaine cited in Local Xpress story on tidal power

26 Jan 2017

Local Xpress of Halifax, Nova Scotia cited the University of Maine as one of several academic institutions, working with Fundy Ocean Research Center for Energy to collect data on the performance of a demonstration turbine in the Minas Passage in the Bay of Fundy.

BDN interviews Gambocarto for story on saving energy at home during the winter

26 Jan 2017

Olivia Gambocarto, sustainability outreach coordinator at the University of Maine, spoke with the [Bangor Daily News](#) about what people can do to reduce their energy consumption and make their homes more sustainable during the winter. Gambocarto recommends caulking windows and doors and adding insulation to prevent heat from escaping. She also suggests using energy-efficient LED light bulbs. "When it gets dark at 3:30 [p.m.] — oh my goodness, of course you're inside, your lights are on more often," Gambocarto told the BDN. "There's the constant struggle between [wanting] it to be brighter, but then I'm using more energy."

UMaine Extension, Sea Grant to offer aquaculture training course Mount Desert Islander reports

26 Jan 2017

University of Maine Cooperative Extension and Maine Sea Grant College Program will partner with the Maine Aquaculture Association, Coastal Enterprises Inc. and the Maine Aquaculture Innovation Center to offer a training course for commercial fishermen and fishing families, looking to diversify their income, the [Mount Desert Islander](#) reports. The course will take place Tuesday, Feb. 7, at 6:30 p.m. at the Bryant E. Moore Community and Conference Center in Ellsworth. "We're trying to deliver some pretty good background to new prospective growers," says Dana Morse, an extension associate with UMaine Extension. [The Ellsworth American](#) and [Penobscot Bay Press](#) also advanced the course.

UMaine's Center on Aging launches online certificate programs to teach professionals how to better support seniors, the BDN reports

26 Jan 2017

The [Bangor Daily News](#) reports the Maine Center on Aging at the University of Maine will use two new online certificate programs to help community leaders, social workers, nurses and others better support Maine's growing population of older adults and their families. The online courses help professionals earn the Center on Aging's Interprofessional Graduate Certificate in Gerontology, now in its fourth year. "This program is relatively unique on several counts," Lenard Kaye, the center's director told the BDN. "It address the interests of a broad sweep of professionals. It brings together not just social workers and nurses but also doctors, audiologists, speech pathologists and other professions. We want everybody speaking the same language."

Mitchell cited in BDN story on LePage's move to end state's role in federal refugee resettlement program

26 Jan 2017

John Bear Mitchell, a lecturer and coordinator of the Wabanaki Center at the University of Maine, was quoted by the [Bangor Daily News](#) in a story on the LePage Administration's plan to stop resettling refugees by March 4. Discontinuing participation in the federal resettlement program leaves the role of the

Office of Multicultural Affairs at the Maine Department of Health and Human Services, unclear. Mitchell says the office has suffered from a lack of authority and funding. "It was sort of like trying to get through college with really broke parents. It tried to make things happen, but it was difficult with no authority, no money and no way to get out the message, Mitchell told the BDN.

Former UMaine police officer Laughlin passes away

26 Jan 2017

William 'Bill' Leo Laughlin, who worked for 28 years as a police officer with the University of Maine's department of public safety, passed away Jan. 23. A U.S. Air Force veteran, Laughlin also spent 10 years as a Senior Deputy with the Hermon Police. His obituary is [online](#).

Professor Emeritus Clayton Dodge passes away

26 Jan 2017

Clayton Dodge, who taught mathematics for 41 years at the University of Maine, passed away Jan. 22 at Eastern Maine Medical Center in Bangor, after a brief illness. Dodge received his master's degree in mathematics from UMaine in 1959. During his career, he wrote and published six mathematics textbooks, numerous articles and mathematical software used in the early days of computers. Dodge retired from UMaine in 1997. His obituary is [online](#).

Bangor Symphony Orchestra, Emera Astronomy Center partner to offer Star Wars mini concerts

26 Jan 2017

The Bangor Symphony Orchestra will provide live musical introductions before two Friday evening public programs in February at the University of Maine's Emera Astronomy Center. Feb. 3 and Feb. 24, BSO musicians will perform works from Star Wars movies to open the center's public program "Stars," narrated by the actor Mark Hamill. The program explores the life cycles of stars and includes a live tour of the night sky as viewed from Maine. "It's a nice way to partner with other community organizations and bring in new audiences for each entity," says Shawn Laatsch, director of the Emera Astronomy Center, home of the Jordan Planetarium. "That's something I've been focused on since arriving at UMaine given our facility is now digital and can do a variety of immersive visualization." A BSO string quartet will perform Feb. 3; BSO brass will perform Feb. 24. UMaine students will offer a Star Wars mini concert, with help from BSO musicians, before the public program Feb. 10. The collaboration between Emera Astronomy Center and BSO precludes the orchestra's pops concerts, "The Music of Star Wars," March 4-5 at the Collins Center for the Arts. "The Bangor Symphony is always excited to bring music to unexpected places, and with our upcoming performances in March of 'The Music of Star Wars,' the planetarium was a great fit," says Brian Hinrichs, executive directory of the Bangor Symphony Orchestra. Tickets for "Stars" are \$6 for adults; \$5 for UMaine students, senior citizens and military veterans; and \$4 for children under age 12. Tickets are available [online](#) or by visiting or calling the Emera Astronomy Center box office, 207.581.1341. Contact: Jay Field, 207.581.3721; 207.338.8068

University of Maine announces fall 2016 Dean's List

27 Jan 2017

The University of Maine recognized 2,298 students for achieving Dean's List honors in the fall 2016 semester. Of the students who made the Dean's List, 1,714 are from Maine, 523 are from 31 other states and 61 are from 27 countries other than the U.S. Listed below are students who received Dean's List honors for fall 2016, 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
Abraham	Diana	Brockton	MA	
Acheson	Erin	Arundel	ME	
Ackley	Matthew	Rockport	ME	
Ackley	Megan	Veazie	ME	
Acord	Noell	Richmond	ME	
Adams	Oliver	Cumberland Center	ME	
Agger	Dana	Newtown	PA	
Agneta	Melissa	Windham	ME	
Ahearn	Matthew	Medway	MA	
Ahern	Joseph	Bangor	ME	
Aiken	Kara	Westford	MA	
Aiken	Nicholas	Sheffield	VT	
Al Bakir	Numan	Dhaka		Bangladesh
Alabbad	Maitham	Al-Jafir		Saudi Arabia
Albanese	Diana	Gorham	ME	
Albano	Michaela	Wells	ME	
Albert	Christopher	Bradford	ME	
Alcorn	Justin	Saco	ME	
Alex	Gabe	Belfast	ME	
Alexander	Stephanie	New York	NY	

Alexandrou	Rachel	Orono	ME	
Alhammadi	Mohamed	Abu Dhabi		United Arab Emirates
Allan	Kelsey	Cape Elizabeth	ME	
Allard	Cassandra	Kennett Square	PA	
Allen	Mathew	Hermon	ME	
Allen	Mathew	Sanford	ME	
Allisot	Sarah	Orono	ME	
Altvater	Natalie	Perry	ME	
Alvandian	Alexander	Alton	ME	
Aman	William	Lakeville	MA	
Amaral	Jillian	East Providence	RI	
Amato	Anthony	Westford	MA	
Amell	Evan	Buxton	ME	
Ames	Bethany	Old Town	ME	
Andersen	Emilie	Orono	ME	
Andersen	Shayne	Holden	ME	
Anderson	Eleni	Portland	ME	
Anderson	Hanna	Brewer	ME	
Anderson	Stephanie	Salem	NH	
Andrews	Brady	Litchfield	ME	
Angelo	Kevin	North Andover	MA	
Anglin	Amber	Weymouth	MA	
Anson	Morgan	Coquitlan	BC	Canada
Anzures Uroza	Eduardo	South Portland	ME	
Arbo	Tyler	Newburgh	ME	
Archambault	Griffin	Wayland	MA	
Archambault	Thomas	Holden	ME	
Ardans	Christine	Calhan	CO	
Ardill	Luke	London		United Kingdom
Areno	Meagan	Old Town	ME	
Armstrong	Alicia	Brunswick	ME	
Armstrong	Coryn	Cumberland Center	ME	
Armstrong	Francesca	Easton	ME	
Arnold	Olivia	Ogunquit	ME	
Arsenault	Michaela	Cumberland Center	ME	
Arundel	Clayton	Saco	ME	
Asalone	Kathryn	Hampden	ME	
Asay	Sara	Hudson	ME	
Assoumou	Kevin	Kumasi		Ghana
Audet	David	Augusta	ME	
Audibert	Sharon	Bangor	ME	
Austin	David	Fairfield	ME	
Austin	Eunyoung	Old Town	ME	
Avery	Taylor	Hampden	ME	
Aviani	Danielle	Surrey	BC	Canada
Awalt	Brian	Hancock	ME	
Aydlett	Margaret	Cullen	VA	
Babcock	Caroline	Fremont	NH	
Bacon	Paige	Hermon	ME	
Baert	Nathan	North Waterboro	ME	
Baez	Alan	Waterville	ME	
Bailey	Alexis	Newcastle	ME	
Bailey	Allison	Bath	ME	
Bailey	Bradley	Randolph	ME	
Bailey	Hannah	Hampden	ME	
Bailey	Madelyn	Holden	ME	
Bailey	Nicole	Nepean	ON	Canada
Bailey	Taylor	Vassalboro	ME	

Baillargeon	Lucas	Old Town	ME
Baker	Joshua	Glenburn	ME
Baker	Sarah	Glenburn	ME
Ballard	Brianna	Detroit	ME
Ballard	Devin	Caribou	ME
Ballesteros	Samantha	Brewer	ME
Barbera	John	Yarmouth	ME
Barberi	Conrad	Winterport	ME
Barberi	Olivia	Winterport	ME
Barbieri	Amanda	Wallingford	CT
Barboza	Gabrielle	Lewiston	ME
Barker	Cleo	Portland	ME
Barnes	Emma	Wexford	PA
Barnes	Kiandra	Steuben	ME
Barnes	Shyanne	Caribou	ME
Barnett	Alex	Veazie	ME
Barra	Dominic	Wells	ME
Barrett	Drew	Presque Isle	ME
Barry	James	Bangor	ME
Barry	Kyle	Hampden	ME
Bartash	Bailee	Lincoln	ME
Bartlett	Elise	Cape Neddick	ME
Barto	Benjamin	Avon	CT
Barto	Nicholas	Kennebunk	ME
Baskett	Dante	Brunswick	ME
Baskin	Noah	Ridgefield	CT
Basquez	Sarah	Brunswick	ME
Bassis	Michelle	Plainville	MA
Bates	Gina	Merrimack	NH
Bates	Kaylee	Oakland	ME
Bates	Willow	Kennebunkport	ME
Bauld	William	West Kennebunk	ME
Baumann	Jacob	Falmouth	ME
Baumann	Joseph	Leeds	ME
Bautista	Danielle Moorea	Moorpark	CA
Baxter	Silvia	Portland	ME
Beal	Stacey	Beals	ME
Beals	Zachary	Holden	ME
Bean	Justin	Livermore	ME
Beane	Elizabeth	North Reading	MA
Beaton	Cordell	Old Town	ME
Beaudoin	Nicolas	Woodland	ME
Beaudoin	Samuel	Acton	ME
Beaudry	Zachary	Searsport	ME
Beaulieu	Maria	Skowhegan	ME
Beauregard	Braden	Plainfield	CT
Beccia	Willow	Hudson	MA
Becker	Benjamin	Grantham	NH
Becker	Christiana	Old Town	ME
Becker	Samuel	Saint Paul	MN
Beebe	Connor	Reading	PA
Begin	Robert	Saco	ME
Begley	Michele	Windham	ME
Behan	Jamie	Seekonk	MA
Beil	Vivien	Orono	ME
Beland	Bianca	Barkhamsted	CT
Belanger	Alexander	Dayton	ME

Belanger	Dylan	Moscow	ME	
Belanger	Michael	Amherst	NH	
Belanger	Paige	Fairfield	ME	
Belisle Haley	Abigail	Yarmouth	ME	
Bell	Katie	Orono	ME	
Bell	Rebecca	Skowhegan	ME	
Bellefleur	Abby	Auburn	ME	
Belyavtseva	Daria	Saint Petersburg		Russian Federation
Bemis	Austin	Bangor	ME	
Beneduci	Zachary	Troy	NY	
Beneski	Jessica	Revere	MA	
Benner	Heather	Bangor	ME	
Bennett	Molly	Falmouth	ME	
Bennoch	Casey	West Bath	ME	
Benoit	Dylan	Southbury	CT	
Benson	Brawley	Greenbush	ME	
Berard	Jennifer	Norton	MA	
Berenyi	Dagan	Searsport	ME	
Bergdoll	Eliana	Burnham	ME	
Bergeron	Jessalyn	Gorham	ME	
Bergeron	Kaylei	North Reading	MA	
Bergeron	Rachael	Waterville	ME	
Bergeron	Ryan	Howland	ME	
Berglund	Kelly	Orono	ME	
Bergstrom	Jessica	Belfast	ME	
Bernard	Ashley	Plymouth	MA	
Bernheim	Lilja	South China	ME	
Bernier	Kyle	Sidney	ME	
Bernosky	Loni	Bradford	ME	
Berrill	Emily	Gorham	ME	
Berry	Daniel	Dallas	GA	
Berry	Raeann	Southold	NY	
Berry	Wyatt	Camden	ME	
Bertin	Ryan	Gorham	ME	
Bertwell	Lindsey	Derry	NH	
Berube	Teddy	Brewer	ME	
Besselmann	Marie	Rheda-Wiedenbruck		Germany
Betters	Gabrielle	Wells	ME	
Bickford-Duane	David	Orrington	ME	
Biela	Kimberly	Southington	CT	
Bilodeau	Juliana	Brewer	ME	
Bilodeau	Katelyn	Augusta	ME	
Binette	Alyson	Bradley	ME	
Bisson	Haley	Lewiston	ME	
Bisson	Mikaila	Hampden	ME	
Bissonnette	Aaron	Lewiston	ME	
Bissonnette	Marie	Orono	ME	
Bistri	Donald	Orono	ME	
Biswas	Oisin	Brewer	ME	
Bizzarro	Nicholas	Erie	PA	
Black	Alex	Fayette	ME	
Bladen	Rachael	Orrington	ME	
Blaine	Steven	York	ME	
Blais	Miranda	Biddeford	ME	
Blais	Nathan	Leeds	ME	
Blaisdell	Tristan	East Taunton	MA	
Blake	Austin	Westbrook	ME	
Blanchard	Matthew	Cumberland Center	ME	

Bleakney	Jordan	Frankfort	ME	
Blodgett	Rebecca	Parkman	ME	
Blood	Cameron	Orono	ME	
Bloom	Jacob	Scarborough	ME	
Bloom	Sierra	Bar Harbor	ME	
Bloss	Amanda	Litchfield	ME	
Blum	Kyle	Warren	ME	
Blunt	Allison	South Berwick	ME	
Boardway	Garrett	Clifton	ME	
Bois	Kevin	Westbrook	ME	
Boissonneault	Eve	Sudbury	ON	Canada
Boissonneault	Rachel	Hyannis	MA	
Boldebook	Joshua	Saco	ME	
Bolduc	Celine	Dixfield	ME	
Bolduc	Natalie	Dixfield	ME	
Bolduc	Samuel	Bangor	ME	
Bonnanzio	Anne	Milford	CT	
Bonner	Matthew	Haverhill	MA	
Bonneville	Lucie	Belfast	ME	
Bonney	Rachel	Oxford	MA	
Bonsey	Alexa	Reading	MA	
Boomer	Rebekah	Hampden	ME	
Boomer	Sarah	Hampden	ME	
Boone	Lucy	Beaumont	TX	
Borger	Emily	Old Town	ME	
Bosworth	Sarah	Cape Elizabeth	ME	
Bouffard	Connor	Biddeford	ME	
Boulos	Jaime	New Gloucester	ME	
Bourgoin	Brandon	Lee	ME	
Bourgoin	Natasha	Van Buren	ME	
Bourque	Ashlyn	Biddeford	ME	
Bousfield	Kayla	Glenburn	ME	
Bouthot	Justine	Biddeford	ME	
Boutot	Hunter	Old Orchard Beach	ME	
Bowden	Katrina	Hudson	ME	
Bowen	Julia	Lisbon Falls	ME	
Bowen	Mathieu	Lewiston	ME	
Bowen	Zachary	Plaistow	NH	
Bowie	Benjamin	South Paris	ME	
Bowie	Jordan	Windsor	ME	
Bowman	Amie	Orono	ME	
Boynton	Maylinda	Belfast	ME	
Bozzelli	Racquel	Dover Foxcroft	ME	
Brackett	Ashley	Auburn	ME	
Bradenday	Finn	Peaks Island	ME	
Bradford	Katrina	Corinth	ME	
Bradshaw	Jacob	Berwick	ME	
Brady	Erin	Scarborough	ME	
Bragdon	Morgan	Brewer	ME	
Bragg	Lily	Mount Vernon	ME	
Brainerd	Amanda	Bangor	ME	
Brannigan	Jack	Chelsea	ME	
Bray	Ryan	Cumberland Center	ME	
Bray-Bateman	Frances	Lincolntonville	ME	
Breton	Seth	Freeport	ME	
Brett	Courtney	Portland	ME	
Brewer	Erin	Poland	ME	

Brewer	Evan	Bangor	ME
Brewer	Matthew	Corinth	ME
Brickman	Emma	Fort Kent	ME
Briggs	Alyson	Bangor	ME
Brigham	Emilie	Andover	MN
Bristol	Genevieve	Etna	NH
Britton	Eric	Falmouth	ME
Britton	Jack	Falmouth	ME
Broad	Kelsey	Manchester	ME
Bromberg	Caroline	Princeton Junction	NJ
Bromley	Alexandria	Voorhees	NJ
Brooks	Drew	Lyman	ME
Brooks	Rachel	Clifton	ME
Brown	Aaron	Clinton	ME
Brown	Adam	Scarborough	ME
Brown	Austin	Easton	PA
Brown	Caden	Manchester	ME
Brown	Chelsea	Deer Isle	ME
Brown	Greta	Waldoboro	ME
Brown	Isiah	Dixfield	ME
Brown	James	Scarsdale	NY
Brown	Jennifer	Old Town	ME
Brown	Justin	Ellsworth	ME
Brown	Kathleen	Portsmouth	RI
Brown	Kathryn	York	ME
Brown	Lindsey	Lincolnville	ME
Brown	Molly	Bar Harbor	ME
Brown	Zoe	Eliot	ME
Bruce	Timothy	Orono	ME
Bryant	Hailey	Gorham	ME
Bryant	Larissa	Dixfield	ME
Buck	Regan	Sanford	ME
Bucklin	Jacob	Searsport	ME
Budri	Mariza	Portland	ME
Bullard	Andrew	Alfred	ME
Bullard	Daniel	Alfred	ME
Bunnell	Hannah	Old Town	ME
Burby	Sarah	Winterport	ME
Burch	Madison	Bath	ME
Burgess	Jacob	North Berwick	ME
Burgess	Madeline	Lawtons	NY
Burgess	Mitchell	Standish	ME
Burgess	Mitchell	Veazie	ME
Burgess	Reilly	Greene	ME
Burkard	Alyssa	Searsport	ME
Burkard	Jay	Stockton Springs	ME
Burke	Jeffrey	Bangor	ME
Burke	Nathaniel	North Chelmsford	MA
Burke-Monsanto	Kiana	Nahant	MA
Burkhart	James	Bangor	ME
Burr	Patrick	Hartland	ME
Burris	Amber	Orrington	ME
Burton	Abbie	Bar Harbor	ME
Bush	Caroline	Holden	ME
Bushway	Todd	Norfolk	MA
Bussiere	Chantal	Norwood	MA
Buswell	Carly	Stetson	ME
Butler	Christopher	Bar Harbor	ME

Butler	Cole	Auburn	ME	
Butler	John	Newport	ME	
Butler	Kendall	Harwinton	CT	
Buttarazzi	Jacob	Arundel	ME	
Buyaskas	Michael	Clifton Park	NY	
Buzzelli	Angelina	Charleston	ME	
Byard	Tessa	Dedham	ME	
Byrne	Devin	Old Lyme	CT	
Byrnes	Meaghan	Windham	ME	
Byron	Blaine	Ottawa	ON	Canada
Byron	Christopher	North Yarmouth	ME	
Caccese	Vincent	Bangor	ME	
Cahill	Sean	Yarmouth	ME	
Cahoon	Skye	Wrentham	MA	
Calcia	Christopher	Troy	ME	
Caliendo	Marcus	Portland	ME	
Callahan	Austin	Neenah	WI	
Callahan	Emily	Raymond	ME	
Callahan	Kathryn	Bangor	ME	
Callaway	Rachael	Old Town	ME	
Campbell	Brody	Exeter	ME	
Campbell	Rebecca	Sanford	ME	
Campbell	Victoria	Marlton	NJ	
Canning	Dexter	Ripley	ME	
Capone	Isabella	Windham	NH	
Car	Noah	Hobe Sound	FL	
Carey	Christopher	Bangor	ME	
Carey	Mariah	Plymouth	ME	
Carey	Quinn	Essex	CT	
Carle	Forrest	Calais	ME	
Carlin	Karyn	Surry	ME	
Carlson	Maeve	Wiscasset	ME	
Carlson	Rachel	Lutz	FL	
Carlucci	John	Danbury	CT	
Carmichael	Chloe	Veazie	ME	
Carney	Lara	Orono	ME	
Caron	Derek	Auburn	ME	
Caron	Molly	Holden	ME	
Caron	Vanessa	Sanford	ME	
Carpenter	Noah	York	ME	
Carpentier	Bradford	Windham	ME	
Carr	Jordan	Veazie	ME	
Carr	Josh	Calais	ME	
Carr	Nicole	Milford	ME	
Carrier	Grant	Harpswell	ME	
Carrigan	Caroline	Topsham	ME	
Carroll	Cassandra	Enfield	CT	
Carroll	Hugh	Peaks Island	ME	
Carroll	Nathan	Millville	MA	
Carten	Sarah	Reading	MA	
Carter	Bailey	Fairfield	ME	
Carter	Mindy	Blue Hill	ME	
Caruso	Paul	Cumberland Center	ME	
Carvalho	Emily	Dorchester	MA	
Casals	Daniel	Miami	FL	
Cashin	Jennifer	New Boston	NH	
Cashman	Austin	Windsor	CT	

Cashman	Sean	Old Town	ME	
Cass	Kevin	Cumberland Foreside	ME	
Castiglia	Elana	Eddington	ME	
Castro	Anthony	Cape Elizabeth	ME	
Castro	Dante	New Gloucester	ME	
Cates-Wright	Dakota	Whiting	ME	
Caulfield	Kathryn	Naples	ME	
Cavanaugh	Meaghan	Calais	ME	
Cedrone	Evan	Manchester	CT	
Chadrawi	Amber	Dover Foxcroft	ME	
Chalkley	Emily	Corinth	ME	
Cham	Harrison	Pittsburgh	PA	
Chamberlain	Samuel	Windham	ME	
Chamberlin	Mary	Bar Harbor	ME	
Champagne	Josie	Fairfield	ME	
Chandoha-Lee	Colton	Milford	NJ	
Chapman	Molly	Orono	ME	
Chappell	Brett	Rock Falls	IL	
Charles	Sydney	Fryeburg	ME	
Charlton	Amanda	Lexington	MA	
Charpentier	Lily	Naples	ME	
Charron	Taylor	Sturbridge	MA	
Chartier	Justin	Dixfield	ME	
Chase	Aaron	Concord	NH	
Chase	Kayla	Milford	ME	
Chase	Samuel	Bangor	ME	
Chason	Donna	Unity	ME	
Chasse	Nicholas	Bangor	ME	
Chasse	Nicole	East Millinocket	ME	
Chasse	Taylor	Veazie	ME	
Chavarro	Juliana	Cali		Colombia
Chick	Kaitlyn	Readfield	ME	
Chouhan	Tanay	Dubai		United Arab Emirates
Claar	Joseph	Portland	ME	
Clark	Brandon	Greene	ME	
Clark	Dallas	Augusta	ME	
Clark	Edward	Croton on Hudson	NY	
Clark	Joshua	Brunswick	ME	
Clark	Kaitlin	Standish	ME	
Clark	Mea	Northeast Harbor	ME	
Clark	Sarah	Houlton	ME	
Clarke	Emily	Acton	ME	
Clasby	James	Loudon	NH	
Claudell	Christina	Palermo	ME	
Clavette	Renee	South Berwick	ME	
Cleary	Julia	Wakefield	MA	
Cleathero	Camden	Norton	MA	
Clemens	Jennifer	Bar Harbor	ME	
Clement	Andrew	Falmouth	ME	
Clement	Cassidy	Skowhegan	ME	
Clement	Nicholas	Townsend	MA	
Clements	Rebecca	Veazie	ME	
Clifford	Dillon	Lisbon Falls	ME	
Clifford	Sara	Harborside	ME	
Cloutier	Hannah	Old Town	ME	
Cloutier	Moriah	Vassalboro	ME	
Cloutier	Troy	Waterboro	ME	
Cochran	Emma	Surrey	BC	Canada

Codega	Anthony	Castine	ME	
Cohen	Sophie	Warren	ME	
Cohen	Tyler	Orono	ME	
Cole	Kelsey	York	ME	
Collias	Joseph	Wilton	CT	
Collins	Kristen	Cranford	NJ	
Collins-Casey	Krensa	Brighton	CO	
Colon	Alexandra	Old Town	ME	
Colson	Sierra	Mount Desert	ME	
Comtois	Emily	Castine	ME	
Conant	John	Crofton	MD	
Condez	Lillianne	New Bedford	MA	
Connolly	Kahli	South Weymouth	MA	
Conrad	Olivia	Yarmouth	ME	
Conroy	Thomas	Bellingham	MA	
Cook	Cassidy	Bangor	ME	
Cook	Jacquelyn	Lancaster	PA	
Cook	Joshua	Vergennes	VT	
Coon	Jacob	Portland	ME	
Cooper	Ashley	Westport	MA	
Cooper	Samuel	Bensalem	PA	
Coppens	Matthew	Ajax	ON	Canada
Corey	Taylor	Plainville	MA	
Corless	Bailey	Wallingford	CT	
Cormier	Kaleb	Van Buren	ME	
Cormier	Maria	Sullivan	ME	
Correale	David	Bangor	ME	
Cosgrove	Carly	Bangor	ME	
Cosgrove	Kristin	West Gardiner	ME	
Cosgrove	Sydni	Bangor	ME	
Costin	Shea	South Berwick	ME	
Cote	Alexis	Madawaska	ME	
Cote	Jessica	Lewiston	ME	
Cottle	Justin	Winterport	ME	
Cotton	Katherine	Glenburn	ME	
Coughlin	Erin	Marlborough	MA	
Coulter	Everett	Saint Albans	ME	
Courtney	Justin	Bangor	ME	
Couture	Emalee	Orono	ME	
Cowger	Felicia	Weston	ME	
Cox	Thomas	Camden	ME	
Coyle	Joshua	Cumberland Center	ME	
Coyne	Emily	North Yarmouth	ME	
Coyne	Sarah	Newtown	PA	
Craig	Jovon	Brewer	ME	
Crane	Matthew	Exeter	ME	
Crawford	Anthony	Wells	ME	
Crawford	Chelsea	Topsham	ME	
Crawford	Loreli	Bangor	ME	
Crawford	Michael	Topsham	ME	
Crawford	Todd	Waldoboro	ME	
Cray	Meghan	Bangor	ME	
Cray	Taylor	Readfield	ME	
Crocker	Brandon	Glenburn	ME	
Cronin	Taylor	Naples	ME	
Crooks	Emma	Acton	MA	
Cropley	Colleen	Hermon	ME	

Cropley	Melody	Standish	ME
Cross	Heather	Barton	VT
Cross	Samuel	South Portland	ME
Crowley	Jamie	Old Orchard Beach	ME
Crowley	Kimberly	Orono	ME
Crucianelli	Paula	Westbrook	ME
Cullen	Cody	Gray	ME
Cummings	Caid	Brewer	ME
Cummings	Damian	Windham	ME
Cummings	Fenton	Newport	ME
Cummings	Madison	Belfast	ME
Cunningham	Isobel	Raymond	ME
Cunningham Tuthill	Rachel	North Providence	RI
Curran	Nicolette	Skowhegan	ME
Currier	Tori	Bradley	ME
Curtis	Alyssa	Eliot	ME
Curtis	Ashley	Hampden	ME
Curtis	Brooke	Skowhegan	ME
Curtis	Caroline	Orono	ME
Cushman	Rylee	Hermon	ME
Cutting	Kathryn	Sebago	ME
Cyr	Pascal	Eddington	ME
Cyr	Shaylyn	Glenburn	ME
Cyr-Ellis	Logan	Bangor	ME
D'Antilio	Kestrel	Hartland	ME
Daggett	Christopher	Chelsea	ME
Dagher	Anna-Maria	Veazie	ME
Dagher	Katerina	Veazie	ME
Daigle	Kailey	Alfred	ME
Daley	Jennie	Sullivan	ME
Dalrymple	Jennyfer	Farmington	ME
Dalrymple	Rebecca	Old Town	ME
Daly	Courtney	Scarborough	ME
Dam	Olivia	Lewiston	ME
Damon	Alyssa	Holden	ME
Damon	Elizabeth	Sumner	ME
Damuck	Ellie	Searsport	ME
Dana	Mingwun	Greenbush	ME
Dang	Luke	Augusta	ME
Danner	Alexander	Waterville	ME
Daoud	Sabrina	Rumford	ME
Dapice	Ethan	Brewer	ME
Darling	Adam	Waterford	CT
Darling	Cailin	Yarmouth	ME
Darragh	Jade	Bucksport	ME
Dassow	Timothy	Caribou	ME
Daugherty	Erin	Sioux Falls	SD
Davee	John	Hope	ME
Davee	Molly	Rockport	ME
Davenport	Anjelica	Bangor	ME
David	Nicholas	Cromwell	CT
Davidson	Kevin	Montville	ME
Davis	Alison	Scarborough	ME
Davis	Brady	Freeport	ME
Davis	Nathan	Deer Isle	ME
Davis	Reed	Dedham	ME
Davis	Samantha	Ellsworth	ME
Davis	Zachary	Groton	CT

Day	Abigail	Turner	ME
Day	Matthew	Brunswick	ME
De Oliveira Sena	Leticia	Webster	MA
de Silva	Amy	North Dartmouth	MA
Dean	Jeremy	Westfield	VT
DeBrock	Spencer	Newtown	CT
Decker	Daniel	Dover Foxcroft	ME
Dee	Nathan	Bangor	ME
Deering	Emily	South China	ME
DeForest	Sally	Old Town	ME
Degen	Tristan	Bangor	ME
Degnan	Oscar	Orrington	ME
Delcourt	Meaghan	Old Town	ME
Deleard	Fedlinde	Lamoine	ME
DeLisle	Lillian	Rome	ME
DellaMattera	Allison	Belfast	ME
DeLong	Joshua	Auburn	ME
DeLorenzo	Kristiana	Bridgewater	MA
Delp	Taylor	Bangor	ME
DeMello	Benjamin	Rochester	MA
Demers	Megan	Gorham	ME
Demin	Elizabeth	Saco	ME
Demosthenes	Jacob	Topsham	ME
Denis	Alex	Topsham	ME
Dennis	Bram	Corinth	ME
Dennison	Danielle	Hermon	ME
Densmore	Siobhan	Portland	ME
Deon	Hanna	Industry	ME
DeRaps	Katelyn	Franklin	ME
Derhagopian	Alex	Falmouth	ME
Deroche	Caroline	Eddington	ME
Derosier	Derek	Orono	ME
Derrick	Alyssa	Coventry	RI
Deschaine	Jonathan	Dedham	ME
Desjardins	Claudia	Bangor	ME
DeSoto	Brianna	Gardiner	ME
Desrochers	Spencer	Biddeford	ME
Detwiler	Sean	Arrowsic	ME
DeVoe	Savannah	Naples	ME
Dick	Cameron	Sidney	ME
Dickens	Sarah	Holden	ME
Dickson	Caroline	Fairfax	VA
Dickson	Lauren	Arundel	ME
Dieffenbacher-Krall	Nicholas	Old Town	ME
Diemer	Trevor	Freedom	ME
Dietrich	Alexis	Freeport	ME
Dignan	Jason	Bangor	ME
Dillingham	Julia	Turner	ME
Dillon	Seth	Madison	ME
DiMatteo-LePape	Asha	Brattleboro	VT
Dimick	Anna	Durham	ME
DiPhilippo	Isabella	Scarborough	ME
DiPietrantonio	Evan	Westbrook	ME
DiRenzo	Katherine	North Attleboro	MA
Discatio	LaRae	Scarborough	ME
Dixon	Brandon	Solon	ME
Doak	Lauren	Fort Kent	ME

Doak	Sarah	Stockholm	ME	
Dodge	Morgan	Lee	ME	
Doe	Stewart	Kennebunkport	ME	
Doiron	Cara	Bangor	ME	
Dolinski	Lauren	Easthampton	MA	
Domagala	Mitchell	Ellsworth	ME	
Donadio	Sophia	Middletown	CT	
Donisvitch	Soren	Sidney	ME	
Donnelly	Ian	Windham	ME	
Donohue	Thomas	Medway	MA	
Doody	Kevin	Canton	MA	
Dore	Kelsey	Aberdeen	SD	
Dorion	Bennett	Dixfield	ME	
Dorr	Madeline	McLean	VA	
Doucette	Dylan	North Berwick	ME	
Dougherty	Anastasia	Pomfret Center	CT	
Doughty	Cody	Winslow	ME	
Doughty	Dylan	Chebeague Island	ME	
Douglass	Chloe	Orono	ME	
Douglass	Lyle	Phippsburg	ME	
Dowman	Emily	Essex Junction	VT	
Downing	Mindy	Brownville	ME	
Doyle	Abigail	South Berwick	ME	
Doyle	Johna	Gorham	ME	
Doyon	Emily	Biddeford	ME	
Drake	Hunter	Hudson	MA	
Drake	Jesse	Glastonbury	CT	
Drinkwater	Maggie	South Thomaston	ME	
Drinkwater	Nicholas	North Billerica	MA	
Driscoll	Anna	Scarborough	ME	
Driscoll	Sean	Haverhill	MA	
Drown	Susannah	Bangor	ME	
Drum	Philip	Silver Spring	MD	
Dubay	Cameron	Auburn	ME	
Dube	Kaitlyn	Woolwich	ME	
Dube	Katherine	Arundel	ME	
DuBois	Desirae	Old Town	ME	
Dubuc	Hannah	Taunton	MA	
Dubuc	Nate	Windham	ME	
Duddy	Samuel	Cape Elizabeth	ME	
Duff	Samantha	Saratoga Springs	NY	
Duffield	Charles	Old Town	ME	
Duffy	Shannah	Brunswick	ME	
Duguay	Sage	Waterville	ME	
Dumas	Adam	Gray	ME	
Dumas	Jared	Lewiston	ME	
Dumas	Patrick	Gray	ME	
Dumond	Nicole	Dixfield	ME	
Duncan	Katrina	Bangor	ME	
Dunham	Laura	Temple	ME	
Dunn	Avery	Dayton	ME	
Dunn	John	Houlton	ME	
Duplissie	Mason	Milford	ME	
Dupont	Taylor	North Berwick	ME	
Duran-Frontera	Emily	Las Marias		Puerto Rico
Dusenge	Belise	Orono	ME	
Duval	Nathaniel	Wauregan	CT	
Dye	Jarod	Hallowell	ME	

Dyer	Blake	Sebec	ME	
Dyer	Chloe	Chebeague Island	ME	
Dyer	Hannah	Hermon	ME	
Dziegiel	Brandie	Clearwater	FL	
Eacrett	Allison	Lowell	MA	
Eaton	Alison	Stonington	ME	
Eaton	Matthew	York	ME	
Eaton	William	York	ME	
Ebihara	Tomohiro	Lexington	MA	
Edgecomb	Hannah	Mount Desert	ME	
Edmondson	Mimi	North Yarmouth	ME	
Egeland	Dylan	Cape Elizabeth	ME	
Eisenhart	Miranda	Cumberland Center	ME	
Elder	Hannah	Edgecomb	ME	
Elkins	Abigail	Hampden	ME	
Elliott	Abigail	Bangor	ME	
Ellis	Brittany	Bangor	ME	
Ellis	Micaela	Brooks	ME	
Elsemore	Caleb	South Portland	ME	
Elwell	Lydia	Hartland	ME	
Elz Hammond	Emma	Old Town	ME	
Emajoe	Riin	Poltsamaa		Estonia
Emerich	Rachel	Lincoln Park	NJ	
Emerson	Brandon	Augusta	ME	
Emery	Lauren	East Poland	ME	
Emmons	Cameron	Richmond	ME	
Endre	Jordan	Harrington	ME	
Engler	Jannie	Boebingen		Germany
Ennis	Keegan	Presque Isle	ME	
Enriquez	Gavrielle	Pittsfield	ME	
Eramian	Jonathan	Boonton	NJ	
Eramo	Courtney	Rowley	MA	
Erickson	Jo-an	Acton	MA	
Ermold	Kendra	Saco	ME	
Erwin	Rosaleen	Brunswick	ME	
Eslin	Allyson	Old Town	ME	
Etro	Isabella	Eliot	ME	
Evans	Andrea	Milford	ME	
Evans	Jesse	Cross Junction	VA	
Evans	Katherine	Orono	ME	
Everett	Emma	Presque Isle	ME	
Everett	Tyler	Waterboro	ME	
Everitt	Julia	Newport	RI	
Ewy	Emma	Kennebunk	ME	
Eye	Grace	Orono	ME	
Fabel	Joshua	Galloway	NJ	
Fahey	Amy	Bangor	ME	
Fairbrother	Hannah	Dover Foxcroft	ME	
Falkner	Noah	Ashland	OR	
Fall	Amanda	East Haddam	CT	
Fandel	Olivia	Orono	ME	
Farley	Gabrielle	Blue Hill	ME	
Farnsworth	Eric	Topsham	ME	
Farragher-Gemma	Laura	Millis	MA	
Farrar	Samuel	North Yarmouth	ME	
Farrington	Adam	Brewer	ME	
Farrington	Shawn	Brewer	ME	

Fasano	Julia	Jefferson	ME	
Fascione	Russell	Plaistow	NH	
Faucette	Jill	Saco	ME	
Faucher	Benjamin	Berlin	NH	
Faulkingham	Wade	Brewer	ME	
Federico	Jennifer	Glenburn	ME	
Feero	Keegan	Old Town	ME	
Fehily	Patrick	Ballineen		Ireland
Fekete	Lelia	Crystal	ME	
Fellows	Mitchell	Readfield	ME	
Ferguson	Grace	Gray	ME	
Ferguson	Julianna	Sandwich	MA	
Fernald	Caleb	Brewer	ME	
Fernald	Ian	Phippsburg	ME	
Field	Frances	Rockport	ME	
Fifield	Peta	Franklin	NH	
Finnemore	Kate	Caribou	ME	
Fisher	Zachary	Old Town	ME	
Fitzpatrick	Joseph	North Yarmouth	ME	
Fitzpatrick	Molly	North Yarmouth	ME	
Flanagan	Ryan	Farmington	ME	
Flannery	Alexander	Hampden	ME	
Fleishman	Andrew	South Portland	ME	
Flint	David	Rockport	ME	
Floreani	Mary	Wimberley	TX	
Fluckiger	Christina	Wallingford	CT	
Fluet	Zoe	Cumberland Center	ME	
Flynn	Jillian	Portland	ME	
Flynn	Liam	Raymond	ME	
Fogg	Lauren	Old Orchard Beach	ME	
Foley	Jackson	Eliot	ME	
Folger	Hannah	South Berwick	ME	
Folsom	Laura	Greenville	ME	
Foote	Sean	Mineola	NY	
Ford	Katelyn	Presque Isle	ME	
Fortier	Daniel	Lewiston	ME	
Fortin	Michaela	Jefferson	ME	
Foss	Jacob	Livermore	ME	
Fossier	Mitchell	Alpharetta	GA	
Foster	Andrew	Jefferson	ME	
Foster	Anna	South Portland	ME	
Foster	Devon	Bangor	ME	
Foster	William	Poland	ME	
Fouchereaux	Claire	Yarmouth	ME	
Fournier	Andrew	Bangor	ME	
Fournier	Emma	Turner	ME	
Fowler	Stephanie	Casco	ME	
Fox	Jacob	Enfield	NH	
Frame	Alexa	Belgrade Lakes	ME	
Frank	Samantha	Windham	ME	
Franklin	Amy	Bath	ME	
Fratzke	Emily	Murrieta	CA	
Freeman	Emma	Scarborough	ME	
Freeman	Henrikus	Saco	ME	
Freme	Maura	Caribou	ME	
Friars	Abbey	Port Williams	NS	Canada
Frie	Noah	Westbrook	ME	
Frisard	Meghan	Worcester	MA	

Frongillo	Dominic	Bar Harbor	ME
Frye	Levi	Walpole	NH
Fullmer	Adam	Hallowell	ME
Gaghan	Leo	Lewiston	ME
Gagne	Cassidy	Barrington	NH
Gagne	Emily	Raymond	ME
Gagner	Kayla	Tewksbury	MA
Gallant	Makenzie	Rumford	ME
Galley	Kathryn	Temple	NH
Gallop	Emma	Houlton	ME
Gannon	Bradley	Brunswick	ME
Garand	Melissa	Manchester	ME
Gardner	Christianna	Easthampton	MA
Gardner	Colin	Hubbardston	MA
Gardner	Faith	Walpole	NH
Gardner	Hope	Walpole	NH
Gardner	Maire	Carmel	ME
Garfield	Nicholas	Lowell	ME
Garner	Emma	Sandown	NH
Garson	Gabrielle	Gorham	ME
Gartley	Alyssa	South China	ME
Gavner	Lydia	Colchester	CT
Gayer	Nicholas	Vassalboro	ME
Gayton	Kayla	Sabattus	ME
Geiger	Malik	Norway	ME
Gelinas	Jeffrey	Saco	ME
Genovesi	Giorgio	Pawcatuck	CT
Gentzler	Autumn	Uxbridge	MA
Geoffrion	Henry	Georgetown	ME
George	Benaiah	Putnam	CT
Gerakaris	Axios	Caribou	ME
Gerchman	Logan	Denmark	ME
Gerow	Kennedy	Glenburn	ME
Gervais	Colton	South Portland	ME
Ghikas	Olivia	North Andover	MA
Gifford	Miranda	Bradley	ME
Giguere	Arianna	Westbrook	ME
Gilbert	Alexander	Brookfield	VT
Gilbert	Alyssa	Saco	ME
Gilbert	Christopher	Bernardston	MA
Gilbert	Christopher	Scarborough	ME
Gilbert	Mariah	Saco	ME
Gilbert	Shanay	Hallowell	ME
Gillette	Catherine	Brownfield	ME
Gilmore	Drew	Hampden	ME
Girardin	Alicia	Worcester	MA
Giroux	Anna	Westbrook	ME
Gladu	Jacob	Leeds	ME
Glasberg	David	North Scituate	RI
Gleason-Boure	Nicolas	Windham	ME
Gleeson	Thomas	Cape Elizabeth	ME
Glidden	Abigail	Palermo	ME
Gluckman	Danielle	Deerfield	IL
Glusker	Elisha	Augusta	ME
Goding	Natalie	Livermore Falls	ME
Goff	Brandon	Monmouth	ME
Goins	Faythe	Elgin	SC

Gold	Daniele	Southwick	MA	
Golias	Katherine	Mount Royal	NJ	
Gonnella	Edward	Old Town	ME	
Gonyea	Keely	Hermon	ME	
Gonzalez	Emma	Knoxville	TN	
Good	Brittany	Presque Isle	ME	
Goodenough	Bryant	Eliot	ME	
Goodine	Devanne	Warwick	RI	
Goodine	Lauren	Woodville	ME	
Goodwin	Chelsie	Alfred	ME	
Goos	Ariel	Concord	MA	
Goplerud	Elise	Lowell	MA	
Gordley-Smith	Lucien	Belfast	ME	
Gordon	Connor	Orono	ME	
Gordon	Jannelle	Lawrence	MA	
Gordon	Joshua	Presque Isle	ME	
Gosch	Theresa	Bochum		Germany
Gotschlich	Colin	Gorham	ME	
Gottwalt	Catherine	Mound	MN	
Goulding	Jennifer	Groton	MA	
Goulette	Spencer	York	ME	
Goulette	Zachary	Turner	ME	
Goupille	Kyle	Presque Isle	ME	
Gower	Rachel	Winterport	ME	
Grady	Tara	Exeter	NH	
Graebert	Colin	Stockton Springs	ME	
Graham	Rachel	Walpole	MA	
Grallert	Sophia	Lewiston	ME	
Gramour	Dakota	Old Town	ME	
Gramse	Matthew	Falmouth	ME	
Gramse	Michael	Falmouth	ME	
Grandchamp	Olivia	Veazie	ME	
Graney	Nicholas	Topsham	ME	
Granger	Aeleah	Gray	ME	
Granger	Mackenzie	Manchester	CT	
Granquist	Sojourn	West Farmington	ME	
Grant	Loren	Lisbon Falls	ME	
Grass	Meagan	Orrington	ME	
Graunke	Jeffrey	South Berwick	ME	
Graveson	Jeffrey	Uxbridge	MA	
Gray	Adam	Northeast Harbor	ME	
Gray	Chloe	Windham	ME	
Gray	Kayla	Verona Island	ME	
Greaney	Emily	Mercer	ME	
Greco	Callie	Greene	ME	
Greco	Clifford	Greene	ME	
Green	Adam	Bangor	ME	
Green	Ashley	Bangor	ME	
Green	Kelsey	South Portland	ME	
Green	Kendra	Bangor	ME	
Green	Mary	Presque Isle	ME	
Green	Mckenzie	Augusta	ME	
Green	Sydney	Manchester	ME	
Greenawalt	Kayla	Orono	ME	
Greene	Heather	Shelburne Falls	MA	
Greenlaw	Drew	Eastport	ME	
Greenwood	Ben	Livermore	ME	
Gregory	Aidan	Orono	ME	

Grennon	Christopher	Cape Elizabeth	ME
Grenon	Russell	Cumberland Center	ME
Grey	Audrey	Cape Elizabeth	ME
Griffin	Graham	Old Town	ME
Griffith	Thomas	Orono	ME
Grindle	Alexa	Holden	ME
Grindle	Joel	Brunswick	ME
Grindle	Kaylee	Bucksport	ME
Grissinger	Alexa	Elkins Park	PA
Grocholl	Julia	Brunswick	ME
Groening	Patrick	Belfast	ME
Grondin	Sarah	Falmouth	ME
Guarnieri	Lucia	Belgrade	ME
Guider	Justin	Wilmington	DE
Guimond	Dominic	Portland	ME
Guiney	Colin	Lighthouse Point	FL
Gundlach	Chelsey	Norwood	MA
Guptill	Cordell	Old Town	ME
Gutkes	Jake	Toms River	NJ
Guy	Whitney	Orono	ME
Guzzi	Dante	Boothbay	ME
Haas	Derek	Old Town	ME
Haberstick	Julia	Westbrook	ME
Hadley	Justin	Madison	ME
Hafford	Benjamin	Dedham	ME
Hagaman	Mykayla	Pickerington	OH
Haines	Phillip	Newton	NJ
Haines	Savannah	Westport	MA
Hale	Zachary	Fairfield	ME
Hallowell	Angela	Presque Isle	ME
Halm	Benjamin	Edgecomb	ME
Hamblet	Trevor	Fairfield	ME
Hamilton	Mary	Old Town	ME
Hamm	Jill	Bangor	ME
Hamm	Matteah	Brewer	ME
Hanenburg	Lia	Hampden	ME
Hannigan	James	Portland	ME
Hanscom	Dylan	Dexter	ME
Hanscom	Shawn	Orono	ME
Hanson	Kaitlyn	Warren	ME
Hanson	Paige	Fairfield	ME
Hardy	Jessie	Bangor	ME
Hargreaves	Abigayle	Concord	CA
Harling	Mitchell	Durham	NH
Harmon	Natalie	Fayette	ME
Harmon	Rachel	Hodgdon	ME
Haroldsen	Dylan	Kennebunk	ME
Haroldsen	Kaleigh	Kennebunk	ME
Harrington	Kayla	Pelham	NH
Harrington	Raegan	Hermon	ME
Harris	Rebecca	Saco	ME
Harrison	Rebecca	Lincoln	ME
Hartford	Alexander	Jay	ME
Hartley	Logan	Bangor	ME
Hartt	Dale	Veazie	ME
Harvey	Rachel	Southington	CT
Harvie	Christian	Scarborough	ME

Haskell	Dylan	West Gardiner	ME	
Hatch	Denae	Campton	NH	
Hatch	Jessica	Bradley	ME	
Hatch	Peter	Acton	MA	
Hathaway	Carter	Turner	ME	
Hathaway	Erica	Brandon	VT	
Haughton	Austin	Kingston	MA	
Haverly-Johndro	Brody	Newport	ME	
Havey	Heather	Franklin	ME	
Hawk	Alton	South China	ME	
Hawthorne	Liam	South Berwick	ME	
Hayes	Emily	New Hyde Park	NY	
Hayes	Jami	Berwick	ME	
Hayward	Abigail	Bangor	ME	
Hayward	Kaitlyn	South China	ME	
Hayward	Molly	Scarborough	ME	
Heard	Daniel	Albion	ME	
Heath	Josie	Augusta	ME	
Hebert	Benjamin	South Berwick	ME	
Hebert	Emily	Madawaska	ME	
Hedrick	Tina	Delta	PA	
Heffernan	Courtney	Biddeford	ME	
Hegarty	David	Limington	ME	
Hein	Jill	Holden	ME	
Heithoff	Banton	Oldwick	NJ	
Hench	Jessica	Freeport	ME	
Heptig	Augustus	Wells	ME	
Herasme	Orlensy	Worcester	MA	
Herman	Cassidy	Ottawa	ON	Canada
Hernandez Pepe	Isabel	Rome		Italy
Herrschaft	Gene	Portland	ME	
Hershon	Isaac	Marlborough	MA	
Hersom	David	Turner	ME	
Hess	Katie	Danville	PA	
Hess	Stephen	Waldo	ME	
Heulitt	Lauren	The Forks Plantation	ME	
Heuschkel	James	New Hartford	CT	
Hey	Jackson	Saco	ME	
Heyden	Deborah	Carmel	ME	
Hibbs	Daniel	Jericho	VT	
Hicks	Asaad	West Hartford	CT	
Hicks	Tyler	Gray	ME	
Hidu	Julia	Hampden	ME	
Higgins	Carlianna	Bangor	ME	
Hildebrant	Charles	Dover Foxcroft	ME	
Hill	Cassidy	Searsmont	ME	
Hill	Ethan	Old Town	ME	
Hiller	Kelly	Hampden	ME	
Hiller	Samuel	Burlington	VT	
Hilliard	Willem	Blue Hill	ME	
Hillis	Cole	Brunswick	ME	
Hilt	Alexia	Friendship	ME	
Hinckley	Katie-Jean	Prospect	CT	
Hindle	Emily	Orono	ME	
Hindley	Dillion	Freeport	ME	
Hindley	Zachery	Freeport	ME	
Hines	Emma	Portland	ME	
Hoak	Sarah	Dexter	ME	

Hodgins	Mitchell	Brewer	ME	
Hodgkins	Anna	Hallowell	ME	
Hofacker	Nicole	Greene	ME	
Hoffman	Colleen	Jim Thorpe	PA	
Hoglund	Jamie	Franklin	ME	
Holbrook	Sarah	Fort Fairfield	ME	
Hollen	H. Wiley	Buxton	ME	
Holmberg	David	Twin Lake	MI	
Holt	Heather	Gouldsboro	ME	
Holz	Jessica	Oakland	ME	
Hood	McKenzie	Bangor	ME	
Hooke	Steven	Bangor	ME	
Hooper	Megan	Mercer	ME	
Hopkins-Goodwin	Lucas	Wilton	ME	
Horne	Joshua	Jay	ME	
Horne	Sara-Lynn	Nashua	NH	
Horrigan	Shae	Sanford	ME	
Horton	Camilla	North Yarmouth	ME	
Hosford	Eliza	Bucksport	ME	
Houdeshell	Jordan	Ledyard	CT	
Houdlette	Taylor	Dresden	ME	
Hougham	Jacob	Limerick	ME	
Houp	Lindsay	Brewer	ME	
Houp	Megan	Hampden	ME	
Houston	Emma	Kingfield	ME	
Houston	Kelsey	Bucksport	ME	
Howard	Cassandra	Searsmont	ME	
Howatt	Ethan	Farmington	ME	
Howe	Abigail	Southwick	MA	
Howe	David	Stow	MA	
Howe-Poteet	Dimitrje	Glenburn	ME	
Howes	Lanie	Athens	ME	
Howlett	Brandon	Orono	ME	
Hoyle	Audrey	Alfred	ME	
Hoyle	Faith	Alfred	ME	
Hoyt	Corrin	South Berwick	ME	
Hubbard	Kennedy	Orono	ME	
Hubbard	Lauren	Augusta	ME	
Huff	James	Sullivan	ME	
Huffor	Cheyenne	Orono	ME	
Hughes	Amanda	Clifton	ME	
Hulst	Colin	Scarborough	ME	
Hummel	Victoria	Niederoesterreich		Austria
Hunter	Haley	Caribou	ME	
Hunter	Michael	Caribou	ME	
Hupper	Afton	Orono	ME	
Hurley	Madison	Arlington	MA	
Hurley	Nicole	Standish	ME	
Hurley	Patrick	Medford	NJ	
Hurrell	Megan	Saco	ME	
Hussey	Karah	Hudson	ME	
Hutchins	Andrew	Alna	ME	
Hutchins	Kaine	Dixfield	ME	
Hutchinson	Emma	Topsham	ME	
Hutchison	Cailey	Hicksville	NY	
Idelkope	David	Chesterfield	NH	
Inglis	Nicole	Medfield	MA	

Innes	Alexis	Biddeford	ME	
Ip	Brandon	Pembroke	MA	
Iselborn	Lucy	Scarborough	ME	
Jack	Simaiya	Taunton	MA	
Jackson	Carly	Amherst	NS	Canada
Jackson	Kayla	Baring Plt	ME	
Jackson	Madalyn	Hermon	ME	
Jackson	Stephen	Orono	ME	
Jackson	Teal	Bangor	ME	
Jacques	Jessica	North Reading	MA	
Jacques	Miranda	Milford	NH	
Jakins	Jordin	Newport	ME	
Jakubow	Nicole	New York	NY	
Jalbert	Ashlin	Springvale	ME	
James	Sarah Kate	York	ME	
Jandreau	Emma	Caribou	ME	
Jarry-Bolduc	Gabriel	Saint Jerome	QC	Canada
Jarvis	Kenedy	Presque Isle	ME	
Jasenski	Jessica	Tolland	CT	
Jeffrey	Benjamin	Orrington	ME	
Jeffrey	Clara	Orrington	ME	
Jenkins	Samuel	Old Orchard Beach	ME	
Jeppson	Jamie	Durham	ME	
Jeppson	Jon	Durham	ME	
Jerome	Evangeline	Topsham	ME	
Jesiolowski	Jessica	Hampden	ME	
Jiang	Hubert	San Francisco	CA	
Jimenez	Amanda	Westbrook	ME	
Johnson	Garrett	Holden	ME	
Johnson	Haloye	Kennebunk	ME	
Johnson	Hannah	Wrentham	MA	
Johnson	Jacob	Athens	ME	
Johnson	Logan	Calais	ME	
Johnson	Michael	Old Town	ME	
Johnson	Morgan	Holden	ME	
Johnson	Rachel	South Thomaston	ME	
Johnson	Samuel	Mount Desert	ME	
Jones	Andrew	Scarborough	ME	
Jones	Charles	Cape Elizabeth	ME	
Jones	Emily	Trescott Twp	ME	
Jones	Kayla	Wallingford	CT	
Jones	Sheraton	Anaheim	CA	
Jones	Tucker	Poland	ME	
Jones	Victoria	Elmira	NY	
Jones	William	Portsmouth	NH	
Jordan	Anna	Ellsworth	ME	
Jordan	Jacob	Ellsworth	ME	
Jordan	Nathaniel	Scarborough	ME	
Jordan	Nicholas	Waltham	ME	
Joy	Amanda	Smithfield	ME	
Joy	Gabriella	West Baldwin	ME	
Joy	Jacob	Brewer	ME	
Joy	Jarrold	Brewer	ME	
Joyce	Lindsey	Cushing	ME	
Judkins	Robert	Hampden	ME	
Kaiser	Kelly	Indianapolis	IN	
Kaiser	Lauren	Winthrop	ME	
Kalmus	Jordan	Brookfield	CT	

Kamorski	Laura	Levant	ME	
Kane	Ian	Fairport	NY	
Kaplan	Julie	South Glastonbury	CT	
Kaplan	Toni	South Berwick	ME	
Karam	Abram	Bangor	ME	
Karam	Gabriel	Bangor	ME	
Karas	Hanna	Hope	ME	
Karno	Rachel	Farmington	ME	
Karpa	Jessica	Birdsboro	PA	
Karris	Alexander	Hampden	ME	
Karunasiri	Chathu	Caribou	ME	
Karunasiri	Chaya	Caribou	ME	
Kaspala	Adam	Bangor	ME	
Kavanah	Grace	Readfield	ME	
Kay	John	Hingham	MA	
Kay	Matthew	Skowhegan	ME	
Kealey	Sean	Newburyport	MA	
Keefe	Cameron	Gray	ME	
Keefe	Lauren	Plympton	MA	
Keefner	Nicole	Great Barrington	MA	
Keeley	Margaret	Orono	ME	
Kehoe	Kelsey	Wilder	VT	
Keim	Summer	Dixfield	ME	
Keisman	Lauren	South Paris	ME	
Kelava	Anita	Zagreb		Croatia
Kelleher	Bradley	Amesbury	MA	
Keller	Frank	Scarborough	ME	
Kelley	Brian	Windham	ME	
Kelley	Jordan	Old Town	ME	
Kennedy	Alexander	Plaistow	NH	
Kennedy	Michael	Orono	ME	
Kennedy	Parker	Kingfield	ME	
Kenney	Tyler	Bangor	ME	
Kerbs	Caleb	Brooklyn	NY	
Kerrigan	Kaitlyn	Monmouth	ME	
Kerrigan	Shannon	Litchfield	NH	
Ketchen	Jacob	Cooper	ME	
Khan	Rukhsar	Bangor	ME	
Kiidli	Taaniel	South Portland	ME	
Kindler	Todd	Glenburn	ME	
King	Courtney	Augusta	ME	
King	Samantha	Fairfield	ME	
Kirbach	Anastasia	Bangor	ME	
Kirby	Allyson	Gray	ME	
Kirk	Katherine	Scarborough	ME	
Kleinhouse-Goldman	Tal	Nir Moshe		Israel
Klier	Klarissa	Methuen	MA	
Knafli	Meija	Ann Arbor	MI	
Knight	Christian	Biddeford	ME	
Knight	Dustin	Berwick	ME	
Knight	Rachel	Dixfield	ME	
Knous	Bailey	Franklin	MA	
Knowlton	Benjamin	Searsport	ME	
Knowlton	Nicole	Millinocket	ME	
Koehler	Benjamin	Orono	ME	
Koenigsberg	Ava	Portland	ME	
Kohtala	Hope	Poland	ME	

Koizar	Sigrid	Vienna		Austria
Kolbjornsen	Andrew	York	ME	
Koller	Angus	Monmouth	ME	
Koller	Hayden	Monmouth	ME	
Kong	Patrick	Fall River	MA	
Kong	Roathana	Old Town	ME	
Koops	Todd	Berlin	CT	
Kotosky	Thomas	Westborough	MA	
Kovalik	Nicholas	Stratford	CT	
Kowalsky	Makaila	Colchester	CT	
Kowash	Christopher	Saco	ME	
Koza	Dylan	Raymond	ME	
Krasnow	Samantha	Islesford	ME	
Krason	William	Bar Harbor	ME	
Krause	Thomas	Fort Fairfield	ME	
Kreider	Connor	Palmyra	ME	
Kress	Paul	Spotsylvania	VA	
Kreyssig	Stephannie	Milford	ME	
Krout	Gretchen	Fayette	ME	
Kucera	Brittany	Toronto	ON	Canada
Kuhlka	Birgit	Northfield	MA	
Kulinski	Anna	Monmouth	ME	
Kuun	Sierra	Kennebunkport	ME	
Kuusela	Branden	Gorham	ME	
L'Heureux	Allison	Springvale	ME	
Labbe	Desiree	North Waterboro	ME	
LaBrecque	Cameron	Bangor	ME	
Labun	Elizabeth	Hampden	ME	
LaClaire	Hannah	Turner	ME	
Lacroix	Cedric	Shefford	QC	Canada
Ladd	Cory	Millinocket	ME	
Ladd	Hannah	Somerville	ME	
Ladderbush	Emily	Lynn	MA	
Ladner	Justin	West Gardiner	ME	
Lagerstrom	Lindsey	Presque Isle	ME	
Laggis	Alexandra	Fairfield	VT	
LaGross	Ryan	Palmyra	ME	
Lajoie	Conner	Yarmouth	ME	
LaJoie	Nicholas	Van Buren	ME	
Lamb	Trevor	Lowell	MA	
Lamb-Wotton	Lukas	Orono	ME	
Lambert	Jacqueline	Presque Isle	ME	
Lambert	Parker	Presque Isle	ME	
Lambrecht	Mark	Kittery Point	ME	
Lamore	Amy	Monmouth	ME	
Lamoureux	Briana	Kittery	ME	
Lamphear	Westley	Inlet	NY	
Lamson	Andrew	Westbrook	ME	
Landon	Nathaniel	Bangor	ME	
Landry	Anna	Windham	ME	
Landry	Dylan	Weare	NH	
Landry	Seneca	Kennebunk	ME	
Lang	Tyler	Manchester	ME	
Langlais	Priscilla	Cranston	RI	
Laperle	John	Berlin	VT	
Lapham	Katrina	Belfast	ME	
Laplante	Erica	Scarborough	ME	
LaPointe	Chantel	Saint Agatha	ME	

LaPointe	Danielle	Sebago	ME	
LaPointe	Evan	Minot	ME	
Lappin	Olivia	Scarborough	ME	
Larence	Ciara	Northbridge	MA	
Larochelle	Katherine	Brewer	ME	
LaRose	Stefan	Cape Elizabeth	ME	
Lau	Jordan	Auburn	ME	
Lavigueur	Beatrix	Newport	RI	
Lavoie	Matthew	Amesbury	MA	
Lavoie	Vanessa	Van Buren	ME	
Lawrence	Rochelle	Hampden	ME	
Lawrence	Russell	South Thomaston	ME	
Leach	Madison	Easton	ME	
Leary	Colin	Saco	ME	
Leathers	Alex	Fairfield	ME	
LeBlanc	Forest	Oakland	ME	
Leclair	Joseph	Fairfield	ME	
Ledwith	Jordan	Norton	MA	
Lee	Andrew	East Waterboro	ME	
Lee	Jacynda	Bangor	ME	
Lee	Jennifer	Framingham	MA	
Lee	Moriah	Orono	ME	
Lee	Vanessa	Richmond	ME	
Leerburger	Kaitlyn	Riva	MD	
LeFave	Sarah	Exeter	NH	
Lefebvre	Edward	Freeport	ME	
Leighton	Deirdre	Manchester	NH	
Leighton	Thomas	Brewer	ME	
Lelievre	Jacob	Lebanon	ME	
Leman	Ava	South Berwick	ME	
Lemin	Elizabeth	Bangor	ME	
Lenentine	Taylor	Sidney	ME	
Lenfest	Eben	Smithfield	ME	
Lennon	Felicia	Brookfield	CT	
Lenson	Samuel	Natick	MA	
Leonard	Erika	Rocky Hill	CT	
Leonard	Patrick	Lowell	ME	
Leonard	Tori	Kennebunk	ME	
Leopold	Ruth	Wilton	ME	
Lesko	Daniel	Farmington	ME	
Lessard	Ethan	Gray	ME	
Lessard	Trevor	Greene	ME	
Letourneau	Adam	Old Town	ME	
Letourneau	Kathryn	Old Town	ME	
Levesque	Gavin	Caribou	ME	
Levesque	Nicholas	Fort Kent	ME	
Lewis	Alexandra	Raymond	ME	
Lewis	Linda	Bangor	ME	
Lewis	Taylor	Uncasville	CT	
Li	Jiarui	Cuyahoga Falls	OH	
Li	Ruiqi	Heze		China
Libby	Alyssa	Buxton	ME	
Libby	Holly	Exeter	ME	
Libby	Teresa	Orono	ME	
Lieberman	Kathryn	Old Town	ME	
Lichtenberg	Ian	Lincoln	ME	
Light	Melissa	Malden	MA	

Ligon	Stella	Hancock	ME	
Lima	Kyle	Ellsworth	ME	
Lindbom	Eric	York	ME	
Lindsay	Alexis	Orrington	ME	
Lindsay	Benjamin	Scarborough	ME	
Lindsley	Spencer	Bath	ME	
Little	Ruth-Ann	Glenburn	ME	
Littlefield	Briana	Freedom	ME	
Littlefield	Monica	Bangor	ME	
Livingston	Grace	Veazie	ME	
Lloyd	Matthew	Northborough	MA	
Lochowski	Andrew	East Haddam	CT	
Lodge	Susan	South Portland	ME	
Loewen	Matthew	Farmington	ME	
Lofin	Lori	Tampa	FL	
Logan	Madeline	Buxton	ME	
Logie	Devon	Linneus	ME	
Long	Jordyn	Limington	ME	
Longley	Christopher	Sidney	ME	
Lopes	Ryan	Waterville	ME	
Loranger	Matthew	Norton	MA	
Lord	Thomas	Yarmouth	ME	
Lorom	Robyn	Winterport	ME	
Loseby	Justin	White River Junction	VT	
Louder	Olivia	Ellsworth	ME	
Lovejoy	Noah	Turner	ME	
Loveless	Noah	Granby	CT	
Lovely	Brooke	Washburn	ME	
Lovely	Emmaline	Lebanon	ME	
Lowry	Heather	Alstead	NH	
Lucky	Karen	Hampden	ME	
Lucy	Colleen	Verona Island	ME	
Lueders	Emma	Canton	ME	
Luick	Shireen	New Sharon	ME	
Luken	Hannah	West Gardiner	ME	
Lunn	Johanna	Bangor	ME	
Lunn	Nicholas	Old Town	ME	
Luo	JiaJun	Bangor	ME	
Lupien	Claire	Waldoboro	ME	
Lupo	Holly	Orono	ME	
Luther	Alanna	Skowhegan	ME	
Luthin	Ethan	Orono	ME	
Lydick	Victoria	Saint John	IN	
Lynch	Marissa	Merrimack	NH	
Lynes	Brady	Westbrook	ME	
Lyons	Amy	Brunswick	ME	
Lyons	Michael	New Gloucester	ME	
MacAdam	Noah	Orono	ME	
MacGregor	Molly	Peabody	MA	
Machesney	Leala	Portland	ME	
Machia	Evalyn	Brookfield	CT	
MacIsaac	Megan	Milton	MA	
Mackenzie	Nathan	Bowdoinham	ME	
Mackie-Malcolm	Currenn	Stow	ME	
MacLellan	Ian	Wareham	MA	
Macolini	Kate	Wells	ME	
Madamombe	Tinashe	Harare		Zimbabwe
Madden	Patrick	Washington	ME	

Maddix	Hannah	Saco	ME	
Maddocks	Frederick	Dover Foxcroft	ME	
Magee	Sarah	Gilmanston	NH	
Magnusen	Jocelyn	Whitefield	ME	
Magnuson	Lauren	South Portland	ME	
Maguire	Jacob	Ellsworth	ME	
Mahar	Rachael	Pembroke	ME	
Mahoney	Margaret	Westborough	MA	
Maier	Michael	Thornton	NH	
Maines	Nicole	Portland	ME	
Mallett	Samuel	Lee	ME	
Mallory	Andrew	Gales Ferry	CT	
Mallory	Kalli	Brewer	ME	
Maloy	Maggie	Biddeford	ME	
Malvin	Jennifer	Greenbush	ME	
Manahan	James	Cumberland	ME	
Mancheva	Amanda	Sofia		Bulgaria
Manes	Marco	Newtown	CT	
Manley	Mary-Margaret	Manchester	ME	
Mann	Courtney	Greenville	ME	
Manning	Helen	Vernon	VT	
Mansell	Haley	Hampden	ME	
Manson	Hillary	Corinna	ME	
Mansour	Isaiah	Fairfield	CT	
Manzo	Katelyn	Etna	ME	
Marchio	Jacob	Opelika	AL	
Marcotte	Jonathan	Bangor	ME	
Marean	Emily	Westbrook	ME	
Marks	Delaney	Bucksport	ME	
Marley	Carrie	Hermon	ME	
Marquis	Kayla	Orono	ME	
Marsh	Sarah	Cambridge	MA	
Marshall	Grace	New Dominion	PE	Canada
Marshall	Hallie	Atco	NJ	
Martel	Andrew	Orono	ME	
Martel	Marissa	Westbrook	ME	
Martens	Lorin	Freeport	ME	
Martin	Chad	Saint Albans	ME	
Martin	Elijah	Manassas	VA	
Martin	Karin	Sanford	ME	
Martin	Lauren	Bradley	ME	
Martin	Paige	Bath	ME	
Martin	Rachel	Bradley	ME	
Martin	Teiga	Bremen	ME	
Mason	Ashley	New Harbor	ME	
Masse	Libbey	Brunswick	ME	
Massey	Kurt	Orrington	ME	
Masters	Molly	Orono	ME	
Mastico	Nathaniel	Hanson	MA	
Mata	Rafael	York	ME	
Matson	Samantha	Needham Heights	MA	
Mattas	Laura	Schenectady	NY	
Matteau	Alyson	Mirabel	QC	Canada
Maxwell	Harli	Lincoln	ME	
Maxwell	Kyle	Hampden	ME	
Maxwell	Mallory	Lee	ME	
Mayberry	Mikayla	Portland	ME	

McBreairty	Justin	Hermon	ME
McCaslin	Hunter	Winslow	ME
McCullough	Kaitlyn	Rockland	ME
McCurdy	Annalise	Lawrence	KS
McDermott	Grace	Groton	MA
McDonald	Alicia	Fryeburg	ME
McDonald	Jamie	Parsonsfield	ME
McDonald	Juliana	Orrington	ME
McDonald	William	Hermon	ME
McDonough	Hunter	North Pomfret	VT
McDougal	Danielle	Pownal	ME
McEachern	Cecelia	Ellsworth	ME
McEachern	Courtney	Medfield	MA
McEvoy	Sean	Orono	ME
McGee	Nicole	South Berwick	ME
McGill	Elijah	Windham	ME
McGinty	Ryan	Cumberland Center	ME
McGloin	John	Marshfield	MA
McGovern	Robert	South Weymouth	MA
McKim	Keegan	Trenton	ME
McLaughlin	Benjamin	Manchester	ME
McLaughlin	Kalee	Old Town	ME
McLaughlin	Mark	Hampden	ME
McLean	Sasha	Chebeague Island	ME
McLellan	Connor	Freeport	ME
McLellan	Nathan	Scarborough	ME
McLeod	Kasey	Swanville	ME
McMahon	Katherine	Old Town	ME
McMinis	Bennie	Wells	ME
McNally	Dana	Moose River	ME
McNally	Nicole	Kittery	ME
McNally II	Jeffrey	Gorham	ME
McPhail	Quinn	Windham	ME
McSwain	Arden	Edgecomb	ME
McWilliams	Emma	Pittsfield	ME
Meagher	Caitlyn	Dayville	CT
Mealey	Meaghan	Manchester	NH
Medeiros	Edward	Rehoboth	MA
Melcher	Arielle	Washington	DC
Melcher	Eloise	Bowdoin	ME
Melmed	Garvey	Greenbush	ME
Meltzer	Benjamin	West Bridgewater	MA
Melvin	Shania	Waldoboro	ME
Mensa	Ashley	Waterbury	CT
Menter	Alexander	Berwick	ME
Merchant	Erin	Windham	ME
Merchant	Taylor	Franklin	ME
Mercier	Kathryn	Sidney	ME
Meredith	Roy	Biddeford	ME
Merrifield	Hilary	West Rockport	ME
Merrill	Kaelie	Norridgewock	ME
Merrill	Nicole	Windham	ME
Meserve	Kayla	Jay	ME
Messina	Nicholas	Derry	NH
Metcalf	Christina	West Baldwin	ME
Meuse	Zachary	Atkinson	NH
Michaud	Andrew	Presque Isle	ME
Michaud	Kayla	Howland	ME

Michaud	Kristopher	Caribou	ME
Michaud	Matthew	Greenwood	ME
Michaud	Sawyer	Belgrade	ME
Michaud	Trevor	New Gloucester	ME
Michel	Adam	Arundel	ME
Michelson	Rose	Buxton	ME
Mickelinc	Charlotte	Marshfield	ME
Mickiewicz	Jackman	South Portland	ME
Mickles	John	Orono	ME
Midura	Natalie	Chelmsford	MA
Mildrum	Hannah	Falmouth	ME
Miles	Daniel	Acton	ME
Miller	Cassandra	Pittsfield	ME
Miller	Emily	Bowdoin	ME
Miller	Forrest	Holden	ME
Miller	Ian	Orono	ME
Miller	Jasmine	Show Low	AZ
Miller	Katherine	Rockwood	ME
Miller	Michelle	Bangor	ME
Milliken	Brigitte	Bowdoinham	ME
Mills	Abigail	Scarborough	ME
Mills	Emily	Holden	ME
Mills	Robert	Bangor	ME
Milner	Carrie	Belfast	ME
Minieri	Jennifer	Old Town	ME
Mininni	Anna	Biddeford	ME
Misner	Nicole	Tampa	FL
Mitchell	Mikayla	Brewer	ME
Mitman	Ivy	Strong	ME
Mogul	Jules	Bangor	ME
Molinero	William	Bangor	ME
Molt	Logan	Damariscotta	ME
Mondor	Amber	Biddeford	ME
Monteyro	Braden	Pittsfield	ME
Moody	Amelia	Calais	ME
Moon	Amber	Brewer	ME
Moon	Kelsey	Simsbury	CT
Moon	Molly	Bar Harbor	ME
Moon	Morgan	West Enfield	ME
Mooney	Alexandria	Millinocket	ME
Moore	Emily	Wrentham	MA
Moore	Madeleine	Orono	ME
Moore	Michayla	North Attleboro	MA
Moore	Nathan	Patten	ME
Moran	Andrew	Randolph	ME
Moran	Haleigh	Sidney	ME
Moran	Lindsey	Orono	ME
Morefield	Robert	Penobscot	ME
Morgan	Abigail	Bowdoin	ME
Morgan	Annie	Orono	ME
Morgan	Cara	Exeter	ME
Morgan	Hannah	Gardiner	ME
Morin	Blaine	Sanford	ME
Morin	Chad	Turner	ME
Morin	Mikayla	South Paris	ME
Morin	Trevor	Scarborough	ME
Morneault	Julie	Sabattus	ME

Morrill	Aidan	Kittery	ME	
Morrill	Coulter	Gainesville	VA	
Morris	Alexandra	East Walpole	MA	
Morris	Jacob	Hinesburg	VT	
Morris	Mallori	Bridgeport	CT	
Morris	Matthew	Veazie	ME	
Morrison	Aaron	Ellsworth	ME	
Morrison	Gregory	Windham	ME	
Morrison	Tessali	Springvale	ME	
Morton	Bailey	Rehoboth	MA	
Morton	Kaeleigh	Yarmouth	ME	
Morton	Kristina	Bridgton	ME	
Mosher	Brianna	Monmouth	ME	
Motey	Fanny	Old Town	ME	
Mower	Kirstie	Dexter	ME	
Moyer	Ryan	Freeport	ME	
Muehlbauer	Keith	Apple Valley	MN	
Muggeo	Brian	Harrington Park	NJ	
Mullen	Tara	Nottingham	NH	
Mulvey	Christopher	Wappingers Falls	NY	
Munson	Julianne	Branford	CT	
Murdaugh	Kayla	Old Town	ME	
Murdza	Robert	Hanover	NH	
Murphy	Christopher	Kingfield	ME	
Murphy	Gabrielle	Rigaud	QC	Canada
Murphy	Hannah	Southwest Harbor	ME	
Murphy	Kathleen	Bass Harbor	ME	
Murphy	Meghan	Saco	ME	
Murphy	Olivia	Old Orchard Beach	ME	
Murray	Lydia	Orono	ME	
Murray	Michaela	Bar Harbor	ME	
Murray	Theresa	Burlington	MA	
Muzembe	Takunda	Old Town	ME	
Myhaver	Casey	Gray	ME	
Nadeau-Carney	Vie	Biddeford	ME	
Naglestad	Beate	Son		Norway
Nagy	Jason	Gorham	ME	
Nappi	Aric	Westbrook	ME	
Naranja	Antonio	Fort Kent	ME	
Nardello	Marisa	Wolfeboro	NH	
Natsios	Elizabeth	Dracut	MA	
Nazar	Eleanor	Readfield	ME	
Neal	Jacob	Aurora	ME	
Nelson	Anika	Hampton Falls	NH	
Nelson	Cooper	Dover Foxcroft	ME	
Nelson	Janelle	Millinocket	ME	
Neptune	Leigh	Indian Island	ME	
Netherton	Haley	Fishers	IN	
Newcomb	David	Eatontown	NJ	
Newland	Cameron	East Burke	VT	
Newman	Michael	Ellsworth	ME	
Newton	Douglas	Marshfield	MA	
Nguyen	Duc	Ho Chi Minh City		Vietnam
Nichols	Emma	Lewiston	ME	
Nichols	Jenna	Sanford	ME	
Nickerson	Brittney	Dedham	ME	
Nickerson	Gabrielle	Holden	ME	
Nickerson	Hannah	Holden	ME	

Nickerson	Shelby	Dexter	ME	
Nicolo	Laura	Lebanon	ME	
Niehoff	Erin	Blue Hill	ME	
Nielsen	Jason	Windham	ME	
Nightingale	Lauren	Bangor	ME	
Nikachin	Igor	Mapleton	ME	
Noble	Charlee	Norway	ME	
Noble	Uriah	Sanford	ME	
Noel	Holly	Uxbridge	MA	
Norman	Justin	Sanford	ME	
Norris	Braydon	Holden	ME	
Norris	Nathaniel	Enfield	CT	
Norton	Daniel	Amesbury	MA	
Norwood	Sanna	Ellsworth	ME	
Nosel	Elise	Gouldsboro	ME	
Nutter	Lindsay	Plymouth	ME	
O'Brien	Aidan	Nobleboro	ME	
O'Gorman	Austin	Rutland	VT	
O'Gorman	Samantha	Natick	MA	
O'Keefe	Tyler	Fryeburg	ME	
O'Neil	Nicole	South Berwick	ME	
O'Rourke	Madison	Orono	ME	
Oakes	Nichole	Frenchville	ME	
Oberink	Sarah	Yarmouth	ME	
Obih	Shirley	Lagos		Nigeria
Ogden	Katrina	Attleboro	MA	
Ogden	Megan	Bristol	VT	
Oleson	Ashley	Ellsworth	ME	
Olivari	Meredith	Orono	ME	
Olsen	Anna	Pittsfield	ME	
Orchanian	Jonathan	Burlington	MA	
Orvik	Cody	Watertown	MA	
Osborne	Jake	Burlington	ON	Canada
Oswald	Adelle	Peru	ME	
Ouellette	Cameron	Orono	ME	
Ouellette	Taylor	Turner	ME	
Outing	Morgan	Caribou	ME	
Outman	Susan	Monroe	ME	
Outwater	Timothy	Millbrook	NY	
Overturf	Kaj	Corinth	ME	
Owen	Henry	Camden	ME	
Owens	Robert	Winthrop	ME	
Page	Cassandra	Wells	ME	
Page	Emily	Limington	ME	
Paisker	Mitchell	Pittstown	NJ	
Palangas	Sophia	Weare	NH	
Paliwoda	Ryan	Berkeley Heights	NJ	
Palken	Gregory	Northborough	MA	
Palmer	Jacqueline	Bangor	ME	
Palmer	Kylie	Dixfield	ME	
Palmeter	Zechariah	Orono	ME	
Palomo	Cynthianna	Walkersville	MD	
Pan	Yuncheng	Maanshan		China
Pappalardo	Jake	Salem	NH	
Paradie	Emma	Auburn	ME	
Paradis	Daniel	Sidney	ME	
Paradis	Hannah	Minot	ME	

Paradis	Josiah	Belgrade	ME
Paradis	Kylie	Lebanon	ME
Paradise	Rigel	Kennebunk	ME
Paris	Jonah	Falmouth	ME
Parr	Michael	Dedham	MA
Parry	Kyle	Gales Ferry	CT
Patel	Nisha	Sanford	ME
Paterson	Andrew	Mapleton	ME
Patnaude	Joshua	Sanford	ME
Patterson	Amelia	Wellfleet	MA
Paul	Jenna	Arundel	ME
Paul	Kaitlin	Indian Island	ME
Pawlicki	Anthony	Buffalo Grove	IL
Paye	Laura	Westfield	MA
Peacock	June	Chevy Chase	MD
Peacock	Mackenzie	Weare	NH
Pease	Abigail	York	ME
Pease	Zachary	York	ME
Pedersen	Ryan	Whitefield	ME
Peerson	Cole	Amesbury	MA
Pelkey	Donna	Glenburn	ME
Pelkey	Robin	New Gloucester	ME
Pellerin	Morgan	Waterville	ME
Pelletier	Kali	Ashland	ME
Pelletier	Michelle	Topsham	ME
Peltier	Jayson	Plymouth	MA
Pendleton	Elliott	Rockport	ME
Pennington	Olivia	Waldoboro	ME
Pepin	Taylor	Sanford	ME
Perez	Faith	Clinton	MA
Perez	Jessica	Granada Hills	CA
Perkins	Daniel	Bangor	ME
Perkins	Sarah	Merrimack	NH
Perry	Abigail	Silver Ridge Twp	ME
Perry	Christopher	North Yarmouth	ME
Perry	Daniel	Keller	TX
Perry	Ember	Orrington	ME
Perry	Galen	Bangor	ME
Perry	Kathleen	Bow	NH
Perry	Kayla	Eliot	ME
Perry	Maura	Cumberland Center	ME
Perry	Nathan	Eddington	ME
Peters	Brenden	Orono	ME
Peterson	Amy	West Boylston	MA
Peterson	Anthony	Eliot	ME
Peterson	Benjamin	Hollis Center	ME
Peterson	Brandon	Bowdoinham	ME
Pettegrow	Dakota	Orrington	ME
Pettegrow	Patrick	Orrington	ME
Phelan-Soper	Christopher	Bucksport	ME
Philippone	Maura	Camillus	NY
Picard	Sarah	Saco	ME
Piccininni	Stephanie	Colonia	NJ
Pickup-Diligenti	Athena	Bethesda	MD
Pieper	David	Saint Paul	MN
Pierce	Samuel	Portland	ME
Pietri	Brooke	New Sharon	ME
Pike	Kurtus	Bangor	ME

Pike	Megan	Brewer	ME
Pina	Jason	Old Town	ME
Pinkham	Amy	Sidney	ME
Pinnette	Nicole	Waterville	ME
Piper	Kathryn	Manchester	MD
Pirruccello-McClellan	Aidan	Foster	RI
Pleau	Sarah	Vassalboro	ME
Plourde	Adya	Eliot	ME
Plourde	Kaitlin	Portland	ME
Plourde	Reanna	Caribou	ME
Plumer	Kiana	Gorham	ME
Plummer	Evan	Gray	ME
Poirier	Sarah	Old Orchard Beach	ME
Poisson	Rachel	Bangor	ME
Poissonnier	Taylor	Sidney	ME
Poland	Ashley	Boothbay	ME
Poland	Jacob	Augusta	ME
Poli	Taylor	Waldoboro	ME
Pollard	Jeffrey	Raymond	ME
Pollard-Ranco	Ann	Orono	ME
Pollock	Tyler	Brewster	NY
Pominova	Mariya	Bedford	MA
Poratti	Samantha	Essex Junction	VT
Portante	Ariana	Brewster	NY
Porter	Gianna	Whiting	ME
Postell	Hanna	Presque Isle	ME
Pothier	Connor	Biddeford	ME
Poulin	Ciera	Fairfield	ME
Poulin	James	South China	ME
Poulin	Sarah	South China	ME
Pouliot	Grace	South Berwick	ME
Pow	Korey	Kennebunk	ME
Power	Cooper	New Gloucester	ME
Powers	Lauren	New York	NY
Pratt	Jamie	Barrington	NH
Pratt	Mitchell	Hampden	ME
Pratt-Holt	Nathan	Farmington	ME
Preble	Lucas	Jay	ME
Preble	Rachel	Safety Harbor	FL
Prescott	Katherine	Houlton	ME
Prescott	Matthew	Camden	ME
Prest	Jacob	West Roxbury	MA
Price	Karlee	Winslow	ME
Price	Timothy	Kennebunk	ME
Pride	Kathleen	Scarborough	ME
Proctor	Elizabeth	Newbury	MA
Proctor	Jasmine	Lisbon Falls	ME
Proulx	Mark	Eddington	ME
Proulx	Rachael	Hermon	ME
Pulver	Jeffrey	Vassalboro	ME
Purgiel	Andrew	South Berwick	ME
Pusey	Colm	Kennebunk	ME
Pushard	Benjamin	Brewer	ME
Pyke	Christopher	Sandwich	MA
Quimby	Benjamin	Old Town	ME
Quimby	Elise	Troy	ME
Quinlivan	Lauren	Killarney	Ireland

Quinn	Elizabeth	Columbus	OH	
Quintal	Laura	Sagamore	MA	
Racine	Stephen	Auburn	MA	
Raffier	Kaitlyn	Jacksonville	FL	
Rahman	Auyon	Dhaka		Bangladesh
Rahmatullah	Waleed	Waterville	ME	
Rainey	Zoe	Manchester	NH	
Ramirez	Briel	Boston	MA	
Ramsay	William	South Berwick	ME	
Rancourt	Michael	Bangor	ME	
Rancourt	Olivia	Augusta	ME	
Rand	Colby	Orrington	ME	
Randall	Sean	Portland	ME	
Ransom	Noah	Windham	ME	
Raphael	Nicole	Boxford	MA	
Raugh	Ian	Laurel	MD	
Raymond	Cameron	Lewiston	ME	
Raymond	Kaylyn	Hermon	ME	
Raymond	Kristi	Bangor	ME	
Re	Bridget	Pittsburgh	PA	
Reading	Liam	Bangor	ME	
Redmon	Morgan	Freeport	ME	
Redmond	Jillian	Orono	ME	
Reed	Daniel	New Sharon	ME	
Reed-Abbott	Erin	Bangor	ME	
Reese	Helen	Falmouth	ME	
Reichel	Kristina	Hampden	ME	
Reid	Stephen	York	ME	
Reilly	Alessandra	Merrick	NY	
Reinhardt	Amelia	Tenants Harbor	ME	
Renfro	Brian	Hartland	VT	
Rennels	Mitchell	Medina	OH	
Rhoads-Doyle	Jamison	Holden	ME	
Rice	Lauren	Harpswell	ME	
Rice	Nathan	Hampden	ME	
Richard	Anna	Wareham	MA	
Richards	Chelsea	Brewer	ME	
Richards	Jordan	Orono	ME	
Richardson	Julia	Windham	ME	
Rideout	Angela	Newburgh	ME	
Rideout	Faith	Oxford	ME	
Rideout	Jack	Portland	ME	
Rider	Julia	Brunswick	ME	
Ridge	Leah	Gray	ME	
Ridley	Kendra	Ottawa	ON	Canada
Ring	Marie	Topsham	ME	
Rinne	Claire	Walpole	MA	
Riquier	Breana	Pembroke	ME	
Risinger	Mark	Hermon	ME	
Ritter	Tyler	Jay	ME	
Rivernider	Rebecca	Oxford	MA	
Roach	Alec	Danvers	MA	
Roach	Haleigh	Cumberland Center	ME	
Roach	Julie	Holden	ME	
Roach	Taylor	Cumberland Center	ME	
Robbins	Charity	Howland	ME	
Robe	James	Waterville	ME	
Rober	Michael	Concord	MA	

Roberts	Gwyneth	Cape Elizabeth	ME
Roberts	Laura	Brandon	VT
Roberts	Marissa	Gorham	ME
Roberts	Miranda	Hermon	ME
Roberts	Nicholas	Arundel	ME
Robertson	River	Bucksport	ME
Robichau	Benjamin	Monmouth	ME
Robinson	Emily	Lincoln	ME
Robinson	Garrett	Eliot	ME
Robinson	Kaitlyn	Frankfort	ME
Robinson	Malik	Bangor	ME
Robison	Alexander	Falmouth	ME
Robitaille	Melanie	Jay	ME
Robson	Benjamin	Northport	ME
Rocha	Timothy	Kensington	NH
Rockwood	Nathan	Ellsworth	ME
Rodas	Darissa	North Providence	RI
Roderick	Alexandra	Brunswick	ME
Roderick	Christopher	Orono	ME
Rodionov	Alexander	Bangor	ME
Rogers	Andrew	Colchester	VT
Rogers	Luke	Portland	ME
Roland	Elin	Portland	ME
Roldan	Fernando	Hartford	CT
Rolfe	Bryce	Windham	ME
Rolfe	Taylor	Fairfield	ME
Rollins	Tyler	South China	ME
Roman	Michael	Bangor	ME
Romanoski	Reilly	Strong	ME
Romick Barrell	Joseph	Milford	CT
Romprey	Alicyn	Saco	ME
Rondeau	David	West Springfield	MA
Roney	Abigail	Freeport	ME
Roney	Ethan	Freeport	ME
Ronzo	Ashley	Scarborough	ME
Rose	Helen	Farmington	CT
Ross	Christina	Cape Elizabeth	ME
Rossignol	Parise	Van Buren	ME
Round	Samantha	Veazie	ME
Rovito	Erica	Bangor	ME
Rowley	Amber	Howland	ME
Roy	Jaime	Orrington	ME
Roy	Mikayla	Howland	ME
Roy	Patrick	Elkridge	MD
Roy	Taylor	Holden	ME
Ruel	Nathan	Kennebunk	ME
Ruhlin	Olivia	Cornish	ME
Ruopp	Paul	Monmouth	ME
Russell	Ashley	Readfield	ME
Russell	Emily	Whitefield	ME
Russell	Richard	Jefferson	MA
Russell	Stephanie	Bangor	ME
Ryan	Carolyn	Melrose	MA
Ryan	Lauren	Babylon	NY
Ryan	Maria	Sudbury	MA
Ryan	Olivia	Portland	ME
Ryan	Timothy	Holliston	MA

Rybczyk	Jack Henry	Greenfield	MA	
Sabourin	Mary	Stow	MA	
Sailor	Stephanie	Old Town	ME	
Sakundiak	Morgan	Cochrane	AB	Canada
Salkind	Joshuah	Easton	ME	
Sampson	Evan	Portland	ME	
Samson	Amy	Waterville	ME	
Sanborn	Madeline	North Waterboro	ME	
Sanborn	Shannon	Standish	ME	
Sansoucie	Mikaella	South Berwick	ME	
Santomango	Sierra	Greene	ME	
Santos	Christopher	Ramsey	NJ	
Sargent	Ashlee	Holden	ME	
Sargent	Jamie	Scarborough	ME	
Saucier	Samantha	Saco	ME	
Sauer	Madison	Norwich	CT	
Saunders	Thomas	Swanville	ME	
Savage	Sierra	Winslow	ME	
Savage	Spencer	Caribou	ME	
Savard	Isaac	Minot	ME	
Schaff	Benjamin	Oakland	ME	
Schaff	Joshua	Oakland	ME	
Schanck	Andrew	Bangor	ME	
Schena	Christopher	Middleton	MA	
Schlabig	Daniel	Bangor	ME	
Schlichting	Dylan	West Springfield	MA	
Schmidt	Casey	Troy	MI	
Schmitt	Amy	Concord	NH	
Schnee	Julia	Rome	ME	
Schneider	Adeline	Bowdoinham	ME	
Schneider	Johannes	Laufen		Germany
Schneider	Lydia	Bowdoinham	ME	
Schnetzer	Michael	Belfast	ME	
Schnorr	Ming Feng	Dixfield	ME	
Schoff	Alli	Kittery	ME	
Schrader	Derrek	Orono	ME	
Schwarze	Samira	Schwalmtal		Germany
Scott	Grace	Abingdon	VA	
Scott	Jessica	Winthrop	ME	
Scott	Ryan	Belgrade	ME	
Scott	Sidney	Hampton	NH	
Scott-Mitchell	Abigail	Naples	ME	
Scoville	Jordan	Orono	ME	
Scully	Allison	Waterville	ME	
Scully	Bennett	Edgecomb	ME	
Searles	Jacob	Orono	ME	
Sears	Stephanie	Bristol	CT	
Seekins	Brittany	Pittsfield	ME	
Seekins	John	Belfast	ME	
Seeley	Kassidy	Jonesboro	ME	
Segal	Jacob	Windham	ME	
Segee	Samuel	Old Town	ME	
Seile	Nicholas	Augusta	ME	
Sender	August	Waldo	ME	
Seneres	Kenneth	Saco	ME	
Seneres	Kent	Saco	ME	
Senesac	Calvert	Colchester	CT	
Senese	Donald	Mahopac	NY	

Seney	Sydney	Egg Harbor City	NJ
Sennick	Abigail	New Sharon	ME
Sentayehu	Amanuel	Westbrook	ME
Serbent	Todd	Waterville	ME
Sereyko	Kasha	Lowell	ME
Seuch	James	Trumbull	CT
Severson	Kristi	Waldoboro	ME
Sewell	Erica	Eliot	ME
Seymour	Carly	Orrington	ME
Seymour	Jason	South China	ME
Shaughnessy	Abigale	Enfield	CT
Shaw	Olivia	Detroit	ME
Shea	Austyn	Concord	NH
Shea	Ian	Brownfield	ME
Shea	Lexington	Montpelier	VT
Shea	Michael	Biddeford	ME
Shean	Juliette	Shelburne Falls	MA
Shelley	Sara	Cortlandt Manor	NY
Shen	Zhecheng	Orono	ME
Shepherd	Samuel	Hallowell	ME
Sheridan	Reed	Chester	NH
Sherman	Hannah	Hodgdon	ME
Shields	Connor	Buxton	ME
Shipsey	Olivia	Arrowsic	ME
Shortt	Cullen	Bangor	ME
Shuman	Megan	Bangor	ME
Sickles	Braeden	Orrington	ME
Siegel	Jacob	Union	ME
Sikora	Cowan	Sandyston	NJ
Siladi	Skye	Montville	ME
Silke	Angela	Dixmont	ME
Simensky	Joshua	Falmouth	ME
Simpson	Bentley	Winterport	ME
Simpson	Taylor	Bangor	ME
Sinclair	Jacob	Harmony	ME
Siraco	Josef	Eliot	ME
Sirois	Emilee	Caribou	ME
Sirois	Jonathan	Hermon	ME
Sirois	Rachel	Winslow	ME
Skop	Madeline	Falmouth	ME
Skvorak	Katherine	Windham	ME
Sky	Lindsay	Cherry Hill	NJ
Smaha	Sarah	Portland	ME
Small	Joel	Brewer	ME
Small	Katherine	Bangor	ME
Small	Stanley	Hampden	ME
Small	Victoria	Gorham	ME
Smestad	Anna	Corinna	ME
Smiddy	Winston	Wiscasset	ME
Smith	Andrea	Jackson	ME
Smith	Benjamin	Old Town	ME
Smith	Benjamin	Westbrook	ME
Smith	Brendan	Manchester	NH
Smith	Gabriel	Winslow	ME
Smith	Gabrielle	Mechanic Falls	ME
Smith	Grace	Holden	ME
Smith	Javahn	Orono	ME

Smith	Judson	Dover Foxcroft	ME
Smith	Marissa	Farmingdale	ME
Smith	Melissa	Orrington	ME
Smith	Reagan	Holden	ME
Snyder	Lucas	Westbrook	ME
Soctomah	Mali	Princeton	ME
Sojka	John	Hudson	NH
Sol	Jacob	Livermore	ME
Sole	Laia	Igualada	
Sollberger	Cory	Berwick	ME
Soohey	Robert	Whitefield	ME
Soohey	Stephen	Whitefield	ME
Soucy	Allison	Van Buren	ME
Soule	Keenan	Hampden	ME
Southworth	Kailey	Pawtucket	RI
Souza Cunha	Ana Eliza	Orono	ME
Spalla	Arielle	Yorktown	VA
Spang	Forrest	Bangor	ME
Spear	Mitchel	Baileyville	ME
Speed	Heather	Corinth	ME
Spencer	David	Chevy Chase	MD
Spencer	Gretchen	Hermon	ME
Spezia	Anne	Eliot	ME
Spitzfaden	Anna	Roschbach	
Sprangers	Nathan	Orono	ME
Springer	Paul	Lincoln	ME
Spurdens	Guinevere	Plattsburgh	NY
St Denis	Michael	Orono	ME
St Jarre	Matthew	Randolph	ME
St Jean	Jocelyn	Stillwater	ME
St John	Ashley	Raymond	NH
St Peter	Mitchell	Caribou	ME
St Pierre	Aaron	Winthrop	ME
St Pierre	Bailey	Caswell	ME
St-Pierre	Danielle	Clifton Park	NY
St-Pierre	Marc	Clifton Park	NY
Stange	John	Peaks Island	ME
Stanko	Jacob	Manchester	NH
Stanley	Caileb	York	ME
Stansfield	David	Berwick	ME
Staples	Jessica	Auburn	ME
Stark	Samuel	Falmouth	ME
Stasiak	Lena	Milwaukee	WI
Stable	Emily	Amherst	NH
Stenger	Matthew	Sebago	ME
Stephens	Kendra	Woodland	ME
Stephens	Meredith	Derwood	MD
Stern	Marshelle	Bangor	ME
Stetson	Hannah	Clinton	ME
Stevens	Bethany	Clarks Summit	PA
Stevens	Cody	Oakland	ME
Stevens	Emily	Hampden	ME
Stevens	Jacob	Monmouth	ME
Stevens	James	Oakland	ME
Stevens	Jessica	Orrington	ME
Steward	Austin	Colebrook	NH
Stewart	Brittany	Milford	ME
Stewart	James	North Berwick	ME

Spain

Germany

Stewart	Kaitlin	Louisville	OH	
Stewart	Liam	Gray	ME	
Stewart	Matthew	Hooksett	NH	
Stiles	Davina	Bucksport	ME	
Stiles	Hattie	Eliot	ME	
Stinson	Katrina	Bangor	ME	
Stinson	McKinley	Brunswick	ME	
Stockford	Griffin	Bowdoinham	ME	
Stoddard	Kimberly	Danforth	ME	
Stojiljkovic	Ilija	Nis		Republic of Serbia
Stokes	Liam	Augusta	ME	
Stolo	Jacqueline	Alfred	ME	
Stone	Jessica	Gilmanton Iron Works	NH	
Stovall	Ryan	Glenburn	ME	
Stronach	Rachel	Tewksbury	MA	
Stronach	Renee	Tewksbury	MA	
Struba	Anna	Belfast	ME	
Stuckey	Eric	Bowdoinham	ME	
Sturrock	Erica	Brewer	ME	
Stutzman	Jacob	Harmony	ME	
Su	Jie	Yuyao		China
Sudbeck	Dakota	Hampden	ME	
Sullivan	Alexander	Kennebunkport	ME	
Sullivan	Cameron	Old Town	ME	
Sullivan	Fawn	Hermon	ME	
Sullivan	John	Scarborough	ME	
Sullivan	Michael	Gorham	ME	
Sullivan	Odis	Winn	ME	
Sulloway	Wesley	Bridgton	ME	
Sutton	Shannon	Raymond	ME	
Sweet	Julia	Orono	ME	
Swengel	Trent	Leeds	ME	
Swenson	Katherine	Oakland	ME	
Swimm	Olivia	Fayette	ME	
Tabachnick	Elijah	Portland	ME	
Taff	Nathan	Orono	ME	
Talamelli	Alyssa	West Haven	CT	
Talon	Ashley	Bangor	ME	
Tan	Shuai Ni	Changsha		China
Tandy	Marisa	Brewer	ME	
Tanguay	Alexa	Brewer	ME	
Tanner	Tiffany	Brunswick	ME	
Tanous	Derrick	East Millinocket	ME	
Tapley	Chase	Lewiston	ME	
Tapley	Sierra	Bar Harbor	ME	
Tardiff	Brandon	Chelsea	ME	
Tarr	Emily	Holden	ME	
Tavares	Victoria	Rumford	RI	
Taylor	Brian	Falmouth	ME	
Taylor	Lance	Standish	ME	
Taylor	Lindsay	Rockport	ME	
Tefft	Mackenzie	Surry	ME	
Tero	Benjamin	Portland	ME	
Terren Plaza	Eduardo	Madrid		Spain
Terry	Jacob	Scarborough	ME	
Terry	Samuel	Scarborough	ME	
Terwilliger	David	Cape Elizabeth	ME	

Thacker	Alexander	South Deerfield	MA	
Thayer	Amanda	New Gloucester	ME	
Theriault	Benjamin	Salisbury	MA	
Theriault	Elizabeth	Saint David	ME	
Theriault	Kathryn	Hampstead	NH	
Theriault	Kody	Connor Twp	ME	
Theriault	Lindsay	Minot	ME	
Theriault	Zachary	Cumberland Center	ME	
Thibault	Jaymi	Lewiston	ME	
Thibodeau	Arend	Harmony	ME	
Thibodeau	Julie	Brooks	ME	
Thibodeau	Kristen	Hampden	ME	
Thibodeau	Matthew	Turner	ME	
Thibodeau	Nicholas	Old Town	ME	
Thielen	Cynthia	Surry	ME	
Thistle	Hannah	Auburn	ME	
Thoman	Todd	Spring Grove	PA	
Thomas	Holly	Kingfield	ME	
Thomas	Seth	Kingfield	ME	
Thomas	Walker	Sidney	ME	
Thompson	Kristin	Orono	ME	
Thorne	Haley	Steep Falls	ME	
Thornton	Sarah	Lincoln	ME	
Threeton	Kendra	South Berwick	ME	
Throckmorton- Hansford	Phoenix	Somerville	ME	
Tidd	Morgan	Eddington	ME	
Tiemann	Rosa	Dover Foxcroft	ME	
Tierney	Kylie	Cypress	CA	
Tilton-Flood	Lilla	Clinton	ME	
Tiner	Brittany	Waterville	ME	
Tingley	Lauren	Madawaska	ME	
Tinsman	Ashley	Cape Elizabeth	ME	
Toothaker	Alec	Ellsworth	ME	
Toothaker	Andrew	Newburgh	ME	
Toothaker	Zandalee	Orono	ME	
Torchia	Brittany	Jewett City	CT	
Torrey	Brandon	Columbia	ME	
Torrey	Meredith	Old Town	ME	
Toth	Emma	Sandown	NH	
Towle	Brittany	Glenburn	ME	
Towle	Tanner	Smithfield	ME	
Towne	Julia	Kennebunk	ME	
Tracy	Samantha	Farmington	ME	
Trask	Jacob	Winslow	ME	
Trask	Nathaniel	Vassalboro	ME	
Treadwell	Sarah	Carmel	ME	
Tremblay	Isaac	Mariaville	ME	
Triglione	Michael	Bridgton	ME	
Trombley	Alyssa	Mapleton	ME	
Trueblood	Dylan	Durham	NH	
Trujillo	Erick	Greenville	ME	
Trytek	Benjamin	Mechanic Falls	ME	
Tuano	Ryan	South Berwick	ME	
Tufts	Catherine	Church Point	NS	Canada
Turcotte	Tyler	Wales	ME	
Turgeon	Kasidy	Chelsea	ME	
Turlo	Emma	Hampden	ME	

Turner	Bailey	Windham	ME	
Turner	Echo	Orono	ME	
Turner	Nicholas	Brewer	ME	
Turner	Olivia	West Gardiner	ME	
Twist	Jill	Belgrade	ME	
Tyrina	Anna	Orono	ME	
Tyrrell	Emily	Scarborough	ME	
Underwood	Tristan	Wilton	ME	
Urquhart	Alyssa	Alna	ME	
Uteuova	Aliya	Astana		Kazakhstan
Uwaechia	Bryan	Auburn	ME	
Vaccaro	Isaac	Kennebunk	ME	
Vafiades	Jared	Corinth	ME	
Vaillancourt	Sarah	Milford	ME	
Valle	Kohl	Falmouth	ME	
Vallotton	Jessica	Glenboro	MB	Canada
Van Goffrier	Graham	Norwell	MA	
Van Gorden	Rachel	Stillwater	NJ	
van Kampen	Emma	Brunswick	ME	
VanDerAa	Owen	Acton	MA	
Vandez	Steven	Old Town	ME	
Varanelli	Joseph	Riverton	CT	
Varga	Samuel	Orono	ME	
Varney	Hannah	Turner	ME	
Vear	Aysha	Winslow	ME	
Vega	Aleksandar	Newburgh	ME	
Veiga	Max	Groton	CT	
Venema	Taylor	Everett	WA	
Venner-Johnston	Anisa	Essex Junction	VT	
Verrill	Timothy	Carmel	ME	
Vertullo	Louis	Medway	MA	
Verzoni	Anthony	Scarborough	ME	
Vibert	Olivia	Unionville	CT	
Vickers	Jonathan	South Portland	ME	
Vincze	Sarah	Vernon Rockville	CT	
Violette	Emelynn	Brewer	ME	
Voisine	Kara	Corinth	ME	
Wade	Jessica	Hermon	ME	
Wadling	Fanny	Saltsjo-Boo		Sweden
Waible	Stephen	Nashua	NH	
Wainer	Sarah	Glenburn	ME	
Walden	Judson	Old Town	ME	
Walker	Dean	Caribou	ME	
Wallace	Ivy	Lamoine	ME	
Waller	Lindsay	Riverside	RI	
Walsh	Allan	Oakland	ME	
Walsh	Brendan	Hermon	ME	
Walsh	Brianna	Kennebunkport	ME	
Walton	Benjamin	Ellsworth	ME	
Ward	Emily	Tolland	CT	
Ward	Kiana	Biddeford	ME	
Ward	Michelle	Biddeford	ME	
Ward	Spencer	Lewiston	ME	
Wardwell	Alyssa	Limerick	ME	
Warmuth	Gregory	Brewer	ME	
Warren	Allison	Newport	ME	
Waterman	Benjamin	Yarmouth	ME	
Waters	Hannah	Berwick	ME	

Watson	Alexander	Brimfield	MA
Watson	Julie	Mendon	MA
Watson	Olivia	Topsham	ME
Watson	Robert	Fort Fairfield	ME
Watson	Valerie	Randolph	MA
Webb	Ellie	Hampden	ME
Webb	Jarod	Milo	ME
Webber	Matthew	Springvale	ME
Weed	Megan	Deer Isle	ME
Weeks	Jeffrey	Orrington	ME
Wegner	Jay	Davidsonville	MD
Weigang	Abigail	Shawmut	ME
Welborn	Hannah	Wiscasset	ME
Welch	Dayle	Westford	MA
Welch	Gerren	Sidney	ME
Welch	Sarah	Center Lovell	ME
Welcome	Phoebe	North Easton	MA
Wells	Timothy	Bremen	ME
West	Emery	Carmel	ME
West	William	Milbridge	ME
Westbrook	Molly	Ithaca	NY
Wheeler	Makenzie	Hartland	ME
Wheeler	Samuel	Orono	ME
White	Kaitlyn	Hampden	ME
White	Keara	Waterboro	ME
White	Sarah	Old Town	ME
Whittemore	Emily	Poland	ME
Wiggins	Breanna	Brunswick	ME
Wight	Katherine	South China	ME
Wilcox	Adam	Warren	ME
Wilder	Kevin	Derry	NH
Wiley	Hunter	Buckfield	ME
Wilkins	Bradly	Old Town	ME
Wilkinson	Emma	Windsor	ME
Williams	Christopher	Shrewsbury	MA
Williams	Delaney	Caribou	ME
Williams	Haley	Windham	ME
Williams	Jacob	Milford	ME
Williams	Jacob	New Sharon	ME
Williams	Jacob	Orono	ME
Williams	Taylor	Presque Isle	ME
Willis	Justin	Castine	ME
Willis	Katelyn	Oakfield	ME
Willox	Kendyl	Annapolis	MD
Wilson	Alexandria	Lewiston	ME
Wilson	Ambyr	Peru	ME
Wilson	Bruce	Dixmont	ME
Wilson	Jacob	Eddington	ME
Wilson	Joshua	Hermon	ME
Wilson	Kelly	Westbrook	ME
Wilson	Kelsey	Peru	ME
Winslow	Caleb	East Parsonsfield	ME
Winslow	Dale	Presque Isle	ME
Winslow	James	Pittsford	VT
Wiseman	Lilli	Bangor	ME
Wojchowski	Austin	Cape Elizabeth	ME
Wojciak	Andrew	Merrimack	NH

Wojtkowski Barbeau	Leila	Nottingham	NH	
Wone	Jamie	Pittsfield	ME	
Wong	Lisa	Gorham	ME	
Wood	Amelia	Centerville	MA	
Wood	Jessica	Hermon	ME	
Wood	Jessica	Kingston	NH	
Woodin	Gordon	Bradford	ME	
Woodman	Benjamin	Monmouth	ME	
Woods	Megan	Hardwick	NJ	
Woodward	Brianna	South Portland	ME	
Woodward	Hannah	Santa Cruz	CA	
Worgull	Maxwell	Bangor	ME	
Worster	Evan	Jackman	ME	
Worster	Rachel	Brownville	ME	
Wright	Anna	North Berwick	ME	
Wyman	Alison	West Bridgewater	MA	
Wypyski	Molly	Orono	ME	
Yardley	Kiana	Bangor	ME	
Yerxa	Colby	Scarborough	ME	
Yoder	Jordan	Milford	ME	
Yori	William	Brooks	ME	
York	Mitchell	Portland	ME	
York	Wilder	Presque Isle	ME	
Yost	Rene	Brunswick	ME	
Yost	Sierra	Windham	ME	
Yost	Thilee	Damariscotta	ME	
Young	Alexis	South Berwick	ME	
Young	Benjamin	Thomaston	ME	
Yusim	Asher	Scarborough	ME	
Yutuc	Nikki Caroline	Saipan		Northern Mariana Islands
Zachau	Charles	Freeport	ME	
Zakian	Maxim	Biddeford	ME	
Zepeda	Sebastian	Dover Foxcroft	ME	
Ziegler	Gregor	Berlin		Germany
Zink	Marissa	Minot	ME	
Zwirner	Christian	Windham	ME	

Fall 2016 Dean's List by Maine counties

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[County](#)

Androscoggin County

Auburn: Abby Bellefleur, Ashley Brackett, Cole Butler, Derek Caron, Joshua Delong, Cameron Dubay, Jordan Lau, Emma Paradie, Jessica Staples, Hannah Thistle, Bryan Uwaechia **Durham:** Anna Dimick, Jamie Jeppson, Jon Jeppson **East Poland:** Lauren Emery **Greene:** Reilly Burgess, Brandon Clark, Callie Greco, Clifford Greco, Nicole Hofacker, Trevor Lessard, Sierra Santomango **Leeds:** Joseph Baumann, Nathan Blais, Jacob Gladu, Trent Swengel **Lewiston:** Gabrielle Barboza, Haley Bisson, Aaron Bissonnette, Mathieu Bowen, Jessica Cote, Olivia Dam, Jared Dumas, Daniel Fortier, Leo Gaghan, Sophia Grallert, Emma Nichols, Cameron Raymond, Chase Tapley, Jaymi Thibault, Spencer Ward, Alexandria Wilson **Lisbon Falls:** Julia Bowen, Dillon Clifford, Loren Grant, Jasmine Proctor **Livermore:** Justin Bean, Jacob Foss, Ben Greenwood, Natalie Goding, Jacob Sol **Mechanic Falls:** Gabrielle Smith, Benjamin Trytek **Minot:** Evan LaPointe, Hannah Paradis, Isaac Savard, Lindsay Theriault, Marissa Zink **Poland:** Erin Brewer, William Foster, Tucker Jones, Hope Kohtala, Emily Whittemore **Sabattus:** Kayla Gayton, Julie Morneault **Turner:** Abigail Day, Julia Dillingham, Emma Fournier, Zachary Goulette, Carter Hathaway, David Hersom, Hannah LaClaire, Noah Lovejoy, Chad Morin, Taylor Ouellette, Matthew Thibodeau, Hannah Varney **Wales:** Tyler Turcotte

Aroostook County

Ashland: Kali Pelletier **Caribou:** Devin Ballard, Shyanne Barnes, Timothy Dassow, Kate Finnemore, Maura Freme, Axios Gerakaris, Haley Hunter, Michael Hunter, Emma Jandreau, Chathu Karunasiri, Chaya Karunasiri, Gavin Levesque, Kristopher Michaud, Morgan Outing, Reanna Plourde, Spencer Savage, Emilee Sirois, Mitchell St Peter, Dean Walker, Delaney Williams **Caswell:** Bailey St Pierre **Connor Township:** Kody Theriault **Crystal:** Lelia Fekete **Easton:** Francesca Armstrong, Madison Leach, Joshua Salkind **Fort Fairfield:** Sarah Holbrook, Thomas Krause, Robert Watson **Fort Kent:** Emma Brickman, Lauren Doak, Nicholas Levesque, Antonio Naranja **Frenchville:** Nichole Oakes **Hodgdon:** Rachel Harmon, Hannah Sherman **Houlton:** Sarah Clark, John Dunn, Emma Gallop, Katherine Prescott **Linneus:** Devon Logie **Madawaska:** Alexis Cote, Emily Hebert, Lauren Tingley **Mapleton:** Igor Nikachin, Andrew Paterson, Alyssa Trombley **Oakfield:** Katelyn Willis **Presque Isle:** Drew Barrett, Keegan Ennis, Emma Everett, Katelyn Ford, Brittany Good, Joshua Gordon, Kyle Goupille, Mary Green, Angela Hallowell, Kenedy Jarvis, Lindsey Lagerstrom, Jacqueline Lambert, Parker Lambert, Andrew Michaud, Hanna Postell, Taylor Williams, Dale Winslow, Wilder York **Saint Agatha:** Chantel LaPointe **Saint David:** Elizabeth Theriault **Silver Ridge Township:** Abigail Perry **Stockholm:** Sarah Doak **Van Buren:** Natasha Bourgoin, Kaleb Cormier, Nicholas Lajoie, Vanessa Lavoie, Parise Rossignol, Allison Soucy **Washburn:** Brooke Lovely **Woodland:** Nicolas Beaudoin, Kendra Stephens

Cumberland County

Bridgton: Kristina Morton, Wesley Sulloway, Michael Triglione **Brunswick:** Alicia Armstrong, Dante Baskett, Sarah Basquez, Joshua Clark, Matthew Day, Shannah Duffy, Rosaleen Erwin, Bradley Gannon, Joel Grindle, Julia Grocholl, Cole Hillis, Amy Lyons, Libbey Masse, Julia Rider, Alexandra Roderick, McKinley Stinson, Tiffany Tanner, Emma van Kampen, Breanna Wiggins, Rene Yost **Cape Elizabeth:** Kelsey Allan, Sarah Bosworth, Anthony Castro, Samuel Duddy, Dylan Egeland, Thomas Gleeson, Christopher Grennon, Audrey Grey, Charles Jones, Stefan LaRose, Gwyneth Roberts, Christina Ross, David Terwilliger, Ashley Tinsman, Austin Wojchowski **Casco:** Stephanie Fowler **Chebeague Island:** Dylan Doughty, Chloe Dyer, Sasha McLean **Cumberland:** James Manahan **Cumberland Center:** Oliver Adams, Coryn Armstrong, Michaela Arsenault, Matthew Blanchard, Ryan Bray, Paul Caruso, Joshua Coyle, Miranda Eisenhart, Zoe Fluet, Russell Grenon, Ryan McGinty, Maura Perry, Haleigh Roach, Taylor Roach, Zachary Theriault **Cumberland Foreside:** Kevin Cass **Falmouth:** Jacob Baumann, Molly Bennett, Eric Britton, Jack Britton, Andrew Clement, Alex Derhagopian, Matthew Gramse, Michael Gramse, Sarah Grondin, Hannah Mildrum, Jonah Paris, Helen Reese, Alexander Robison, Joshua Simensky, Madeline Skop, Samuel Stark, Brian Taylor, Kohl Valle **Freeport:** Seth Breton, Brady Davis, Alexis Dietrich, Jessica Hench, Dillion Hindley, Zachery Hindley, Edward Lefebvre, Lorin Martens, Connor McLellan, Ryan Moyer, Morgan Redmon, Abigail Roney, Ethan Roney, Charles Zachau **Gorham:** Diana Albanese, Jessalyn Bergeron, Emily Berrill, Ryan Bertin, Hailey Bryant, Megan Demers, Johna Doyle, Gabrielle Garson, Colin Gotschlich, Branden Kuusela, Jeffrey McNally II, Jason Nagy, Kiana Plumer, Marissa Roberts, Victoria Small, Michael Sullivan, Lisa Wong **Gray:** Cody Cullen, Adam Dumas, Patrick Dumas, Grace Ferguson, Aeelah Granger, Tyler Hicks, Cameron Keefe, Allyson Kirby, Ethan Lessard, Casey Myhaver, Evan Plummer, Leah Ridge, Liam Stewart **Harpwell:** Grant Carrier, Lauren Rice **Naples:** Kathryn Caulfield, Lily Charpentier, Taylor Cronin, Savannah DeVoe, Abigail Scott-Mitchell **New Gloucester:** Jaime Boulos, Dante Castro, Michael Lyons, Trevor Michaud, Robin Pelkey, Cooper Power, Amanda Thayer **North Yarmouth:** Christopher Byron, Emily Coyne, Mimi Edmondson, Samuel Farrar, Joseph Fitzpatrick, Molly Fitzpatrick, Camilla Horton, Christopher Perry **Peaks Island:** Finn Bradenday, Hugh Carroll, John Stange **Portland:** Eleni Anderson, Cleo Barker, Silvia Baxter, Courtney Brett, Mariza Budri, Marcus Caliendo, Joseph Claar, Jacob Coon, Siobhan Densmore, Jillian Flynn, Dominic Guimond, James Hannigan, Gene Herrschaft, Emma Hines, Ava Koenigsberg, Leala Machesney, Nicole Maines, Mikayla Mayberry, Samuel Pierce, Kaitlin Plourde, Sean Randall, Jack Rideout, Luke Rogers, Elin Roland, Olivia Ryan, Evan Sampson, Sarah Smaha, Elijah Tabachnick, Benjamin Tero, Mitchell York **Pownal:** Danielle McDougal **Raymond:** Emily Callahan, Isobel Cunningham, Liam Flynn, Emily Gagne, Dylan Koza, Alexandra Lewis, Jeffrey Pollard, Shannon Sutton **Scarborough:** Jacob Bloom, Erin Brady, Adam Brown, Courtney Daly, Alison Davis, Isabella DiPhilippo, LaRae Discatio, Anna Driscoll, Emma Freeman, Christopher Gilbert, Christian Harvie, Molly Hayward, Colin Hulst, Lucy Iselborn, Andrew Jones, Nathaniel Jordan, Frank Keller, Katherine Kirk, Erica Laplante, Olivia Lappin, Benjamin Lindsay, Nathan McLellan, Abigail Mills, Trevor Morin, Kathleen Pride, Ashley Ronzo, Jamie Sargent, John Sullivan, Jacob Terry, Samuel Terry, Emily Tyrrell, Anthony Verzoni, Colby Yerxa, Asher Yusim **Sebago:** Kathryn Cutting, Danielle LaPointe, Matthew Stenger **South Portland:** Eduardo Anzures Uroza, Samuel Cross, Caleb Elsemore, Andrew Fleishman, Anna Foster, Colton Gervais, Kelsey Green, Taaniel Kiidli, Susan Lodge, Lauren Magnuson, Jackman Mickiewicz, Jonathan Vickers, Brianna Woodward **Standish:** Mitchell Burgess, Kaitlin Clark, Melody Cropley, Nicole Hurley, Shannon Sanborn, Lance Taylor **Steep Falls:** Haley Thorne **West Baldwin:** Gabriella Joy, Christina Metcalf **Westbrook:** Austin Blake, Kevin Bois, Paula Crucianelli, Evan DiPietrantonio, Noah Frie, Arianna Giguere, Anna Giroux, Julia Haberstick, Amanda Jimenez, Andrew Lamson, Brady Lynes, Emily Marean, Marissa Martel, Aric Nappi, Amanuel Sentayehu, Benjamin Smith, Lucas Snyder, Kelly Wilson **Windham:** Melissa Agneta, Michele Begley, Meaghan Byrnes, Bradford Carpentier, Samuel Chamberlain, Damian Cummings, Ian Donnelly, Nate Dubuc, Samantha Frank, Nicolas Gleason-Boure, Chloe Gray, Brian Kelley, Anna Landry, Elijah McGill, Quinn McPhail, Erin Merchant, Nicole Merrill, Gregory Morrison, Jason Nielsen, Noah Ransom, Julia Richardson, Bryce Rolfe, Jacob Segal, Katherine Skvorak, Bailey Turner, Haley Williams, Sierra Yost, Christian Zwirner **Yarmouth:** John Barbera, Abigail Belisle Haley, Sean Cahill, Olivia Conrad, Cailin Darling, Claire Fouchereaux, Conner Lajoie, Thomas Lord, Kaeleigh Morton, Sarah Oberink, Benjamin Waterman

Franklin County

Farmington: Jennyfer Dalrymple, Ryan Flanagan, Ethan Howatt, Rachel Karno, Daniel Lesko, Matthew Loewen, Nathan Pratt-Holt, Samantha Tracy **Industry:** Hanna Deon **Jay:** Alexander Hartford, Joshua Horne, Kayla Meserve, Lucas Preble, Tyler Ritter, Melanie Robitaille **Kingfield:** Emma Houston, Parker Kennedy, Christopher Murphy, Holly Thomas, Seth Thomas **New Sharon:** Shireen Luick, Brooke Pietri, Daniel Reed, Abigail Sennick, Jacob Williams **Strong:** Ivy Mitman, Reilly Romanoski **Temple:** Laura Dunham **West Farmington:** Sojourn Granquist **Wilton:** Lucas Hopkins-Goodwin, Ruth Leopold, Tristan Underwood

Hancock County

Aurora: Jacob Neal **Bar Harbor:** Sierra Bloom, Molly Brown, Abbie Burton, Christopher Butler, Mary Chamberlin, Jennifer Clemens, Dominic Frongillo, William Krason, Molly Moon, Michaela Murray, Sierra Tapley **Bass Harbor:** Kathleen Murphy **Blue Hill:** Mindy Carter, Gabrielle Farley, Willem Hilliard, Erin Niehoff **Bucksport:** Jade Darragh, Kaylee Grindle, Eliza Hosford, Kelsey Houston, Delaney Marks, Christopher Phelan-Soper, River Robertson, Davina Stiles **Castine:** Anthony Codega, Emily Comtois, Justin Willis **Dedham:** Tessa Byard, Reed Davis, Jonathan Deschaine, Benjamin Hafford, Brittney Nickerson **Deer Isle:** Chelsea Brown, Nathan Davis, Megan Weed **Ellsworth:** Justin Brown, Samantha Davis, Mitchell Domagala, Anna Jordan, Jacob Jordan, Kyle Lima, Olivia Louder, Jacob Maguire, Cecelia McEachern, Aaron Morrison, Michael Newman, Sanna Norwood, Ashley Oleson, Nathan Rockwood, Alec Toothaker, Benjamin Walton **Franklin:** Katelyn DeRaps, Heather Havey, Jamie Hogle, Taylor Merchant **Gouldsboro:** Heather Holt,

Elise Nosel **Hancock**: Brian Awalt, Stella Ligon **Harborside**: Sara Clifford **Islesford**: Samantha Krasnow **Lamoine**: Fedlinde Deleard, Ivy Wallace **Mariaville**: Isaac Tremblay **Mount Desert**: Sierra Colson, Hannah Edgecomb, Samuel Johnson **Northeast Harbor**: Mea Clark, Adam Gray **Penobscot**: Robert Morefield **Southwest Harbor**: Hannah Murphy **Stonington**: Alison Eaton **Sullivan**: Maria Cormier, Jennie Daley, James Huff **Surry**: Karyn Carlin, Mackenzie Tefft, Cynthia Thielen **Trenton**: Keegan McKim **Verona Island**: Kayla Gray, Colleen Lucy **Waltham**: Nicholas Jordan

Kennebec County

Albion: Daniel Heard **Augusta**: David Audet, Katelyn Bilodeau, Dallas Clark, Luke Dang, Brandon Emerson, Elisha Glusker, Mckenzie Green, Josie Heath, Lauren Hubbard, Courtney King, Jacob Poland, Olivia Rancourt, Nicholas Seile, Liam Stokes **Belgrade**: Lucia Guarnieri, Sawyer Michaud, Josiah Paradis, Ryan Scott, Jill Twist **Belgrade Lakes**: Alexa Frame **Chelsea**: Jack Brannigan, Christopher Daggett, Brandon Tardiff, Kasidy Turgeon **Clinton**: Aaron Brown, Hannah Stetson, Lilla Tilton-Flood **Fairfield**: David Austin, Paige Belanger, Josie Champagne, Zachary Hale, Trevor Hamblet, Paige Hanson, Samantha King, Alex Leathers, Joseph Leclair, Taylor Rolfe **Farmingdale**: Marissa Smith **Fayette**: Alex Black, Natalie Harmon, Gretchen Krout, Olivia Swimm **Gardiner**: Brianna DeSoto, Hannah Morgan **Hallowell**: Jarod Dye, Adam Fullmer, Shanay Gilbert, Anna Hodgkins, Samuel Shepherd **Litchfield**: Brady Andrews, Amanda Bloss **Manchester**: Kelsey Broad, Caden Brown, Melissa Garand, Sydney Green, Tyler Lang, Mary-Margaret Manley, Benjamin McLaughlin **Monmouth**: Brandon Goff, Kaitlyn Kerrigan, Angus Koller, Hayden Koller, Anna Kulinski, Amy Lamore, Brianna Mosher, Benjamin Robichau, Paul Ruopp, Jacob Stevens, Benjamin Woodman **Mount Vernon**: Lily Bragg **Oakland**: Kaylee Bates, Jessica Holz, Forest LeBlanc, Benjamin Schaff, Joshua Schaff, Cody Stevens, James Stevens, Katherine Swenson, Allan Walsh **Randolph**: Bradley Bailey, Andrew Moran, Matthew St Jarre **Readfield**: Kaitlyn Chick, Taylor Cray, Mitchell Fellows, Grace Kavanah, Eleanor Nazar, Ashley Russell **Rome**: Lillian DeLisle, Julia Schnee **Sidney**: Kyle Bernier, Cameron Dick, Soren Donisvitch, Taylor Lenentine, Christopher Longley, Kathryn Mercier, Haleigh Moran, Daniel Paradis, Amy Pinkham, Taylor Poissonnier, Walker Thomas, Gerren Welch **South China**: Lilja Bernheim, Emily Deering, Alyssa Gartley, Alton Hawk, Kaitlyn Hayward, James Poulin, Sarah Poulin, Tyler Rollins, Jason Seymour, Katherine Wight **Vassalboro**: Taylor Bailey, Moriah Cloutier, Nicholas Gayer, Sarah Pleau, Jeffrey Pulver, Nathaniel Trask **Waterville**: Alan Baez, Rachael Bergeron, Alexander Danner, Sage Duguay, Ryan Lopes, Morgan Pellerin, Nicole Pinnette, Waleed Rahmatullah, James Robe, Amy Samson, Allison Scully, Todd Serbent, Brittany Tiner **West Gardiner**: Kristin Cosgrove, Dylan Haskell, Justin Ladner, Hannah Luken, Olivia Turner **Windsor**: Jordan Bowie, Emma Wilkinson **Winslow**: Cody Doughty, Hunter McCaslin, Karlee Price, Sierra Savage, Rachel Sirois, Gabriel Smith, Jacob Trask, Aysha Vear **Winthrop**: Lauren Kaiser, Robert Owens, Jessica Scott, Aaron St Pierre

Knox County

Camden: Wyatt Berry, Thomas Cox, Henry Owen, Matthew Prescott **Cushing**: Lindsey Joyce **Friendship**: Alexia Hilt **Hope**: John Davee, Hanna Karas **Rockland**: Kaitlyn McCullough **Rockport**: Matthew Ackley, Molly Davee, Frances Field, David Flint, Elliott Pendleton, Lindsay Taylor **South Thomaston**: Maggie Drinkwater, Rachel Johnson, Russell Lawrence **Tenants Harbor**: Amelia Reinhardt **Thomaston**: Benjamin Young **Union**: Jacob Siegel **Warren**: Kyle Blum, Sophie Cohen, Kaitlyn Hanson, Adam Wilcox **Washington**: Patrick Madden **West Rockport**: Hilary Merrifield

Lincoln County

Alna: Andrew Hutchins, Alyssa Urquhart **Boothbay**: Dante Guzzi, Ashley Poland **Bremen**: Teiga Martin, Timothy Wells **Damariscotta**: Logan Molt, Thilee Yost **Dresden**: Taylor Houdlette **Edgecomb**: Hannah Elder, Benjamin Halm, Arden McSwain, Bennett Scully **Jefferson**: Julia Fasano, Michaela Fortin, Andrew Foster **New Harbor**: Ashley Mason **Newcastle**: Alexis Bailey **Nobleboro**: Aidan O'Brien **Somerville**: Hannah Ladd, Phoenix Throckmorton-Hansford **Waldoboro**: Greta Brown, Todd Crawford, Claire Lupien, Shania Melvin, Olivia Pennington, Taylor Poli, Kristi Severson **Whitefield**: Jocelyn Magnusen, Ryan Pedersen, Emily Russell, Robert Soohy, Stephen Soohy **Wiscasset**: Maeve Carlson, Winston Smiddy, Hannah Welborn

Oxford County

Brownfield: Catherine Gillette, Ian Shea **Buckfield**: Hunter Wiley **Canton**: Emma Lueders **Center Lovell**: Sarah Welch **Denmark**: Logan Gerchman **Dixfield**: Celine Bolduc, Natalie Bolduc, Isiah Brown, Larissa Bryant, Justin Chartier, Bennett Dorion, Nicole Dumond, Kaine Hutchins, Summer Keim, Rachel Knight, Kylie Palmer, Ming Feng Schnorr **Fryeburg**: Sydney Charles, Alicia McDonald, Tyler O'Keefe **Greenwood**: Matthew Michaud **Norway**: Malik Geiger, Charlee Noble **Oxford**: Faith Rideout **Peru**: Adelle Oswald, Ambyr Wilson, Kelsey Wilson **Rumford**: Sabrina Daoud, Makenzie Gallant **South Paris**: Benjamin Bowie, Lauren Keisman, Mikayla Morin **Stow**: Currenn Mackie-Malcolm **Sumner**: Elizabeth Damon

Penobscot County

Alton: Alexander Alvandian **Bangor**: Joseph Ahern, Sharon Audibert, James Barry, Austin Bemis, Heather Benner, Samuel Bolduc, Amanda Brainerd, Evan Brewer, Alyson Briggs, Jeffrey Burke, James Burkhart, Vincent Caccese, Kathryn Callahan, Christopher Carey, Samuel Chase, Nicholas Chasse, Cassidy Cook, David Correale, Carly Cosgrove, Sydni Cosgrove, Justin Courtney, Loreli Crawford, Meghan Cray, Logan Cyr-Ellis, Anjelica Davenport, Nathan Dee, Tristan Degen, Taylor Delp, Claudia Desjardins, Jason Dignan, Cara Doiron, Susannah Drown, Katrina Duncan, Abigail Elliott, Brittany Ellis, Amy Fahey, Devon Foster, Andrew Fournier, Adam Green, Ashley Green, Kendra Green, Jill Hamm, Jessie Hardy, Logan Hartley, Abigail Hayward, Carlianna Higgins, McKenzie Hood, Steven Hooke, Teal Jackson, Abram Karam, Gabriel Karam, Adam Kaspala, Tyler Kenney, Rukhsar Khan, Anastasia Kirbach, Cameron LaBrecque, Nathaniel Landon, Jacynnda Lee, Elizabeth Lemin, Linda Lewis, Monica Littlefield, Johanna Lunn, JiaJun Luo, Jonathan Marcotte, Michelle Miller, Robert Mills, Jules Mogul, William Molinero, Lauren Nightingale, Jacqueline Palmer, Daniel Perkins, Galen Perry, Kurtus Pike, Rachel Poisson, Michael Rancourt, Kristi Raymond, Liam Reading, Erin Reed-Abbott, Malik Robinson, Alexander Rodionov, Michael Roman, Erica Rovito, Stephanie Russell, Andrew Schanck, Daniel Schlabig, Cullen Shortt, Megan Shuman, Taylor Simpson, Katherine Small, Forrest Spang, Marshelle Stern, Katrina Stinson, Ashley Talon, Lilli Wiseman, Maxwell Worgull, Kiana Yardley **Bradford**: Christopher Albert, Loni Bernosky, Gordon Woodin **Bradley**: Alyson Binette, Tori Currier, Miranda Gifford, Jessica Hatch, Lauren Martin, Rachel Martin **Brewer**: Hanna Anderson, Samantha Ballesteros, Teddy Berube, Juliana Bilodeau, Oisin Biswas, Morgan Bragdon, Jovon Craig, Caid Cummings, Ethan Dapice, Adam Farrington, Shawn Farrington, Wade Faulkingham, Caleb Fernald, Matteah Hamm, Mitchell Hodgins, Lindsay Houpp, Jacob Joy, Jarrod Joy, Katherine Laroche, Thomas Leighton, Kalli Mallory, Mikayla Mitchell, Amber Moon, Megan Pike, Benjamin Pushard, Chelsea Richards, Joel Small, Erica Sturrock, Marisa Tandy, Alexa Tanguay, Nicholas Turner, Emelynn Violette, Gregory Warmuth **Carmel**: Maire Gardner, Deborah Heyden, Sarah Treadwell, Timothy Verrill, Emery West **Charleston**: Angelina Buzzelli **Clifton**: Garrett Boardway, Rachel Brooks, Amanda Hughes **Corinna**: Hillary Manson, Anna Smestad **Corinth**: Katrina Bradford, Matthew Brewer, Emily Chalkey, Bram Dennis, Kaj Overturf, Heather Speed, Jared Vafiades, Kara Voisine **Dexter**: Dylan Hanscom, Sarah Hoak, Kirstie Mower, Shelby Nickerson

Dixmont: Angela Silke, Bruce Wilson **East Millinocket:** Nicole Chasse, Derrick Tanous **Eddington:** Elana Castiglia, Pascal Cyr, Caroline Deroche, Nathan Perry, Mark Proulx, Morgan Tidd, Jacob Wilson **Etna:** Katelyn Manzo **Exeter:** Brody Campbell, Matthew Crane, Holly Libby, Cara Morgan **Glenburn:** Joshua Baker, Sarah Baker, Kayla Bousfield, Katherine Cotton, Brandon Crocker, Shaylyn Cyr, Jennifer Federico, Kennedy Gerow, Dimitrije Howe-Potet, Todd Kindler, Ruth-Ann Little, Donna Pelkey, Ryan Stovall, Brittany Towle, Sarah Wainer **Greenbush:** Brawley Benson, Mingwun Dana, Jennifer Malvin, Garvey Melmed **Hampden:** Kathryn Asalone, Taylor Avery, Hannah Bailey, Kyle Barry, Mikaila Bisson, Rebekah Boomer, Sarah Boomer, Ashley Curtis, Abigail Elkins, Alexander Flannery, Drew Gilmore, Lia Hanenburg, Julia Hidu, Kelly Hiller, Megan Houp, Jessica Jesiolowski, Robert Judkins, Alexander Karris, Elizabeth Labun, Rochelle Lawrence, Karen Lucky, Haley Mansell, Kyle Maxwell, Mark McLaughlin, Mitchell Pratt, Kristina Reichel, Nathan Rice, Stanley Small, Keenan Soule, Emily Stevens, Dakota Sudbeck, Kristen Thibodeau, Emma Turlo, Ellie Webb, Kaitlyn White **Hermon:** Mathew Allen, Paige Bacon, Colleen Copley, Rylee Cushman, Danielle Dennison, Hannah Dyer, Keely Gonyea, Raegan Harrington, Madalyn Jackson, Carrie Marley, Justin McBreairty, William McDonald, Rachael Proulx, Kaylyn Raymond, Mark Risinger, Miranda Roberts, Jonathan Sirois, Gretchen Spencer, Fawn Sullivan, Jessica Wade, Brendan Walsh, Joshua Wilson, Jessica Wood **Holden:** Shayne Andersen, Thomas Archambault, Madelyn Bailey, Zachary Beals, Caroline Bush, Molly Caron, Alyssa Damon, Sarah Dickens, Alexa Grindle, Jill Hein, Garrett Johnson, Morgan Johnson, Forrest Miller, Emily Mills, Gabrielle Nickerson, Hannah Nickerson, Braydon Norris, Jamison Rhoads-Doyle, Julie Roach, Taylor Roy, Ashlee Sargent, Grace Smith, Reagan Smith, Emily Tarr **Howland:** Ryan Bergeron, Kayla Michaud, Charity Robbins, Amber Rowley, Mikayla Roy **Hudson:** Sara Asay, Katrina Bowden, Karah Hussey **Indian Island:** Leigh Neptune, Kaitlin Paul **Lee:** Brandon Bourgoin, Morgan Dodge, Samuel Mallett, Mallory Maxwell **Levant:** Laura Kamorski **Lincoln:** Bailee Bartash, Rebecca Harrison, Ian Lichtenberg, Harli Maxwell, Emily Robinson, Paul Springer, Sarah Thornton **Lowell:** Nicholas Garfield, Patrick Leonard, Kasha Sereyko **Milford:** Nicole Carr, Kayla Chase, Mason Duplissie, Andrea Evans, Stephannie Kreyssig, Brittany Stewart, Sarah Vaillancourt, Jacob Williams, Jordan Yoder **Millinocket:** Nicole Knowlton, Cory Ladd, Alexandria Mooney, Janelle Nelson **Newburgh:** Tyler Arbo, Angela Rideout, Andrew Toothaker, Aleksandar Vega **Newport:** John Butler, Fenton Cummings, Brody Haverly-Johndro, Jordin Jakins, Allison Warren **Old Town:** Bethany Ames, Meagan Areno, Eunyoung Austin, Lucas Baillargeon, Cordell Beaton, Christiana Becker, Emily Borger, Jennifer Brown, Hannah Bunnell, Rachael Callaway, Sean Cashman, Hannah Cloutier, Alexandra Colon, Rebecca Dalrymple, Sally DeForest, Meaghan Delcourt, Nicholas Dieffenbacher-Krall, Desirae DuBois, Charles Duffield, Emma Elz Hammond, Allyson Eslin, Keegan Feero, Zachary Fisher, Edward Gonnella, Dakota Gramour, Graham Griffin, Cordell Guptill, Derek Haas, Mary Hamilton, Ethan Hill, Michael Johnson, Jordan Kelley, Roathana Kong, Adam Letourneau, Kathryn Letourneau, Kathryn Liberman, Nicholas Lunn, Kalee McLaughlin, Katherine McMahan, Jennifer Minieri, Fanny Motey, Kayla Murdaugh, Takunda Muzembe, Jason Pina, Benjamin Quimby, Stephanie Sailor, Samuel Segee, Benjamin Smith, Cameron Sullivan, Nicholas Thibodeau, Meredith Torrey, Steven Vandez, Judson Walden, Sarah White, Bradley Wilkins **Orono:** Rachel Alexandrou, Sarah Allisot, Emilie Andersen, Vivien Beil, Katie Bell, Kelly Berglund, Marie Bissonnette, Donald Bistri, Cameron Blood, Amie Bowman, Timothy Bruce, Lara Carney, Molly Chapman, Tyler Cohen, Emalee Couture, Kimberly Crowley, Caroline Curtis, Derek Derosier, Chloe Douglass, Belise Dusage, Katherine Evans, Grace Eye, Olivia Fandel, Connor Gordon, Kayla Greenawalt, Aidan Gregory, Thomas Griffith, Whitney Guy, Shawn Hanscom, Emily Hindle, Brandon Howlett, Kennedy Hubbard, Cheyenne Huffor, Afton Hupper, Stephen Jackson, Margaret Keeley, Michael Kennedy, Benjamin Koehler, Lukas Lamb-Wotton, Moriah Lee, Teresa Libby, Holly Lupo, Ethan Luthin, Noah MacAdam, Kayla Marquis, Andrew Martel, Molly Masters, Sean McEvoy, John Mickles, Ian Miller, Madeleine Moore, Lindsey Moran, Annie Morgan, Lydia Murray, Madison O'Rourke, Meredith Olivari, Cameron Ouellette, Zechariah Palmeter, Brenden Peters, Ann Pollard-Ranco, Jillian Redmond, Jordan Richards, Christopher Roderick, Derrek Schrader, Jordan Scoville, Jacob Searles, Zhecheng Shen, Javahn Smith, Ana Eliza Souza Cunha, Nathan Sprangers, Michael St Denis, Julia Sweet, Nathan Taff, Kristin Thompson, Zandalee Toothaker, Echo Turner, Anna Tyrina, Samuel Varga, Samuel Wheeler, Jacob Williams, Molly Wypyski **Orrington:** David Bickford-Duane, Rachael Bladen, Amber Burris, Oscar Degnan, Meagan Grass, Benjamin Jeffrey, Clara Jeffrey, Alexis Lindsay, Kurt Massey, Juliana McDonald, Ember Perry, Dakota Pettegrow, Patrick Pettegrow, Colby Rand, Jaime Roy, Carly Seymour, Braeden Sickles, Melissa Smith, Jessica Stevens, Jeffrey Weeks **Patten:** Nathan Moore **Plymouth:** Mariah Carey, Lindsay Nutter **Ripley:** Dexter Canning **Stetson:** Carly Buswell **Stillwater:** Jocelyn St Jean **Veazie:** Megan Ackley, Alex Barnett, Mitchell Burgess, Chloe Carmichael, Jordan Carr, Taylor Chasse, Rebecca Clements, Anna-Maria Dagher, Katerina Dagher, Olivia Grandchamp, Dale Hartt, Grace Livingston, Matthew Morris, Samantha Round **West Enfield:** Morgan Moon **Winn:** Odis Sullivan **Woodville:** Lauren Goodine

Piscataquis County

Brownville: Mindy Downing, Rachel Worster **Dover Foxcroft:** Racquel Bozzelli, Amber Chadrawi, Daniel Decker, Hannah Fairbrother, Charles Hildebrandt, Frederick Maddocks, Cooper Nelson, Judson Smith, Rosa Tiemann, Sebastian Zepeda **Greenville:** Laura Folsom, Courtney Mann, Erick Trujillo **Milo:** Jarod Webb **Parkman:** Rebecca Blodgett **Sebec:** Blake Dyer

Sagadahoc County

Arrowsic: Sean Detwiler, Olivia Shipsey **Bath:** Allison Bailey, Madison Burch, Amy Franklin, Spencer Lindsley, Paige Martin **Bowdoin:** Eloise Melcher, Emily Miller, Abigail Morgan **Bowdoinham:** Nathan Mackenzie, Brigitte Milliken, Brandon Peterson, Adeline Schneider, Lydia Schneider, Griffin Stockford, Eric Stuckey **Georgetown:** Henry Geoffrion **Hippensburg:** Lyle Douglass, Ian Fernald **Richmond:** Noell Acord, Cameron Emmons, Vanessa Lee Topsham: Caroline Carrigan, Chelsea Crawford, Michael Crawford, Jacob Demosthenes, Alex Denis, Eric Farnsworth, Nicholas Graney, Emma Hutchinson, Evangeline Jerome, Michelle Pelletier, Marie Ring, Olivia Watson **West Bath:** Casey Bennoch **Woolwich:** Kaitlyn Dube

Somerset County

Athens: Lanie Howes, Jacob Johnson **Detroit:** Brianna Ballard, Olivia Shaw **Fairfield:** Bailey Carter, Ciera Poulin **Harmony:** Jacob Sinclair, Jacob Stutzman, Arend Thibodeau **Hartland:** Patrick Burr, Kestrel D'Antilio, Lydia Elwell, Makenzie Wheeler **Jackman:** Evan Worster **Madison:** Seth Dillon, Justin Hadley **Mercer:** Emily Greaney, Megan Hooper **Moose River:** Dana McNally **Moscow:** Dylan Belanger **Norridgewock:** Kaelie Merrill **Palmyra:** Connor Kreider, Ryan LaGross **Pittsfield:** Gavrielle Enriquez, Emma McWilliams, Cassandra Miller, Braden Monteyro, Anna Olsen, Brittany Seekins, Jamie Wone **Rockwood:** Katherine Miller **Saint Albans:** Everett Coulter, Chad Martin **Shawmut:** Abigail Weigang **Skowhegan:** Maria Beaulieu, Rebecca Bell, Cassidy Clement, Nicolette Curran, Brooke Curtis, Matthew Kay, Alanna Luther **Smithfield:** Amanda Joy, Eben Lenfest, Tanner Towle **Solon:** Brandon Dixon **The Forks Plantation:** Lauren Heulitt

Waldo County

Belfast: Gabe Alex, Jessica Bergstrom, Lucie Bonneville, Maylinda Boynton, Madison Cummings, Allison DellaMattera, Lucien Gordley-Smith, Patrick Groening, Katrina Lapham, Carrie Milner, Michael Schnetzer, John Seekins, Anna Struba **Brooks:** Micaela Ellis, Julie Thibodeau, William Yori **Burnham:**

Eliana Bergdoll **Frankfort**: Jordan Bleakney, Kaitlyn Robinson **Freedom**: Trevor Diemer, Briana Littlefield **Jackson**: Andrea Smith **Lincolntonville**: Frances Bray-Bateman, Lindsey Brown **Monroe**: Susan Outman **Montville**: Kevin Davidson, Skye Siladi **Northport**: Benjamin Robson **Palermo**: Christina Claudel, Abigail Glidden **Searsmont**: Cassidy Hill, Cassandra Howard **Searsport**: Zachary Beaudry, Dagan Berenyi, Jacob Bucklin, Alyssa Burkard, Ellie Damuck, Benjamin Knowlton **Stockton Springs**: Jay Burkard, Colin Graebert **Swanville**: Kasey McLeod, Thomas Saunders **Troy**: Christopher Calcia, Elise Quimby **Unity**: Donna Chason **Waldo**: Stephen Hess, August Sender **Winterport**: Conrad Barberi, Olivia Barberi, Sarah Burby, Justin Cottle, Rachel Gower, Robyn Lorom, Bentley Simpson

Washington County

Baileville: Mitchel Spear **Baring Plantation**: Kayla Jackson **Beals**: Stacey Beal **Calais**: Forrest Carle, Josh Carr, Meaghan Cavanaugh, Logan Johnson, Amelia Moody **Columbia**: Brandon Torrey **Cooper**: Jacob Ketchen **Danforth**: Kimberly Stoddard **Eastport**: Drew Greenlaw **Harrington**: Jordan Endre **Jonesboro**: Kassidy Seeley **Marshfield**: Charlotte Mickelinc **Milbridge**: William West **Pembroke**: Rachael Mahar, Breana Riquier **Perry**: Natalie Altwater **Princeton**: Mali Soctomah **Steuben**: Kiandra Barnes **Trescott Township**: Emily Jones **Weston**: Felicia Cowger **Whiting**: Dakota Cates-Wright, Gianna Porter

York County

Acton: Samuel Beaudoin, Emily Clarke, Daniel Miles **Alfred**: Andrew Bullard, Daniel Bullard, Kailey Daigle, Chelsie Goodwin, Audrey Hoyle, Faith Hoyle, Jacqueline Stolo **Arundel**: Erin Acheson, Jacob Buttarazzi, Lauren Dickson, Katherine Dube, Adam Michel, Jenna Paul, Nicholas Roberts **Berwick**: Jacob Bradshaw, Jami Hayes, Dustin Knight, Alexander Menter, Cory Sollberger, David Stansfield, Hannah Waters **Biddeford**: Miranda Blais, Connor Bouffard, Ashlyn Bourque, Justine Bouthot, Spencer Desrochers, Emily Doyon, Courtney Heffernan, Alexis Innes, Christian Knight, Maggie Maloy, Roy Meredith, Anna Mininni, Amber Mondor, Vie Nadeau-Carney, Connor Pothier, Michael Shea, Kiana Ward, Michelle Ward, Maxim Zakian **Buxton**: Evan Amell, H. Wiley Hollen, Alyssa Libby, Madeline Logan, Rose Michelson, Connor Shields **Cape Neddick**: Elise Bartlett **Cornish**: Olivia Ruhlin **Dayton**: Alexander Belanger, Avery Dunn **East Parsonsfield**: Caleb Winslow **East Waterboro**: Andrew Lee **Eliot**: Zoe Brown, Alyssa Curtis, Isabella Etro, Jackson Foley, Bryant Goodenough, Kayla Perry, Anthony Peterson, Adya Plourde, Garrett Robinson, Erica Sewell, Josef Siraco, Anne Spezia, Hattie Stiles **Hollis Center**: Benjamin Peterson **Kennebunk**: Nicholas Barto, Emma Ewy, Dylan Haroldsen, Kaleigh Haroldsen, Haloye Johnson, Seneca Landry, Tori Leonard, Rigel Paradise, Korey Pow, Timothy Price, Colm Pusey, Nathan Ruel, Julia Towne, Isaac Vaccaro **Kennebunkport**: Willow Bates, Stewart Doe, Sierra Kuun, Alexander Sullivan, Brianna Walsh **Kittery**: Briana Lamoureux, Nicole McNally, Aidan Morrill, Alli Schoff **Kittery Point**: Mark Lambrecht **Lebanon**: Jacob Lelievre, Emmaline Lovely, Laura Nicolo, Kylie Paradis **Limerick**: Jacob Hougham, Alyssa Wardwell **Limington**: David Hegarty, Jordyn Long, Emily Page **Lyman**: Drew Brooks **North Berwick**: Jacob Burgess, Dylan Doucette, Taylor Dupont, James Stewart, Anna Wright **North Waterboro**: Nathan Baert, Desiree Labbe, Madeline Sanborn **Ogunquit**: Olivia Arnold **Old Orchard Beach**: Hunter Boutot, Jamie Crowley, Lauren Fogg, Samuel Jenkins, Olivia Murphy, Sarah Poirier **Parsonsfield**: Jamie McDonald **Saco**: Justin Alcorn, Clayton Arundel, Robert Begin, Joshua Boldebook, Elizabeth Demin, Kendra Ermold, Jill Faucette, Henrikus Freeman, Jeffrey Gelinas, Alyssa Gilbert, Mariah Gilbert, Rebecca Harris, Jackson Hey, Megan Hurrell, Christopher Kowash, Colin Leary, Hannah Maddix, Meghan Murphy, Sarah Picard, Alicyn Romprey, Samantha Saucier, Kenneth Seneres, Kent Seneres **Sanford**: Mathew Allen, Regan Buck, Rebecca Campbell, Vanessa Caron, Shae Horrigan, Karin Martin, Blaine Morin, Jenna Nichols, Uriah Noble, Justin Norman, Nisha Patel, Joshua Patnaude, Taylor Pepin **South Berwick**: Allison Blunt, Renee Clavette, Shea Costin, Abigail Doyle, Hannah Folger, Jeffrey Graunke, Liam Hawthorne, Benjamin Hebert, Corrin Hoyt, Toni Kaplan, Ava Leman, Nicole McGee, Nicole O'Neil, Grace Pouliot, Andrew Purgiel, William Ramsay, Mikaela Sansoucie, Kendra Threeton, Ryan Tuano, Alexis Young **Springvale**: Ashlin Jalbert, Allison L'Heureux, Tessali Morrison, Matthew Webber **Waterboro**: Troy Cloutier, Tyler Everett, Keara White **Wells**: Michaela Albano, Dominic Barra, Gabrielle Betters, Anthony Crawford, Augustus Heptig, Kate Macolini, Bennie McMinis, Cassandra Page **West Kennebunk**: William Bauld **York**: Steven Blaine, Kathryn Brown, Noah Carpenter, Kelsey Cole, Matthew Eaton, William Eaton, Spencer Goulette, Sarah Kate James, Andrew Kolbjornsen, Eric Lindbom, Rafael Mata, Abigail Pease, Zachary Pease, Stephen Reid, Caileb Stanley [Back to full list](#)

Steneck cited in National Geographic package on saving the world's oceans

27 Jan 2017

Bob Steneck is cited in the February 2017 issue of [National Geographic](#) magazine, which includes a package on the importance of saving the world's oceans. The University of Maine oceanographer was interviewed for an article about conservation of Buck Island off St. Croix in the Caribbean. Despite President John F. Kennedy creating an 880-acre Buck Island Reef National Monument in 1961, nearby overfishing and disease nearly wiped out elkhorn coral in the 70s and 80s. "I was a coroner at that point," said Steneck, who is based at the Darling Marine Center in Walpole, Maine. Later, Hurricane Hugo and an increase in ocean temperatures also took a toll on the corals and President Bill Clinton expanded the size of the monument to more than 19,000 acres. In 2014, Steneck found beautiful young elkhorns on the southern side of Buck Island. He also saw parrotfish and groupers. Other researchers said the conservation of Buck Island provides hope that with proper management other Caribbean reefs can rebound.

King comes to UMaine to help announce partnership to grow state's forest economy

27 Jan 2017

WABI (Channel 5) reports U.S. Sen. Angus King will be at the University of Maine Friday to help announce a forest bio-based manufacturing partnership between the university and Oak Ridge National Laboratory. During his visit, King will receive a private briefing on the project and tour the Alford Advanced Manufacturing Lab for Structural Thermoplastics.

Trustees consider proposal to make Machias campus part of UMaine Orono, Press Herald reports

27 Jan 2017

University of Maine System Trustees will consider a proposal Monday to make the system's campus in Machias part of UMaine, the [Portland Press Herald](#) reports. Under the plan, the Machias campus, which has struggled financially, "would become a college or branch campus of UMaine with a campus executive head/dean at Machias with administrative services and overall academic leadership provided from UMaine," according to board materials posted

online. The [Bangor Daily News](#) also reported on the proposal.

Alex Rahman: Accounting and finance major excited for ‘Big Four’ internship

27 Jan 2017

When Alex Rahman decided to come to the United States to attend college, he had two goals. He wanted a university that believed in him enough to help him graduate debt free, and one that offered a challenging business curriculum and a diverse set of activities and work experiences outside the classroom, all preparing him for a career in finance. The University of Maine offered Rahman a full tuition scholarship and the diverse educational experience he wanted. “After I got here, I looked at the amazing opportunities that UMaine — and MBS (the Maine Business School), more specifically — had to offer. I’ve been blown away,” says Rahman, a senior majoring in finance and accounting. Rahman, who has a 3.9 GPA, started seizing those opportunities the moment he arrived in Orono. This coming spring, he’s scheduled to take 21 credits. Rahman also works 20 hours a week at several jobs on campus, including serving as a teaching assistant in the financial accounting labs of Dave Barrett, a lecturer in accounting at the business school. In addition, Rahman serves as chair of Student Government’s Fair Elections Practices Committee. He is a peer tutor in financial accounting, statistics, calculus and business finance. And in August, he began managing the telecommunications sector for the \$2.4 million Student Portfolio Investment Fund called SPIFFY. “I’ve already made two (SPIFFY) pitches,” says Rahman. “Both of them were for over \$50,000 each. So already, just this semester, I’ve made an investment of over \$100,000. That’s real money. It’s pretty amazing.” His investment experience and record of academic excellence helped Rahman secure an internship this summer at KPMG in Boston. “It’s one of the big four accounting firms. I think it will give me a solid background in how a business is being run,” says Rahman, who will work in the company’s Alternative Investments practice. “I’ll be dealing mostly with hedge funds and private equity funds. It’s great that I got the opportunity to do that because, as I’m sure anyone in the industry knows, getting that real-life experience is key.” As he moves closer to graduating, Rahman is reflecting on his time at UMaine. He says a number of MBS teachers have been mentors. One is Scott Spolan, the MBA director at MBS and a lecturer in management. “He taught my very first ever college class,” says Rahman. “He influenced me in a way that shaped how I view what my end goals should be. I still go to him for advice.” Contact: Jay Field, 207.581.3721; 207.338.8068

UMaine to offer spring, after-school art program for grades K–8

27 Jan 2017

This spring, the University of Maine Department of Art will offer a five-week, after-school art program for children in grades K–8. ArtWorks! gives children an opportunity to explore the world of art through viewing and hands-on experiences with a variety of visual media. All classes will be taught by UMaine students, under the supervision of art professor Laurie Hicks. ArtWorks! will be held on Fridays in UMaine’s Lord Hall from 3:30–5 p.m., beginning March 31 and running through April 28. Class sections will be organized by grade level and will be limited to 22 students per group. Acceptance into the program will be on a first-come, first-served basis. Applications should be submitted before Feb. 24. A \$25 course fee will be charged for the spring session to cover the costs of materials used during the classes. A limited number of scholarships are available. For more information or to receive an application, call Hicks at 581.3247 or email hicks@maine.edu.

Black Bear Battalion earns prestigious MacArthur Award

30 Jan 2017

Black Bear Battalion, the University of Maine’s Army ROTC unit, has won the prestigious MacArthur Award, which recognizes the top eight schools, selected from among the 275 senior Army Reserve Officers Training Corps (ROTC) programs nationwide. The award, presented by Cadet Command and the Gen. Douglas MacArthur Foundation, recognize the ideals of “duty, honor, and country” as advocated by MacArthur. The award is based on a combination of the achievement of the school’s commissioning mission, its cadets’ performance and standing on the command’s National Order of Merit List, and its cadet retention rate. Cadet Command and the MacArthur Foundation have given the awards each year since 1989. Black Bear Battalion won top honors for 2nd Brigade, whose 42 schools include MIT, Northeastern, BU and Rutgers. It’s the first time in 28 years Cadet Command has selected UMaine Army ROTC for the award.

Jones quoted in BDN editorial on Maine time zone change proposal

30 Jan 2017

Nory Jones, a professor of management information systems at the University of Maine, was quoted in the [Bangor Daily News](#) editorial, “Changing time zone would further isolate Maine from the rest of the United States.” Several lawmakers are advocating that Maine should join the Atlantic time zone, which would require a positive vote on a statewide referendum and the approval of Congress or the U.S. Department of Transportation, according to the editorial. Being an hour separated from the country’s financial and population centers would not be to Maine’s benefit, the editorial argues. However, Jones said businesses could easily adjust to a move to the Atlantic time zone. With so much business being conducted electronically, she said, any needed scheduling changes could be made automatically. “As the business climate becomes more advanced, time zones matter less and less,” she said.

UMaine mentioned in Press Herald article on potato chips

30 Jan 2017

The University of Maine was mentioned in the [Portland Press Herald](#) article, “Potato chips you can feel better about eating,” as part of the “Green Plate Special” column. According to the article, potato chips are one of the least sustainable snack foods, requiring up to 90 gallons of water to move a spud from bud to bag. The most sustainable chip is one you make yourself from local potatoes, Maine sea salt and organic oil you’ve strained and reused before turning it into biodiesel fuel, the column reads. But if making them yourself isn’t an option, the column suggests other criteria, such as looking for Maine potatoes, to help locate greener options. UMaine is using traditional breeding methods to develop new potato varieties, like the Sebec, especially suited for potato chip production, the article states.

Maine Public interviews UMaine’s Donaldson, Fairman for school regionalization report

30 Jan 2017

As the state encourages more school districts to save money by sharing services, two UMaine professors spoke with [Maine Public](#) about the lessons that can be learned from school consolidation. Former Maine Governor John Baldacci first introduced the idea of merging districts in 2007 in an effort to save money by cutting down on administrative overhead. University of Maine Professor Emeritus Gordon Donaldson, who has studied consolidation, said the imagined savings never materialized. Janet Fairman, associate research professor and co-director of the Maine Education Policy Research Institute, says many districts ended up pulling out of their regional school units shortly after the mergers took place. “The push for local control is still very strong in Maine,” Fairman told Maine Public. “And I think that’s part of the reason that many of these school districts have pulled from their regional units.”

WABI covers annual Bangor Humanities Day

30 Jan 2017

WABI (Channel 5) reported on the fifth annual Bangor Humanities Day hosted by the University of Maine Humanities Center. Free events to celebrate art, literature and history for participants of all ages were offered at venues including the University of Maine Museum of Art, Bangor Public Library and Maine Discovery Museum. Organizers told WABI the day is about making connections in ways you might not otherwise have. “Often if you go to the museum, or to an event, you would go with your family, you would stay within that unit. Here, you’re invited to speak outside of your group and meet all kinds of different people and take that little time-out from what William Wordsworth called ‘getting and spending’ to really talk about issues,” said Jennifer Moxley, a UMaine English professor and director of the UMaine Humanities Center.

Turfgrass science concentration cited in Sun Journal story on ‘cool majors’

30 Jan 2017

In a story on cool majors at Maine colleges and universities, the [Sun Journal](#) included the turfgrass science concentration added three years ago, as part of the environmental horticulture major at the University of Maine School of Food and Agriculture. Students choosing to pursue the turfgrass concentration spend their senior year studying at the Stockbridge School of Agriculture at the University of Massachusetts Amherst. “We’re promoting to students that it’s a great option,” Sue Erich, director of the School of Food and Agriculture, told the Sun Journal. “We have some businesses in the state that grow turf and sell turf — there’s a workforce piece to it.”

Study finds hormones may contribute to higher rate of salmon embryo survival, WABI reports

30 Jan 2017

A University of Maine study led by Heather Hamlin, an assistant professor of aquaculture and marine biology, has found high levels of two hormones in female, farm-raised Atlantic salmon may contribute to higher survival rates in their offspring, WABI (Channel 5) reported. Hamlin has been investigating why average salmon embryo survival has dropped from as high as 80–95 percent to 50 percent over the past 15 years. “We believe the endocrine system is involved because of this really high correlation,” Hamlin told WABI. “And so now what we’re hoping to do is do some other genetic work and follow that up and try and understand other mechanisms that might be involved.” [Mainebiz](#), [FIS](#) and [Undercurrent News](#) also reported on the study, and [Phys.org](#) published the news release.

Media cover Sen. King’s visit to UMaine to mark new Oak Ridge Lab partnership

30 Jan 2017

WABI (Channel 5), [WLBZ](#) (Channel 2) and [Mainebiz](#) reported on U.S. Sen. Angus King’s recent visit to the University of Maine to help announce a partnership between the university and Oak Ridge National Laboratory. The Tennessee-based lab has committed to help researchers at UMaine tackle the future of bio-based materials, including nanocellular technology, biofuels and additive manufacturing, in an attempt to strengthen Maine’s forest economy by bringing new technology jobs to the state. “What we’re talking about now is building upon, not replacing, the traditional forest-based economy of Maine, because sawmills and paper and paper-based products are still important, but also finding new markets and new products and new ways to add value and jobs in the state of Maine based upon this resource that we have,” King said during a press conference at UMaine.

UMaine and UMM Present Consensus Recommendations for A New Public Higher Education Partnership and Service to the Downeast Region

30 Jan 2017

Board presentation initiates engagement on partnership recommendations to include campus and community discussions to gather feedback and solicit input around plan implementation University of Maine President Susan J. Hunter and University of Maine at Machias President Sue Huseman jointly presented recommendations to the University of Maine System Board of Trustees for a new governance relationship creating new opportunities to share resources between the institutions. The recommendations were developed by the Primary Partnership Structure and Governance Task Team which includes campus and community leaders from both UMaine and the University of Maine at Machias, as well as the University of Maine System Chancellor’s Office. The recommendations call for Machias to become a regional campus of the University of Maine, while maintaining the University of Maine at Machias name, its distinct, regionally-focused mission, unique degree programs that serve the region’s interests, and its own community-focused Board of Visitors to support the Machias campus and its local leadership. Developed to comport with the University of Maine System Charter as well as state law, the plan establishes a structure that facilitates intercampus collaboration while remaining responsive to regional needs. The plan recommends a July 1, 2017 launch of the new governance relationship. The presentation to the Board initiates a campus and community engagement process to discuss the recommendations. The Board will act on the final recommendations at its March 26–27 meeting. Please follow [this link](#) for a background document on the consensus recommendations. Please follow [this link](#) for the material presented to the Board. Please follow [this link](#) for background on the launch of the Primary Partnership. The universities will be distributing media advisories, invitations to participate in the engagement process, and links to survey tools to provide public comment and input in the coming days. Contact: Dan Demeritt, 581.5441

Koizar, Orach, Veljacic earn 'M' Club Dean Smith Awards

31 Jan 2017

Sigi Koizar, Jesse Orach and Sydney Veljacic were named the 2017 "M" Club Dean Smith Award recipients Monday, Jan. 30, at the 28th annual Scholar-Athlete Recognition ceremony.

The award is named for Dean Smith, an electrical engineering major, captain of the 1989–90 UMaine men's basketball team and winner of the 1990 NCAA Walter Byers Award as the nation's top male student-athlete.

In addition, 191 Scholar-Athletes were recognized for achieving a 3.0 or better grade-point average in the previous spring and fall semesters, and/or maintaining a 3.0 or better accumulative GPA. And, 82 first-year students were honored as Rising Stars for their academic success. Learn more about the 2017 "M" Club Dean Smith Award recipients [online](#).

UMaine to celebrate Black History Month with flag raising, film screening

31 Jan 2017

Black History Month at the University of Maine will kick off at noon Feb. 1 with an opening ceremony and Black Lives Matter flag raising at the Memorial Union. Among the other event highlights: Feb. 8, the Office of Multicultural Student Life will show the film "Southside With You" at the Collins Center for the Arts at 8 p.m. The critically acclaimed 2016 movie tells the story of one-day president and first lady Barack Obama and Michelle Robinson. Artist and UMaine graduate student Eleanor Kipping will give a talk on her latest installation, "The Brown Paper Bag Test," at 1 p.m. Feb. 10 at UMaine's Innovative Media Research and Commercialization (IMRC) Center. The installation will be on display at the IMRC Center from noon to 8 p.m. Feb. 7–13. At 6 p.m. Feb. 15, the Wilson Center will present a program on Shirley Chisholm's role in the Civil Rights Movement. In 1968, Chisholm became the first African-American woman elected to the United States Congress. In 1972, she was the first African-American to run for president and the first woman to run for the the presidential nomination in the Democratic Party.

UMaine Extension, Aroostook farmer research new potato rotation crops, BDN reports

31 Jan 2017

An organic grain grower from Benedicta, working with the University of Maine Cooperative Extension and Maine Potato Board, is testing field peas, chickpeas and lentils, as possible third rotation crops for potato farmers in Aroostook County, the [Bangor Daily News](#) reported. The trials are taking place at Aroostook Farm, UMaine Extension's potato research facility and fields in Presque Isle. [PotatoPro](#) also carried the BDN article.

UMaine Museum of Art's winter exhibits featured in BDN

31 Jan 2017

The [Bangor Daily News](#) reported on three exhibitions on display through May 6 at the University of Maine Museum of Art in downtown Bangor. The centerpiece of the museum's winter exhibits is "Brenton Hamilton: 20 Years," a mid-career retrospective of the Maine-based photographer's work, according to the article. Hamilton uses old-fashioned photographic techniques to create images that blur the line between the antique or historic and the decidedly contemporary, the article states. "There's now a resurgence of people that are working in photography in those early processes," said George Kinghorn, the museum's director and curator. "I think that's certainly a response to the prevalence of digital. There's so much digital photography, and this is kind of a counterbalance to that, investigating those old processes in a contemporary way." Also on display is "Siobhan McBride: Four Hour Fortune Cookie" and "Jared Cowan: The Life of David." The museum is open from 10 a.m. to 5 p.m. Tuesdays through Saturday. Admission is free.

Media report on proposal to make Machias a regional UMaine campus by July

31 Jan 2017

The Associated Press, [Portland Press Herald](#), [Bangor Daily News](#), [WABI](#) (Channel 5), [WLBZ](#) (Channel 2) and [WVII](#) (Channel 7) reported on a proposal to make University of Maine at Machias a regional campus of the University of Maine by July. Under the proposal, the campus name would not change, students would still graduate with University of Maine at Machias diplomas and all sports programs would be unchanged despite the two campuses being in different divisions, according to the Press Herald. Instead of a president, UMM would be led by an "executive dean" who would report to the UMaine president. The proposal, which was presented to system trustees Monday, will be discussed at campus and community meetings in the coming weeks, and the trustees will vote on the recommendations at their March meeting, the Press Herald reported. "We think we can bring some capability to this that will allow to free them up and be more successful in their location," UMaine President Susan J. Hunter told WLBZ. [Maine Public](#), [SFGate](#), [The Washington Times](#) and [Greenwich Time](#) carried the AP report.

BDN announces 'M' Club Dean Smith Award winners

31 Jan 2017

The [Bangor Daily News](#) reported on the three 2017 "M" Club Dean Smith Award winners announced during the University of Maine Scholar-Athlete Recognition Ceremony. This year's winners are Jesse Orach, a cross country and track athlete from Gorham; Sigi Koizar, a women's basketball player from Vienna, Austria; and Sydney Veljacic, a member of the field hockey team from Coquitlam, British Columbia. The award is presented annually to the top male and female student-athletes with outstanding academic and athletic achievement along with citizenship and community service. Koizar and Orach each won the award for the second straight year.

Inside Higher Ed reports on UMaine's Regional Graduate Scholarship

31 Jan 2017

The University of Maine is extending its Flagship Match tuition scholarship program to graduate students, [Inside Higher Ed](#) reported. The Regional Graduate Scholarship will be available in fall 2017 to fully admitted graduate students from Connecticut, Massachusetts, New Hampshire, New Jersey, Pennsylvania, Rhode Island and Vermont, according to the article. Out-of-state tuition for students in the program will drop from \$1,361 per credit hour to \$650 per credit hour for 22 programs, the report states.

Eric Morrison: Virtual reality installation brings sea farm to life

01 Feb 2017

Next month, visitors to a new exhibit at the Maine Discovery Museum in Bangor will be able to don a virtual reality headset and become immersed in a fish farm, seeing a 360-degree, panoramic, 3-D underwater world created by University of Maine new media senior Eric Morrison. Wearing a VR headset, a visitor will be engulfed in the sights and sounds below the ocean surface. Farm-raised Atlantic salmon will whiz past in every direction and the user will be able to use robotic hands to interact with the fish. Morrison's project is part of "Sea What Grows Aqua Farms," a sea farming exhibit opening at the Maine Discovery Museum in partnership with the University of Maine's Aquaculture Research Institute, Maine EPSCoR and the Sustainable Ecological Aquaculture Network (SEANET). The exhibit opens to the public on Saturday, Feb. 4. "One of the exhibit's main goals is for visitors to learn about aquaculture. This exhibit is part of a growing education and outreach program that aims to increase understanding about the importance of aquaculture as a growing industry in Maine, and to increase awareness of aquaculture as a career choice," says Anne Bowden, associate director of UMaine's Aquaculture Research Institute. https://youtu.be/4_kO2JOP510 [Read transcript](#) Morrison's contribution to the exhibit comes out of a longstanding collaboration between the museum and UMaine's New Media Department. For the past 10 years, teams of students in an interactive design course, taught by new media instructor Mike Scott, have been given a challenge for their final class projects: come up with detailed proposals and mock ups for interactive installations that could complement museum exhibits. "Over the years, we could almost always tell, from the original idea, if it was going to turn into a good proposal or not," says Trudi Plummer, the Maine Discovery Museum's director of education. Eric's final product, she says, "was very close to the original idea." That original idea took shape the way most of Morrison's new media creations do — as brainstormed sketches on a drawing pad. In one set of drawings, the York, Maine native sketched the physical exhibit space where the virtual reality experience would take place. "What we're trying to do is teach kids, through virtual reality, the basics of what a fish farm is — just show them this is what it looks like, in first person, to be inside the fish farm with the fish," Morrison says. Morrison, who is a passionate sailor, grew up on the ocean and drew on that experience as he depicted a working waterfront motif. That vision has remained largely intact. The floor in the "Sea What Grows Aqua Farms" exhibit room is painted to look like a dock. In addition, pylons rise out of the floor. There are ropes, cleats and pulleys used to harvest mussels. And there's a mural of the open ocean, complete with the hulls of two boats sticking out of the wall. Sketching out what the user would experience while wearing the virtual reality headset was more of a challenge. Before working on the project, Morrison knew little to nothing about sea farming. "When you walk into the room, it's supposed to simulate what it's like to walk onto a real dock and have the fish farm below you. I probably spent 10 or 15 hours on the internet just researching to figure out where to start," says Morrison, who also found out from his online research what farm-raised Atlantic salmon and the mesh-framed sea cages they live in ought to look like. In high school, Morrison developed a passion for painting and drawing. At UMaine, he discovered that a degree in new media would allow him to satisfy his interest in art, while pursuing his other passion — technology. A major outlet for Morrison's creativity at UMaine has been his work with ASAP Media Services, a student-run, research and development lab that undertakes projects for on- and off-campus clients. "We make things with technology. We like to push the limits of what we're capable of and challenge the students we're working with," says Morrison, who is now the lab's student leader. Through ASAP Media Services, Morrison has worked on other virtual reality installations, including an innovative project at Acadia National Park. Interpreters And Scientists Working On Our Parks (iSWOOP) is an organization, funded by the National Science Foundation, that works with the National Park Service to enhance visitors understanding of the science taking place in the parks. iSWOOP hired ASAP Media Services to develop a virtual reality installation that will teach visitors what 20,000 years of climate change has looked like at Acadia. After he graduates, Morrison says he wants to work in new media, especially at a time when virtual reality in the consumer market is growing rapidly. Contact: Jay Field, 207.581.3721; 207.338.8068

Transcript

Eric Morrison: What we're trying to do is teach young kids, through virtual reality, the basics of what a fish farm is, because that's just sort of a vague concept that young kids would struggle with. It's fish on a farm. You think pigs and cows and stuff, but to immerse them and show them, "This is what it looks like in first person, to be inside the fish farm with the fish." Basically how this works is there's an accelerometer in this. If you look, everything in the screen on the front stays relative to where the head is. Little lenses inside that focus your eyes onto the screen back here. This is showing, it shows up in this random location. This is saying New Vector 3, which is a new vector, a random location. This was a final project for my New Media 306 class with Mike Scott. He's had a deal with the Discovery Museum, where we create a proposal. We propose what an exhibit would look like. **Trudi Plummer:** A salmon pen is really not all that interesting. It looks like a giant floating circle on the water surface. Everything that's interesting in it, it happens underwater. There really isn't any good way for us to show that, but the headset allows kids to literally dive underwater into the pen, see the enclosure, and interact with the salmon that are swimming around in there. It was a wonderful experience. It was a really, really successful project that he developed. Hopefully, this is the beginning of how we can utilize this kind of technology in a children's museum. **Eric Morrison:** This is the salmon. I'm going to smooth it out a little bit. The environment itself, I can place grass. I made this cage that's here. I made water that reflects from the top. I've definitely been able to apply everything that I've learned. I've tried to focus on user experience design in my major. **Man:** Oh, I just caught a fish. **Eric Morrison:** New Media is really just trying to figure out, there's this new thing that we all have access to and people are making. What do we do with it? How do we apply this to our world? How do we use it? It's being applied for therapy, military training, and a lot of things that people didn't expect it to be used for. It's not really content rich. You're not going to learn a lot of statistics about Maine. You're not going to learn a lot of the details about how aquaculture works, because that would go over most of kids' heads. Teaching kids that you can grow fish on a farm is a pretty big concept, just to get them to comprehend. It's been an awesome experience for me to be able to take what I've learned, and apply it, and have something left behind. [Back to post](#)

Mark O'Connor, six-time CMA Musician Of The Year, returns to CCA

01 Feb 2017



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Mark O'Connor

Eight days after Mark O'Connor and his band perform at the University of Maine, their 12-song "Coming Home" album could take home Best Bluegrass Album at the Grammy Awards. The O'Connor Band, which fuses country, acoustic pop, folk, classical and Americana, plays at 8 p.m. Saturday, Feb. 4 at the Collins Center for the Arts. The 59th annual Grammy Awards will be celebrated Feb. 12 in Los Angeles. The band includes four talented members of the O'Connor family — Mark, fiddler; Maggie O'Connor, fiddler; Forrest O'Connor, mandolin player and vocalist; and Kate Lee, fiddler and vocalist. Joe Smart, the 2005 national flatpick guitar champion, and Geoff Saunders, double bassist and old-time banjo player, also are bandmates. This is a return visit for Mark O'Connor, who performed at UMaine in 2015. O'Connor, who developed an instructional playing method for string instruments, was inspired at age 8 to play the fiddle when he watched Cajun musician Doug Kershaw perform on "The Johnny Cash Show." His parents bought him a fiddle for \$50 at a pawnshop. O'Connor is a former national champion on the fiddle, guitar and mandolin and he won a record-breaking six consecutive Country Music Association Musician Of The Year Awards from 1991 to 1996. He has sold more than 2 million CDs as a solo recording artist and in a three-year period as a session musician, he recorded more than 500 albums with Dolly Parton, James Taylor, Paul Simon, Randy Travis, The Judds and others. And, he already has won two Grammy Awards. Tickets for The O'Connor Band featuring Mark O'Connor are \$29 for balcony seats, \$37 for orchestra seats and \$6 for K–12 students. Tickets may be ordered [online](#). Orders that include K–12 tickets must be purchased in person or by calling 581.1755 and picked up at the box office the night of the performance. Anyone requesting an accommodation also may call. Categories: Campus announcements; Arts

Nine earn scientific diving certification at DMC

01 Feb 2017

Nine undergraduate and graduate students recently earned their scientific diving certification at the University of Maine Darling Marine Center in Walpole. Scientific divers use scuba or other diving equipment to study the underwater environment, says UMaine diving safety officer Christopher Rigaud. "Our students spend many hours learning about diving physics, physiology, equipment, first aid and rescue techniques, while studying regulatory and scientific policy and procedures," Rigaud says. "They're also putting those skills into practice under the water." Students earned their certification after successfully completing SMS 324, Introduction to Research Diving. A total of 87 scientific divers have taken part in one of the 11 sessions offered in the last nine years. Graduates have won numerous awards and scholarships. "I would love to incorporate what I learned from the course into my career," says Lauren Rice of Harpswell. "When you're diving, you can get up close and personal with the animal or the subject you're studying. That's a valuable experience for a scientist." Rice says being underwater is thrilling — especially at night. "The bioluminescence was strong, so every movement we made sent small blue sparks shooting into the darkness around us," she says. "It felt like we were swimming through the stars. It was surreal." SMS 324 will be [offered this summer](#) at the DMC. More about the course is [online](#). UMaine follows the [American Academy of Underwater Sciences standards](#).

UMaine Extension cited in BDN article on ready-made dinner services

01 Feb 2017

The University of Maine Cooperative Extension was mentioned in a [Bangor Daily News](#) article about Maine-based call-ahead dinner services. The small businesses post a menu, customers order, and on a specific day, the freshly prepared dishes are delivered to the customer, who now has enough food for between one and three meals for the week, according to the article. Access to a commercial kitchen is one of the main hurdles for those who want to start a pre-made dinner service or other small-scale food business, the article states. However, several commercial kitchens are available to rent across Maine, and UMaine Extension also offers limited use of its commercial kitchen at its Bangor office, the BDN reported.

Brewer explains 'sanctuary cities' in Kennebec Journal article

01 Feb 2017

The [Kennebec Journal](#) spoke with Mark Brewer, a political science professor at the University of Maine, for an article about recent false reports issued by the Maine Republican Party that Gardiner and Hallowell were seeking sanctuary city status. Elected officials in both cities have said in recent days that they want to be welcoming places for immigrants and refugees in the wake of an executive order that temporarily bans travel from seven Muslim-majority countries, according to the article. However, the officials stated they are not seeking "sanctuary city" status. A sanctuary city is a term without a specific legal definition, the article states. "It's not entirely clear what it means," said Brewer, who added a sanctuary city is one that has moved, either by formal policy or informal practice, to shelter immigrants from certain federal immigration policies. "As a candidate, Trump said he would crack down on sanctuary cities," Brewer said.

“His supporters see this as a simple demand to follow the law of the land. Opponents think it’s discriminatory and nativistic, and they are doing the humanitarian thing.” Several U.S. cities, including Chicago, New York, San Francisco and Seattle, have declared themselves to be sanctuary cities, but Brewer said no city in Maine has identified itself that way.

Ranco cited in Grist report on lack of access to healthy food for Native Americans

01 Feb 2017

Darren Ranco, an associate professor of anthropology and director of Native American research at the University of Maine, was mentioned in the [Grist](#) article, “Many Native Americans lack access to healthy food, but there’s a growing movement to change that.” The article states one-in-four Native Americans live in poverty, according to census data, and Native Americans are twice as likely as white people to lack access to safe, healthy foods — ultimately leading to obesity and diabetes. Local gardens are a budding solution to the food insecurity that plagues indigenous communities, the article argued. Climate change makes these efforts especially urgent, Ranco said. He added homegrown food protects health and prepares Native American communities to survive climate change. [Salon](#) also published the Grist article.

Paste interviews Comins about latest book, space travel

01 Feb 2017

Neil Comins, a professor of physics and astronomy at the University of Maine, was interviewed by [Paste](#) ahead of the release of his latest book, “The Traveler’s Guide to Space: For One-Way Settlers and Round-Trip Tourists.” Comins discussed the book and his thoughts on space travel in general. When asked if he would go into space, Comins responded, “Yes I would, even knowing what I know. I’ve done a lot of things, and that’s one that’s sort of outside the realm of anything I’ve done. And my life has been a process of exploring, so that would be something to explore.”

Chronicle of Higher Education publishes piece on college earnings by Trostel

01 Feb 2017

Philip Trostel, a professor of economics and public policy at the University of Maine, wrote an article for The Chronicle of Higher Education titled, “Beyond the college earnings premium. Way beyond.” “Despite the rising cost, a college education is still practically a windfall-profit investment for most graduates,” Trostel wrote. “In 2012, Americans with bachelor’s degrees and without advanced degrees earned over \$32,000 a year more than high school graduates who never attended college.”

UMaine grads take part in Super Bowl, World Cup races

02 Feb 2017

Fans of the University of the Maine have a lot to cheer about. Former Black Bear football star Trevor Bates is a practice player for the New England Patriots, who square off with Atlanta on Sunday, Feb. 5 in Super Bowl LI. If the Patriots win, Bates will earn a Super Bowl ring. The December 2015 graduate is in Houston prepping the Patriots offense for what the Falcons defense may do at NRG Stadium in Houston, Texas. The [Portland Press Herald](#) spoke with Bates this week in Houston. The linebacker from Westbrook has been a member of the team’s practice squad since November. He has twice been named a Practice Player of the Week. Bates was a three-time All-Colonial Athletic Association player for the Black Bears. In mid-December at Olympic Village in Lake Placid, New York, UMaine graduates James Reed and Frank Del Duca excelled in their respective four-person bobsled World Cup races. Both are members of the USA Bobsled National Team. They live and train in Lake Placid and are striving to make the 2018 U.S. Olympic team that will compete in South Korea. Reed was a hurdler at UMaine. The 2013 graduate earned his first World Cup silver medal with teammates Steven Holcomb, Carlo Valdes and Sam McGuffie. Del Duca was a sprinter and long jumper for the Black Bears. The 2013 graduate’s four-person bobsled team placed fourth in Lake Placid. Four UMaine alums — Jim Geary, Douglas “Ben” Reed, Lauren Reed and Geraldine (Geary) Reed — cheered on Reed and Del Duca in Lake Placid during the Dec. 12–17 competition.

Ph.D. candidate’s article earns International Award for Excellence

02 Feb 2017

A University of Maine doctoral candidate co-wrote an article that won the International Award for Excellence for The International Journal of Climate Change: Impacts and Responses, Volume 8. Kisei Tanaka, who wrote “Climate Change, Conflict, and Moving Borders” with James Lee of American University, is affiliated with the Climate Change Institute and the Ecology and Environmental Sciences Program. Lee and Tanaka’s article assesses whether climate change can accelerate conflict by increasing the rate of natural border change. Their examination of likely climate forecasts suggests greater border conflict due to changes in rivers, glaciers and coastlines. They reviewed nine historical cases that indicated both peaceful and hostile responses to border movements. In each case, the dispute came down to differences in measurement rules and their interpretation. The lessons are instructive for dealing with future challenges and developing a system of policy responses, the authors say. “Often, the consequences of climate change are discussed as a direct impact on the well-being of human society such as intensified storms, prolonged drought, changes in precipitation patterns and sea-level rise,” Tanaka says. “However, it is also crucial to acknowledge that all these climate-induced changes in the environment indirectly can act as a catalyst for potential and realized border disputes between nations. “I believe this research can contribute to the growing recognition that movement in natural borders is accelerating due to climate change and the notions of equal and equitable territorial claims will need to evolve accordingly.” The article was selected for the international award from among the 10 highest-ranked articles emerging from the peer-review process and according to the selection criteria. Tanaka takes part in the National Science Foundation-sponsored Integrative Graduate Education and Research Traineeship (IGERT) at UMaine. The joint program of the CCI and the School of Policy and International Affairs focuses on adaptation to abrupt climate change. The International Journal of Climate Change: Impacts and Responses is a scholarly, peer-reviewed journal with an acceptance rate of 34 percent and a circulation of more than 320,000. It focuses on distinct themed areas including: scientific evidence; assessing impacts in divergent ecosystems; human impacts and impacts on humans; and technical, political and social responses.

Students mark start of Black History Month, media report

02 Feb 2017

The [Bangor Daily News](#), WLBZ (Channel 2), WABI (Channel 5) and [WVII](#) (Channel 7) covered an opening ceremony at the University of Maine to mark the beginning of Black History Month. The Office of Multicultural Student Life is celebrating throughout the month with events such as film screenings, talks and presentations. "Together we are unified and stronger," said Robert Dana, UMaine's vice president for student life and dean of students, who spoke at the event. "We're all coming together to exercise our voice — all races, all faiths, all ethnicities, are together."

Top Gun names startups to 'Maine 2017 Class,' MaineBiz reports

02 Feb 2017

[MaineBiz](#) reported on the members of the Top Gun Maine 2017 Class announced by the Maine Center for Entrepreneurial Development (MCED), University of Maine, Lewiston-Auburn Economic Growth Council and MaineStream Finance. This year marks the first time sessions will convene in Portland, Bangor, Rockland and the Lewiston-Auburn regions, according to the article. Since the program started in 2009, it has helped more than 140 entrepreneurs across the state accelerate their businesses. Entrepreneurs selected for each cohort completed a rigorous application process that included submitting a pitch deck, presenting to a panel, interviews and participating in an optional PreFlight workshop series, the article states. The Top Gun program is hosted and organized by UMaine in the Bangor region in partnership with the MCED.

Press Herald, King cite UMaine in stories, commentary on reviving forest products industry

02 Feb 2017

A partnership between the University of Maine and a federal Economic Development Assessment Team (EDAT) is working to revive the state's forest products industry, wrote U.S. Sen. Angus King in a [Seacoast Online](#) commentary, and the Portland Press Herald in a feature [story](#) and accompanying sidebar [piece](#). In his commentary, King noted an EDAT report, released last month, outlining strategies for reviving the industry and the awarding of a \$1.5 million federal grant to help support new forest products research and innovation at UMaine. As part of the effort, UMaine will work with the Oak Ridge National Laboratory to develop biomaterials from the forest. The Press Herald notes the work between the university and the federal government in stories about ongoing efforts to turn shuttered biomass plants and paper mills into bioenergy parks, where trees could be used to make fuel, food, electricity and other products.

WABI covers UMaine Career Fair

02 Feb 2017

[WABI](#) (Channel 5) reported on the 19th annual University of Maine Career Fair held at the New Balance Student Recreation Center. More than 150 employers from Maine and around the country with job and internship opportunities were represented at the fair. Many company employees who attended are UMaine alumni, WABI reported. Crisanne Blackie, director of the UMaine Career Center, said it's common for employers to hire after the fair because the students come prepared. "One employer said to me, 'They come here because they mean business. They're really looking to make something happen in their lives and they're not just walking around. They're really making an effort to be very professional,'" Blackie said.

UMaine wireless leak detection system installed on space station, NASA reports

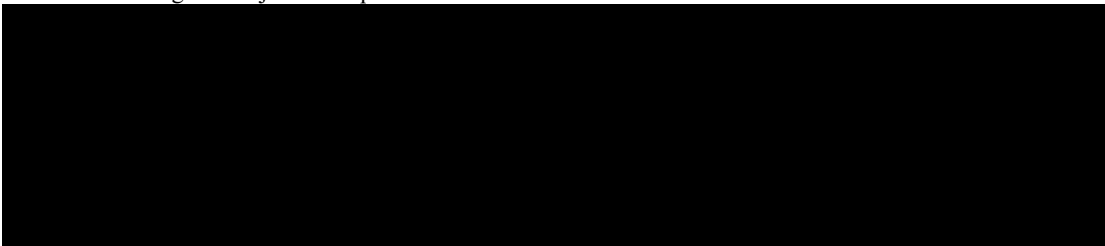
02 Feb 2017

[NASA](#) reported in its weekly recap that the crew of the International Space Station has installed a wireless leak detection system that was developed at the University of Maine. On a spacecraft, leaking air, fluids or gases can cause stability problems and jeopardize crew members' safety, according to the article. Air leaks can cause ultrasonic noise that humans cannot hear, but detecting the sound is a useful way to monitor for leaks and pinpoint their location. The investigation compares signals received at various ultrasonic sensors to reveal the location of air leaks to be repaired, the article states. After two days of readings, a NASA astronaut retrieved the sensors and downlinked the data to scientists on Earth, including Ali Abedi, a professor of electrical and computer engineering who led the UMaine project with his students.

Researchers help salmon farmers confront threat to their industry

02 Feb 2017

It's a mystery that has puzzled University of Maine assistant professor of marine biology and aquaculture Heather Hamlin and the salmon farming industry in New England: the decline in egg survival. The survival rate of fertilized salmon eggs had been as high as 80 percent. But beginning in 2000, salmon embryos began dying in large numbers and the average survival rate fell to around 50 percent. Previous studies have shown that a range of factors can negatively impact egg quality and production, including nutrition, stress, temperature and the endocrine status of the female. Until recently, businesses such as New Brunswick-based Cooke Aquaculture, which runs farming operations at several sites in Maine, knew little about why some of its eggs were dying and others were surviving, despite having come from same strain females, cultured under similar conditions. Now a UMaine study has found that two hormones may play significant roles in achieving an 80 percent embryo survival rate. Hamlin and LeeAnne Thayer, a UMaine Ph.D. candidate in marine sciences, wrote about their findings in the journal *Aquaculture Research*.





[Read transcript](#) For the past five years, Hamlin and Thayer have been taking tissue samples from Atlantic salmon ages 2–4 at three sites: the National Coldwater Marine Aquaculture Center run by the U.S. Department of Agriculture at UMaine’s Center for Cooperative Aquaculture Research in Franklin; and two sites owned by Cooke Aquaculture — a fresh-water breeding site in Bingham and a sea cage site in Eastport. In their research, Hamlin and Thayer incubated fertilized eggs and monitored their development. What they watched for was the development of the embryos’ eyes in the bright orange eggs — a good indication that the egg will ultimately hatch. For Hamlin and Thayer, a major focus of their research has been the endocrine system, which includes the hormones, the tissues that produce them and the genes that regulate them. Because hormones regulate much of reproduction and embryonic development and many other systems, the researchers wanted to determine if there was a difference in the hormone profiles of the females producing batches of eggs with high and low survival rates. Hamlin and Thayer found that female Atlantic salmon with the highest levels of 11-ketotestosterone, an androgen, and 17-beta estradiol, an estrogen, were more likely to produce embryos with an 80 percent survival rate. The project was a natural next step in Hamlin’s research career focused on the intersection of endocrinology and reproductive health. The Hampden, Maine native received her bachelor’s and master’s degrees from UMaine. She was an assistant professor in the department of obstetrics and gynecology at the Medical University of South Carolina before returning to her alma mater in 2011. “How do I use what I’ve done in the past to address problems that are important to Maine?” says Hamlin. “It’s a really important part of our scholarship and research. It has less utility, in my opinion, if it can’t benefit the people of Maine.” Hamlin found the research project that would allow her to fulfill this goal a few months before beginning her job in Orono. That spring, she was invited to a salmon hatchery roundtable in Bangor. Commercial aquaculture producers, marine scientists and state and federal officials gather biannually to discuss challenges facing hatcheries in New England. At the meeting, Hamlin learned about declining embryo survival rates in farmed Atlantic salmon. Hamlin’s Ph.D. research at the University of Florida had examined how pesticides, nitrates and chemicals in plastics affected the reproductive health of alligators, sharks, chickens, Siberian sturgeon and turtles. Later, in South Carolina, the reproductive endocrinologist worked at the Hollings Marine Laboratory, where she did research on marine animals in an effort to learn more about problems impacting maternal fetal health. In the declining survival rates of salmon embryos in New England, Hamlin saw an opportunity to use her expertise in endocrinology and reproduction to help solve a major problem facing an industry vital to Maine’s economy. Cooke Aquaculture operates salmon farming operations in New Brunswick, Nova Scotia, Newfoundland, Chile, Scotland, Maine and Washington and sea bass and sea bream farming operations in Spain. The Cooke family of companies now includes wild salmon and groundfish processing, through Icicle Seafoods, Inc. in Alaska, as well as shrimp, oyster, scallop, king crab and other products through the Virginia-based Wanchese Fish Company and a hake fishery and processor, Cooke Uruguay (formerly Fripur). Cooke representatives were among the industry officials at the salmon hatchery roundtable in Bangor. Hamlin introduced herself after hearing about the salmon embryo survival problem, and proposed working together to solve the issue. The declining embryo survival rate creates unpredictability, which means the company must produce more eggs than needed to ensure a consistent supply of salmon for the marketplace. Hamlin will now turn her attention to hormonal processes related to egg assembly, ovulation or post-ovulatory aging. In the next phase of her research, Hamlin plans to analyze arrays of mRNA transcripts, or transcriptomes, in the tissues of farmed Atlantic salmon to see which systems inside the fish are the most stressed. “That could really help us sort of identify that needle in the haystack,” says Hamlin. “We can start to identify very specific pathways that might be affected. Then we might be able to definitively identify causes. That’s a relatively new area of research.” Contact: Jay Field, 207.581.3721; 207.338.8068

Transcript

LeeAnne Thayer: All the farmers had this one problem, and it was that their salmon egg survival was decreasing. It had been decreasing for about 10 to 15 years. All of them are like, “Why is this happening? What’s going on?” **Heather Hamlin:** Farmers used to be able to rely on 90 percent, maybe 80 percent or above in embryo survival. Today average embryo survival is around 50 percent. It’s significantly less than it used to be. **Greg Lambert:** If we have egg short fall at any given year, you can’t really plan for that. Maybe, instead of growing 30 million eggs, we might have to plan for 50 million eggs. You’re really spending a lot more money than you actually need to. **LeeAnne Thayer:** For a whole year we’re going to raise Atlantic salmon, and once a month we’re going to take their blood samples and see, “Are they going through their cycle?” I’m looking at the eyes because this is a significant milestone in their development. When the eyes appear, I know that there’s actually an embryo inside here and that the embryo is going to survive until hatch. **Amanda Charest:** I’m working on a capstone with Heather looking at the histology and development of larval Atlantic salmon to get good pictures of their development to track their cartilage and bone. My project helps them determine whether or not these female respond at the right time. Also, it helps to determine whether or not their hormones have anything to do with how the eggs are developing. Once the two data sets are put together, we can figure out if there’s a correlation between certain hormones and certain egg developmental processes. **Greg Lambert:** If we were able to bring back their survival back to 80–90 percent consistently, that would allow us to carry fewer brood stock on a given year, and that would be a huge saving for a company like this. **Heather Hamlin:** One of the great missions of the university is to help industry. It’s to help the economy of Maine. Our edict in our lab and many labs at the university is to basically try and help farmers. **Greg Lambert:** It’s very refreshing to see a researcher come to you and say, “What’s your problem? What can I help with?” [Back to post](#)

CCA stages Tony Award-winning best musical ‘Once’

03 Feb 2017

“Once,” a Tony Award-winning best musical, will be performed at the Collins Center for the Arts at 7 p.m. Tuesday, Feb. 7. The winner of eight Tony Awards in 2012 is about an Irish musician who plays at local pubs at night and repairs vacuums in a Dublin shop during the day. Guy is about to give up his music career when Girl, a Czech immigrant, hears him play his guitar and refuses to let him quit. Guy and Girl record a demo album and their friendship

evolves into a powerful, complicated love story. “Once,” which also won the 2013 Grammy for Best Musical Theater Album, doesn’t utilize an orchestra pit; the actors/musicians play instruments onstage. “Once in a blue moon, perhaps once a decade or so, a new Broadway musical breaks the rules, challenges expectations and delights audiences with something they didn’t realize they were longing for,” writes The Columbus Dispatch. “‘Once’ is that musical.” The musical is a stage adaptation of the award-winning 2007 film of the same name that was shot in 17 days for \$150,000 and starred Glen Hansard and Markéta Irglová. The Broadway show ran for 1,100 performances. Acclaimed international productions also have been performed in London, Melbourne, Japan and South Korea. Tickets are \$33, \$42, \$54 and \$64; group rates are not available for this show. Tickets and more information are available [online](#). Also for tickets or to request an accommodation, call 207.581.1755.

Maine Association of Broadcasters names 2016–2017 MAB Scholars

03 Feb 2017

The Maine Association of Broadcasters (MAB) recently announced the awarding of scholarship support to three University of Maine undergraduates. The 2016–2017 Maine Association of Broadcasters Scholars are Samuel Wheeler of Greenwood, Jonathan Petrie of Rumford, and Mark Paulette of Bangor. All three students are currently enrolled in the College of Liberal Arts and Sciences where they are majoring in journalism. The MAB Scholarships are awarded to encourage students interested in pursuing careers in broadcasting and digital media in the state. The MAB, in cooperation with UMaine’s Department of Communication and Journalism, administers the awards. Undergraduates who are residents of Maine and interested in careers in broadcasting and/or digital media production are eligible to apply.

Students speak with WABI about ride-sharing service founded by alumnus

03 Feb 2017

WABI (Channel 5) spoke with University of Maine students about working for and using the Tip Whip ride-sharing service. The service was created by recent UMaine graduate Spencer Wood. “All the drivers are college students, all the riders are college students, and it’s like modern-day hitchhiking,” Wood says. “There are no fees, it’s just a tip.” Similar to Uber or Lyft, students use the Tip Whip app to call a nearby driver. “It’ll actually tell them how much it would cost to take an Uber ride or how much it would cost to take a taxi to this location, and then how much it would cost if they decided to drink and drive,” Wood said, adding the student drivers keep 80 percent of their tips. UMaine students told WABI the service is a great way of saving money and staying safe. “I’m a broke college student, so I can’t afford a \$20 taxicab home,” said Jennifer Shevlin-Fernandes, a UMaine student and Tip Whip driver and rider. “You’re free to go out, and you don’t have to worry about walking home in the cold or getting stranded somewhere,” said Adam Green, a fellow UMaine student and Tip Whip user. “It makes you feel a lot safer and it’s just way more convenient.”

Republican Journal, Daily Bulldog report on April lottery to attend Camp North Woods

03 Feb 2017

[The Republican Journal](#) and [Daily Bulldog](#) reported the University of Maine will run Camp North Woods again this summer at the UMaine 4-H Camp and Learning Center at Bryant Pond. The camp will host children ages 8 to 10 from July 16–21 and children 10 to 12 from July 30–Aug. 4. Both weeks are coed and have space for 100 campers. A lottery to attend Camp North Woods will be held April 12.

State lawmaker writes Seacoast Online commentary on UMaine visit, need for engineers

03 Feb 2017

In a [Seacoast Online](#) commentary, Rep. Chris Babbidge of Kennebunk, wrote about his recent visit to the University of Maine College of Engineering with fellow state lawmakers. Though UMaine graduated 375 engineers last year — a record — Babbidge noted that state business, education and research institutions advertised for 1,450 engineering positions. “Dr. Dana Humphrey, the dean of the College of Engineering at UMaine, takes seriously his program’s responsibility to the state to do research relevant to Maine residents that moves Maine forward, and to provide the graduates needed to power Maine’s economy,” Babbidge wrote. “Students from all over the world come to the UMaine program, and 57 percent of his graduates stay in Maine. He says UMaine needs to double its number of graduates to begin to meet the needs of the state.”

Statistics compiled by Sorg show record Maine drug deaths in 2016, media report

03 Feb 2017

The [Bangor Daily News](#), [Portland Press Herald](#), WLBZ (Channel 2), [WMTW](#) (Channel 8 in Portland), [Penobscot Bay Pilot](#) and [WAGM](#) (Channel 8 in Presque Isle) reported on 2016 Maine drug overdose death figures released by the state attorney general’s office. Maine overdose deaths climbed for the fifth straight year, soaring nearly 40 percent to claim a record 378 people, more than one person a day, according to the reports. Opioid drugs, especially fentanyl and heroin, caused most of the deaths, the study found. The 378 fatalities surpassed the previous record of 272 set in 2015, the Press Herald reported. In the [news release](#), Attorney General Janet Mills thanked the Office of the Chief Medical Examiner and Marcella Sorg, an anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine, for their work compiling the data.

UMaine Police Department offering reward for information

03 Feb 2017

The Mahaney Dome on Long Road was vandalized sometime between 6:30 p.m., Thursday, Feb. 2 and 8 a.m., Friday Feb. 3. The 17 cuts in the outer skin resulted in an estimated \$1,500 in damage, which is now being repaired. The Division of Student Life and UMaine Police Department are offering a \$500 reward for information leading to the arrest and conviction of the person(s) responsible for the vandalism. Contact Detective Keith Mercier, 207.581.4072; keith.mercier@umit.maine.edu with information. Anonymous tips can be left via [Campus Eyes](#). Note that information is always appreciated, but being anonymous makes it difficult to give you a reward.

Hudson Museum exhibit explores ancient cities and student discovery

03 Feb 2017

In many cities around the world, the ancient past and modern present blend seamlessly into a hundreds-of-years long story of continuous urban growth and decline. In Cusco, Peru, the stone walls of the Inca capital city serve as the foundations of 16th century Spanish colonial buildings which currently house modern restaurants and shops. And in Zadar, Croatia, gridded streets, radiating outward from the ruins of an ancient Roman forum, reflect urban planning principles over 2,000 years old and continue to shape the city today, says Gregory Zaro. “Ancient cities are not simply relics of the past, but rather historical echoes that exist within our modern urban areas,” says Zaro, associate professor of anthropology and climate change. Zaro has studied ancient cities around the world — from Peru, to Belize, to southeastern Europe — and since 2015 has led an archaeological field school for undergraduate students at Nadin-Gradina, an archeological site outside of the city of Zadar. The field school is an internationally collaborative program of field research and education between the University of Maine and the University of Zadar. This body of research is the subject of a new photography exhibit at UMaine’s Hudson Museum. The photographs tell the story of long-term urbanization and landscape change with a special focus on Zaro’s most recent research and field school in Croatia. The photo exhibit “UMaine Field School in Zadar, Croatia: The Archaeological Study of Ancient Cities” will run through April 27 in the Hudson Museum’s Minsky Culture Lab at UMaine’s Collins Center for the Arts. One photograph, showing an area excavated during the 2015 field school, reveals a dense area of walls and structures that range in age from the late Iron Age to the Late Middle Ages – a timeline spanning over 2,000 years. Nearby are the remains of a military bunker, which was in use as recently as the mid 1990s. Areas like Zadar, that have a long legacy of urban continuity, allow for archaeological research to make significant contributions to contemporary issues while generating knowledge about urbanism in the ancient, historic and modern worlds. The Nadin-Gradina Archaeological Project grew out of Zaro’s Fulbright experience at the University of Zadar in 2013 and to date has included 17 UMaine undergraduate students in research and education experiences abroad. While the integrated archaeological research and education goals are the focus of the program, Zaro says participating in daily life in Croatia is particularly rewarding. “The field school is a truly international experience,” says Zaro. “Students live and culturally interact within Croatian cities and towns and work in the field alongside Croatian university students. This gives them rich insight into life beyond the U.S. borders, which is a particularly rewarding element of the experience.” “The Hudson Museum has a longstanding track record of partnering with the Department of Anthropology and a mission of showcasing UMaine’s cultural research to the people of the state,” says Gretchen Faulkner, director of the museum. “Zaro’s exhibit highlights his international research through the lens of the student experience.” The Hudson Museum is free and open to the public from 9 a.m. to 4 p.m. Monday through Friday and from 11 a.m. to 4 p.m. Saturday. It also is open 90 minutes prior to CCA events and Bangor Symphony Orchestra performances as well as during intermissions. Contact: Walter Beckwith, 207.581.3729; Gregory Zaro, 207.581.1857

Engineering-News Record names Dagher a Top 25 newsmaker

06 Feb 2017

Habib Dagher, executive director of the University of Maine’s Advanced Structures and Composites Center, has been named one of 2016’s Top 25 Newsmakers by Engineering-News Record (ENR). The award will be formally presented in April in New York City. At that time, ENR also will announce which one of the Top 25 Newsmakers will receive the highest honor, the Award of Excellence. Dagher was selected based on achievements related to the New England Aqua Ventus I, offshore wind energy pilot innovations, the Bridge-in-a-BackpackTM technology and his work developing the UMaine Composites Center. “This award truly belongs to the entire UMaine Composites Center students, faculty and staff, and is a tremendous global recognition for the research and development accomplishments we’ve achieved at UMaine,” said Dagher. In its profile of Dagher, ENR cites his career-spanning achievements: “Engineering professor Dagher has set a high bar for R&D to propel his adopted state to new levels of achievement in clean energy and transportation technology.” Under Dagher’s leadership, the UMaine Composites Center has grown to a 100,000-square-foot research and development laboratory, with 180 employees and more than 500 clients and partners across the world. The center has gained a national and international reputation from major research and development projects such as: the VoltornUS 1:8, the first grid-connected floating offshore wind turbine in the U.S. and the first in the world made out of concrete and composite materials; the inflatable composite arch bridges Bridge-in-a-Backpack technology, now approved in the American Association of State Highway Transportation Officials code; the first Modular Ballistic Protection System, approved by the U.S. Army to protect troops in tents from blast and ballistic threats; the longest composite bridge in the world; development of coated wood technology for blast- and hurricane-resistant wood buildings; and the longest carbon-fiber composite vessel built for the U.S. Navy. Contact: Josh Plourde, 207.581.2117

At CCA, fall in love with the classic ‘Last of the Red Hot Lovers’

06 Feb 2017

A freshly conceived production of Neil Simon’s 1969 comedy “Last of the Red Hot Lovers” will be staged at 7 p.m. Thursday, Feb. 9 at the Collins Center for the Arts. During the decade of free love, Barney Cashman — middle-aged, married, overweight and overworked — sets out to join the sexual revolution before it’s too late. He arranges three trysts that all fall flat. One dalliance is with Elaine Navazio, a bawdy bundle of fun who likes smooth whiskey and married men. Another is with Bobbi Michele, a kooky, young actress. And still another is with Jeanette Fisher, a neurotic housewife married to his best friend. After various mishaps, Cashman rediscovers his humanity and finds love in the last place he thought to look. Philadelphia Weekly described the production as “spectacular, electrifying, stupendous.” “Last of the Red Hot Lovers” ran from 1969 to 1971 on Broadway and was made into a 1972 film of the same name with Alan Arkin and Sally Kellerman. Tickets are \$25 for balcony seats, \$30 for orchestra seats and \$6 for high school students. Tickets may be ordered [online](#). Orders that include tickets for high school students must be purchased in person or by calling 581.1755 and picked up at the box office the night of the performance. Anyone requesting an accommodation also may call.

Call for Steve Gould Award nominations

06 Feb 2017

Nominations are currently being accepted for the 2017 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 and its ideals. Students, staff, faculty members and organizations serving the University of Maine are eligible. Those involved in acts of heroism may also 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 207.581.1516; amber.thompson1@maine.edu. The deadline for nominations is 4:30 p.m. Friday, March 10.

Stack, Peterson interviewed for Press Herald story on how DNA analysis is changing plant taxonomy

06 Feb 2017

The [Portland Press Herald](#) spoke with current and former University of Maine horticulturists for a “Maine Gardener” column on how advances in DNA analysis are influencing the plant naming decisions that take place every six years at the International Botanical Congress. “Every once in a while there comes an enormous breakthrough that breaks the system and causes people to rethink things, and that is what is happening now with DNA analysis,” said Lois Stack, who retired last month after a 30-year career as an ornamental horticulture specialist with UMaine Cooperative Extension. Stack told the Press Herald her students would sometimes roll their eyes upon hearing a plant’s botanical name had changed. Stack’s former colleague, Bryan Peterson, an assistant professor of environmental horticulture at UMaine, also noted the time when the International Botanical Congress changed the name of chrysanthemums, or garden mums, to a new genus, dendranthema, only to change it back, when every member of the congress except The Netherlands ignored the switch.

Marijuana still prohibited on college campuses, Press Herald, AP report

06 Feb 2017

The [Portland Press Herald](#) reported colleges and universities throughout Maine have been reminding students that marijuana is still prohibited on their campuses, regardless of pot’s new legal status elsewhere for those 21 and older. “Nothing will change here,” said Robert Dana, the University of Maine’s vice president for student life and dean of students, in response to if the campus rules banning the substance would be altered. The Associated Press cited the Press Herald article, and WABI (Channel 5) carried the AP report. WLBZ (Channel 2) and WABI (Channel 5) also spoke with Dana about the issue. “We have to adhere to federal law, there’s no way around it,” Dana told WLBZ.

UMaine contribution cited in WABI story on Maine Discovery Museum aquaculture exhibit

06 Feb 2017

[WABI](#) (Channel 5) reported on University of Maine senior Eric Morrison’s contribution to a new aquaculture exhibit at the Maine Discovery Museum in Bangor. Morrison, a new media major, created a virtual reality fish farm, where visitors can don a headset and become immersed in a 360-degree, panoramic, 3-D underwater world. “Sea What Grows Aqua Farms,” is a collaboration among the museum and UMaine’s Aquaculture Research Institute, Maine EPSCoR and the Sustainable Ecological Aquaculture Network (SEANET). The exhibit opened to the public Feb. 4.

Drummond, Venturini featured in Press Herald articles on bee research

06 Feb 2017

Frank Drummond, a professor of insect ecology at the University of Maine, spoke with the [Portland Press Herald](#) for the article, “The disappearance of Maine’s rusty patched bumblebee.” Drummond is the last known person to hold a Maine-born rusty patched bumblebee, according to the article. He held the bee in 2009 while his students collected specimen in Stockton Springs. When Drummond first started collecting bees in the state in 1989, the rusty patched bumblebee made up about 20 percent of the state’s overall native bumblebee population, but it had grown scarce by the late 1990s, suggesting a collapsing population, the article states. “With some of these catastrophic events, you don’t realize it until it has already happened,” Drummond said. “It wasn’t even in my mind that this was possibly the last time that this bee was going to be the last one we saw.” Kalyn Bickerman-Martens, a UMaine doctoral candidate working on native bee conservation, said there are only 250 species of bumblebees worldwide, so the fact that Maine has been home to 17 of them represents a strong diversity. Bickerman-Martens and Drummond spoke about their research into bee colony collapses, including possible causes such as a fungal pathogen called *Nosema bombi*. Eric Venturini, an assistant research scientist at UMaine’s School of Biology and Ecology, was the focus of another [Press Herald](#) article related to bee research. Venturini is pursuing his love of sustainable agriculture through research into bees and collaborations with farmers, according to the article.

Mainebiz reports on UMaine aquaculture impact study

06 Feb 2017

[Mainebiz](#) reported the economic impact of the state’s aquaculture industry continues to grow rapidly, according to a recent study from the University of Maine’s Aquaculture Research Institute. The report, released late last month, examined data from 2014. It found there were 107 aquaculture-related businesses, 1,078 industry jobs and \$56.09 million in labor income. The study went on to note that Maine’s coastline and marine resources leave the state poised to capitalize on continued growth in the industry in the coming years. By 2030, the report projects that 62 percent of all food fish will be produced by aquaculture.

Process Development Center focus of ‘Wild Maine’ radio show

06 Feb 2017

Michael Bilodeau, director of the Process Development Center at the University of Maine, was a recent guest on Bob Duchesne’s “[Wild Maine](#)” radio show on 92.9 FM The Ticket. The show focused on the center and its various research projects, particularly the new advanced products that can be made out of wood. Bilodeau said the center works primarily with industrial clients on products that are close to commercialization. “Traditionally we’ve been doing research in pulp and paper; finding ways to make it more efficient — better, faster, cheaper, that sort of thing — but it became clear that our clients were looking for more diversification in their product line, other revenue streams,” Bilodeau said. “Clearly we had to make different types of products with the decline in the demand for paper.”

School of Performing Arts brings new life to classic musical ‘The Pajama Game’

07 Feb 2017

The University of Maine's School of Performing Arts continues its 2016–17 theatre season with a production of the classic musical "The Pajama Game." Dawn McAndrews, producing artistic director of the Theater at Monmouth, is guest directing the UMaine production of the musical, written by George Abbott and Richard Bissell, with music and lyrics by Richard Adler and Jerry Ross, and based on Bissell's novel "7½ Cents." Performances in Hauck Auditorium will be at 7:30 p.m., Feb. 17–18 and Feb. 24–25; 2 p.m., Feb. 19 and Feb. 26; and 10 a.m., Feb. 23. Tickets are \$15 and are available [online](#); admission is free for UMaine students with a student MaineCard. "The Pajama Game" tells the story of a conflict between capital and labor in a sleepy factory town in Iowa. The musical premiered on Broadway in 1954 and won three Tony Awards, including Best Musical, but was propelled to popular fame by the movie adaptation starring Doris Day and many of the original Broadway cast members. While a show from the 1950s might be expected to have a softer approach to workplace conflicts and relationships, McAndrews says "The Pajama Game" is in many ways "more direct, open and candid about the struggle to be successful in finding love in the workplace." McAndrews started the rehearsal process by encouraging the actors to "trust the style and immerse themselves in it." "They've done a tremendous job of creating real people working together as a community and struggling to get what they need, whether that be love, employment or respect." McAndrews is certain that audiences will be surprised at how many of the irresistible, toe-tapping musical numbers they know. For the signature dance number, "Steam Heat," Portland-based choreographer Raymond Marc Dumont found inspiration in the original Bob Fosse choreography that is "exciting to perform, but extremely challenging and time-intensive to learn," says lead performer and first-year student Curran Grant of Rockland. "With the amount of work we're putting in, you'll think we've been dancing since we were 5," says Grant. Assistant director and UMaine junior Alan Estes of Newburyport, Massachusetts says audiences will love the fun and spontaneity of this production. "McAndrews creates ensemble really well," says Estes, who worked with guest director at the Theater at Monmouth as an intern. "It's been a lot of fun watching students give life to something six decades old."

Campus presentations by VPR/Graduate School dean finalists scheduled

07 Feb 2017

Editor's note: Due to the weather as of Feb. 15, two campus presentations have been rescheduled. The updated dates and times are below. Four finalists for the Vice President for Research and Dean of the Graduate School will be on campus Feb. 15–24. Public presentations on the topic, "Vision of Research and Graduate Study in a 21st-Century Land Grant University," will be followed by question-and-answer sessions, and receptions at the same locations. The campus community is encouraged to attend. All campus presentations will be held at 57 Stodder Hall and will be followed by a reception in the same location. Charles Amlaner Jr. Noon–1 p.m. Wednesday, Feb. 15 Donald Peterson 1–2 p.m. Friday, Feb. 17 Carol Kim 1:30–2:30 p.m. Monday, Feb. 20 Kody Varahramyan 1:30–2:30 p.m. Friday, Feb. 24 Short biographies of the candidates follow; full-length versions are available by contacting Dianne Avery, diannea@maine.edu; 581.1595. Dr. Charles Amlaner Jr. currently serves as the founding Vice President of Research, and is a Professor of Neurosciences and Animal Behavior at Kennesaw State University (KSU), Kennesaw, Georgia. He serves as the Chief Operations Officer of the KSU Research and Service Foundation, Inc., the main intake portal for all sponsored projects, intellectual property processing, and economic development including startup operations. Dr. Amlaner also served as the Graduate Dean for the Graduate College at KSU from 2009–15. Dr. Amlaner Chaired Departments of Zoology, Life Sciences, and Ecology & Organismal Biology spanning a 23-year period at the University of Arkansas, Fayetteville and Indiana State University (ISU). He also served as an Administrative Fellow (Assistant Dean) for Research and Graduate Affairs in the College of Arts and Sciences at ISU. With this academic and administrative background, he managed a broad array of academic degree programs, established a wildlife and fisheries cooperative research unit, directed major multidisciplinary grant research projects, managed a \$30 million to \$33 million grant/contract portfolio, supervised complex university building and renovation projects, and organized strategic and tactical administrative matters pertaining to all aspects of faculty life in a multidisciplinary academic environment. Dr. Amlaner is the founding director of the Animal Sleep Research Group. For over 30 years, this group was responsible for studying the evolutionary significance of sleep in animals. Dr. Amlaner is best known for his work in biotelemetry and radio tracking. Dr. Donald Peterson is a tenured Professor of Engineering and recently served as the Dean of the College of Science, Technology, Engineering, and Mathematics at Texas A&M University in Texarkana. He is a joint professor in the Department of Biomedical Engineering (BMEN) at Texas A&M University in College Station and is also a Fellow of the American Institute for Medical and Biological Engineering (AIMBE). Before arriving at Texas A&M in 2014, he was an Associate Professor of Medicine and the Director of the Biodynamics Laboratory in the School of Medicine at the University of Connecticut. Dr. Peterson has a B.S. in Aerospace Engineering and a B.S. in Biomechanical Engineering from the Worcester Polytechnic Institute and a M.S. in Mechanical Engineering and a Ph.D. in Biomedical Engineering from the UConn. He has 20 years of experience in academia in engineering and medicine, and also served as the co-Executive Director of the Biomedical Engineering Alliance and Consortium, a nonprofit organization dedicated to the promotion of collaborative research, translation and partnership among academic, medical, industry and entrepreneurial professionals in the development and support of new medical technologies and devices. Dr. Peterson has over 20 years of experience in engineering and medical research, which has been focused on measuring and modeling injury biomechanics and human, organ, and/or cell performance, including exposures to various physical stimuli and the subsequent biological responses. His research also involves the investigation of injury mechanisms and human–device interaction. Dr. Carol Kim is the Vice President for Research, Dean of the Graduate School, and a Full Professor at the University of Maine. She received her Bachelor of Arts degrees in Biological Chemistry and Philosophy from Wellesley College and her Ph.D. in Microbiology from Cornell University. After completing her postdoctoral training at Molecular Probes, Inc. and Oregon State University, Dr. Kim joined the University of Maine in 1998 as an Assistant Professor in the Department of Molecular and Biomedical Sciences. In 1999, she established the University of Maine Zebrafish Facility, a shared resource for university researchers, and pioneered the use of the zebrafish model for infectious disease research. Her work has been supported by numerous federal and state funding agencies including the NIH, NSF, USDA and NASA. Prior to her appointment as Vice President for Research in 2013, and Dean of the Graduate School in 2014, Dr. Kim served as the Director of the Graduate School of Biomedical Science and Engineering, a statewide, multi-institutional school that supports Maine's growing biomedical research and training efforts. In her current position, Dr. Kim is responsible for supporting and expanding the impressive breadth and depth of research and creative activities of the University of Maine community, and overseeing the growth, development and administration of graduate programs, a fundamental component of university research and scholarship. Dr. Kody Varahramyan has a Ph.D. in Electrical Engineering from Rensselaer Polytechnic Institute, 10 years of industry experience at IBM Corporation, and over two decades of academic experience as a faculty member and administrator, first at Louisiana Tech University, and subsequently at Indiana University–Purdue University Indianapolis (IUPUI). He has authored or co-authored close to 200 papers in journals and conference proceedings, received seven patents, and secured over \$31 million of external funding as the PI or Co-PI of grants supportive of new research and educational programs. He has also gained experience and established a successful track record as an administrator, with appointments at the departmental, college and university levels, including as Vice Chancellor for Research and Senior Aide to the Chancellor at IUPUI. At both academic institutions he has led the realization of major strategic initiatives advancing academic excellence and student success, significant growth in research and scholarly activity, and substantial increase in community engagement.

Spring 2017 Go Blue Fridays announced

07 Feb 2017

The following days have been designated as UMaine's Go Blue Fridays, a chance to show your UMaine spirit and campus pride by wearing blue and/or UMaine clothing: Feb. 10 and 24; March 24; April 7 and 14; and May 12.

College of Education and Human Development participates in Read to ME Challenge

07 Feb 2017

The University of Maine College of Education and Human Development is taking part in the 2017 Read to ME Challenge. The challenge kicked off Feb. 2 and culminates March 2, which is Read Across America Day and Dr. Seuss' birthday. Faculty, staff and students from the college will be posting photos of themselves reading to children on social media and encouraging others to do so. More details about the Read to ME Challenge can be found on the Maine Department of Education website. You can see some of the College of Education and Human Development's challenge photos on [Facebook](#) and [Twitter](#).

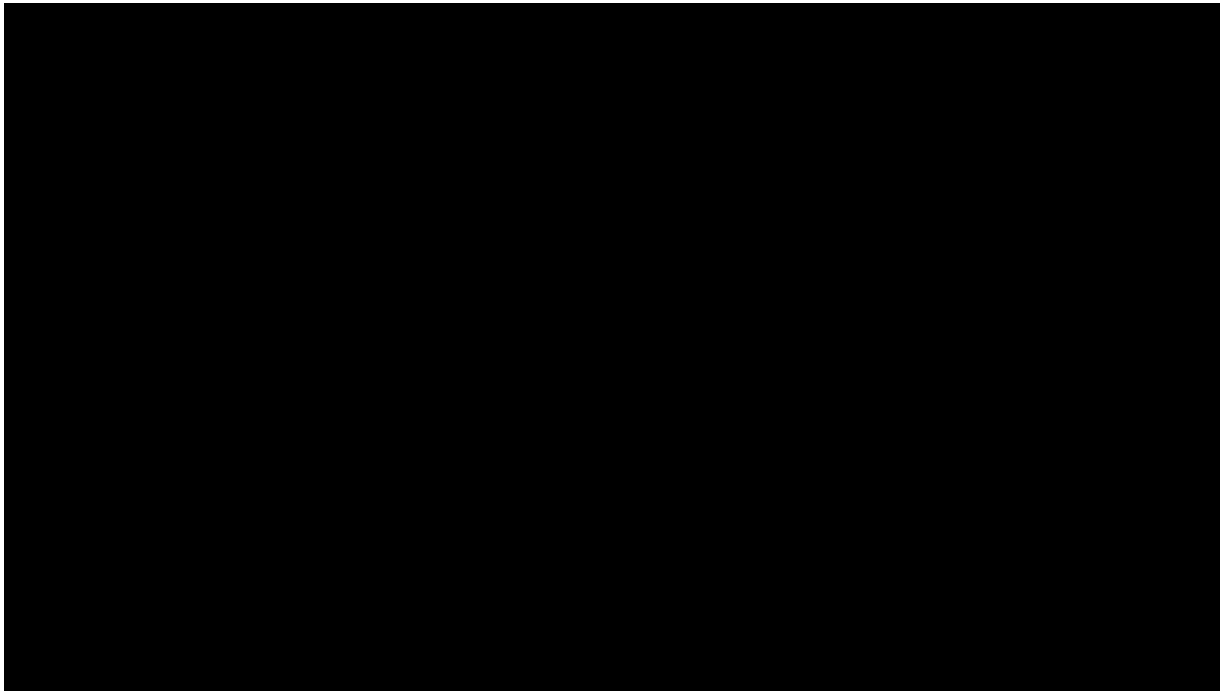
BDN publishes grad student's op-ed on cybersecurity

07 Feb 2017

Lucas Ashbaugh, a graduate student in the University of Maine School of Policy and International Affairs, wrote an opinion piece for the [Bangor Daily News](#) titled, "Russian hacking reveals a dangerous gap in US cyber policy." Ashbaugh is pursuing a master's degree in international security, and is president of the Cybersecurity Team at UMaine.

Engineering in Maine

07 Feb 2017



[Read transcript](#) An overview of the impact of the University of Maine College of Engineering statewide and beyond. As Maine's leading engineering program, the college prepares an educated workforce, conducts research that turns knowledge into innovative solutions, and provides outreach that includes STEM initiatives.

Transcript

Dana Humphrey: Engineers are critical to virtually everything that's made that we touch in our environment. **Bill Davids:** It's everything from the car that you drive, to our transportation infrastructure, to the phone in your pocket, to the drinking water that you use every day. Without engineers, we wouldn't have those things. They wouldn't exist. Engineers are central to all of that. **Lynn Farrington:** We're running out of natural resources, and engineers really need to start making the most of what we have. **Beth Sturtevant:** Water systems, sanitation systems are in dire need. **Ken Priest:** The challenge is really the development of new technologies. **David Bernhardt:** We do have an aging infrastructure. **Steve Swan:** For us, to be competitive here in Maine, we need engineers with new talent, new ideas. **Dana Connors:** We're not putting out as many engineers as we need to. The opportunity begs for more. The economy wants more. **Beth Sturtevant:** Construction, to the Maine economy, is very, very important. Engineers in a construction company, it's a very exciting career. It's a very diverse career. **David Bernhardt:** We use the university to do things like load ratings on some of our bridges. **Bill Davids:** We're using some really high-tech equipment to gather some very important data. It will save everybody a lot of money, and it will inform the engineering profession in the state of Maine. That's our job. **Kim Huguenard:** We are looking at how climate change might impact the flow conditions here in the Damariscotta. It's important to understand that so that aquaculture can grow in a sustainable manner. **Bill Mook:** Aquaculture is one of Maine's most promising areas for economic development. **Ali Abedi:** Through using sensor technology and wireless communication, we can save lives of newborn infants. We can help increase the quality of life for older individuals. We can help monitor the brain health of astronauts, athletes, soldiers who come back from war. **John Belding:** Small businesses are very critical to the Maine economy. They are really the job creators and the job starters, and are the sector that is expanding the most here in the state. **Ryan Beaumont:** The idea started at the university, and then it left the university. I helped to mature the idea. Now, we're going back to the Advanced Manufacturing Center, having them help us to evolve the idea even further. **John Belding:** They can expand what they're doing in the products that

they're developing. They can make those products more efficient and better. They can learn about new research and development going on within manufacturing processes from our center here. **Clay Wheeler:** We're working on processes to make fuels from Maine's forests. Someday, you'll be able to drive your car, fly your airplanes, heat your houses, using these types of fuels. **Mohamad Musavi:** Engineering is fun. Engineering is creativity. Engineering is to use the power of your imagination to create things that never existed before. **Beth Sturtevant:** Engineers, that's what they do. They make things happen. They build things. **Dana Humphrey:** Engineering at the University of Maine will continue to grow and fill the needs of the state of Maine. We really produce two things. We produce graduates that are ready to work and contribute to Maine's economy, and we produce the new ideas and new technologies that are necessary to move Maine's economy forward. [Back to post](#)

UMaine cited in Press Herald report on those affected by temporary immigration ban

07 Feb 2017

A [Portland Press Herald](#) report notes an estimated 99 University of Maine faculty, staff, students and their family members have been affected by the federal Executive Order temporarily banning travel from seven predominantly Muslim nations. The newspaper cited the figure in a story on the confusion the travel ban — and subsequent legal wrangling — is causing for those impacted by the order and for the immigration lawyers advising them.

National report on best practices in student retention and completion cites the success of Winter Session

07 Feb 2017

A new research report on best practices in student retention and completion by EAB, "Promoting Timely Degree Completion: Reconciling Student Choice and the Four-Year Graduation Imperative," cites the success of the University of Maine's Winter Session, which launched in the 2015–16 academic year. UMaine's three-week Winter Session last year offered 20 high-need, fundamental undergraduate courses fully online. It was introduced as part of UMaine's Think 30 initiative that encourages students to complete 30 credits per year so they can graduate in four years, while saving money and reducing their debt. With the addition of Winter Session, UMaine classes are offered on campus and online year-round. As noted in the EAB report, UMaine had 650 students enrolled in the first Winter Session, resulting in 2,000 additional credit hours accumulated and no decrease in spring semester. In this year's Winter Session, over 1,000 students enrolled in one or more of the 26 high-demand courses. Included among those undergraduates were nearly a quarter of all our student-athletes, who took advantage of the flexibility afforded by the online classes to help them meet their course requirements and graduate on time. "We are hearing very positive feedback from both students and faculty about their Winter Session experience" says Monique LaRocque, associate provost for the Division of Lifelong Learning. "Students are pleased to be able to use the time between semesters to make progress toward their degrees. Both faculty and students appreciate the condensed online format where students can focus intensely on one subject area. This focus has contributed to improved grades and overall student and faculty satisfaction." The Division of Lifelong Learning, home to UMaineOnline, Winter Session and Summer University, supports the Think 30 initiative by expanding course options for students year round. "The increased interest in Winter Session, our revised Summer University calendar and greater overall awareness of the Think 30 initiative are contributing to students' academic success and their overall UMaine experience," says Jeffrey Hecker, executive vice president for academic affairs and provost. "We look forward to building on the success of Winter Session by expanding it to offer high-demand upper-level courses." According to EAB, fewer than 40 percent of students at four-year institutions graduate within four years, leading to increased costs for students and heightened scrutiny at the federal and state level. The goal is to streamline student pathways to maximize outcomes; the challenge is in the tension between timely degree completion and the student exploration central to a university's mission. The new report explores in detail how academic leaders are supporting on-pace student performance by addressing credit accumulation barriers for incoming students, and facilitating structured major and career exploration. In addition, the registration and scheduling best practices profiled demonstrate how institutions can organize course offerings around four-year graduation and create additional opportunities for students who do not register for or complete a critical course. Members of the university community with an @maine.edu email address can create a login to access the page where UMaine is profiled using this [link](#).

Olga Vocal Ensemble to bring comedy, vocal clarity to Minsky

08 Feb 2017

Five young a cappella singers who approach traditional music in innovative, humorous ways will perform at 3 p.m. Sunday, Feb. 19 at Minsky Recital Hall at the University of Maine. The Olga Vocal Ensemble combines enthusiasm, drama and comedy with vocal clarity and a unique sound. The international ensemble's repertoire covers more than five centuries. The Dutch, Icelandic and Russian singers perform classical music as well as medieval Icelandic drinking songs and nostalgic hits. In 2012, the young men founded the ensemble when they were studying at Utrecht Conservatory in the Netherlands. In 2014, they recorded their first CD. Members of The Olga Vocal Ensemble are: Bjarni Guðmundsson, tenor; Jonathan Ploeg, tenor; Gulian van Nierop, baritone; Pétur Oddbergur Heimisson, bass-baritone; and Philip Barkhudarov, bass. To hear the ensemble perform and to watch a video, visit their [website](#). The singers and concert attendees are invited to a post-concert reception at Miller's Café in the Collins Center for the Arts. Maine Public is the sponsor. Tickets for this featured selection in the John I. and Elizabeth E. Patches Chamber Music Series are \$35 for adults/seniors and \$10 for students. More information and tickets are available on the CCA [website](#). Also, for tickets or to request an accommodation, call 581.1755.

Nominations sought for 2017 Classified Employees Recognition Award

08 Feb 2017

The University of Maine's Classified Employees Advisory Council (CEAC) seeks nominations for the 2017 Classified Employees Recognition 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. Award criteria and the nomination form are [online](#). Nomination forms, plus the required letters of recommendation (at least three) also can be forwarded to Melinda Pelletier, 201 Alumni Hall; umceac@maine.edu. Deadline for applications is March 10.

AP advances Bath talk on invasive moth

08 Feb 2017

The Associated Press reported a group of experts will travel to Bath to discuss the effects of the invasive browntail moth on Feb. 22. The moth has the ability to defoliate trees, and has tiny hairs that can cause a rash and respiratory problems in humans, the AP reported. Speakers at the event will include Lynne Holland, a University of Maine Cooperative Extension staff member, and local arborist Kyle Rosenberg. UMaine officials said someone from the medical community also is expected to attend, according to the report. The free talk will take place at 6 p.m. at the Patten Free Library. WABI (Channel 5), [The Press of Atlantic City](#), [Argus-Press](#) of Missouri, WRAL of North Carolina and SFGate carried the AP report.

UMaine study cited in WLBZ report on winter car crashes

08 Feb 2017

A 2010 University of Maine [study](#) was cited in a [WLBZ](#) (Channel 2) report about driving in snowy conditions. The study found accidents are more likely to happen when there are less than four inches of snow on the ground, with the most happening when there are less than two inches. Experts said one to four inches of snow may appear safe to drives, causing more of them to hit the roads, WLBZ reported. The number of accidents decreases after four inches, the report states, most likely because there are fewer people on the road when the amount of snowfall climbs. The report was conducted by researchers with the Margaret Chase Policy Center.

Brady Davis: MBS senior conducts sustainability research through Mitchell Center, Honors College

08 Feb 2017

Brady Davis, a University of Maine senior in the Maine Business School and Honors College, was awarded a Mitchell Scholarship upon graduating from Freeport High School in 2013. At UMaine, Davis became involved with the Senator George J. Mitchell Center for Sustainability Solutions by way of the Honors College's Sustainable Food Systems Research Collaborative project, which was funded by the center. "Sen. George J. Mitchell has been behind the scenes at some of the major turning points of my academic career," Davis says. In fall 2016, the center honored Davis with an Outstanding Contribution to Sustainability Research by an Undergraduate Student award for his work on artisanal cheesemaking in Maine. "I'm so grateful I've had the Honors College and the Mitchell Center to show me how I might blend my interest in sustainability with my business education," Davis says. "I may have an opportunity to put all that into practice as a business student because I've been exposed to the facilitation skills required to help people be at a table with different perspectives and bring consensus to move forward with a common purpose and take action." The full profile on Davis and his research is available on the Mitchell Center's website. Contact: David Sims, 581.3244

UMaine, Kleinschmidt Associates announce naming gift in support of Windstorm Challenge

08 Feb 2017

The University of Maine Advanced Structures and Composites Center and Kleinschmidt Associates, headquartered in Pittsfield, Maine, have announced a naming gift to support the Windstorm Challenge, a STEM competition at UMaine for Maine middle school and high school students, focusing on renewable energy, innovation and economic development. The Kleinschmidt Windstorm Challenge will be held May 19, 2017 at UMaine's Advanced Structures and Composites Center in the Alford W² Ocean Engineering Lab. In the Windstorm Challenge, teams of middle and high school students collaborate to design and construct a scale-model floating wind turbine platform, test the design under wind and wave conditions, and deliver a sales pitch-style presentation to a panel of judges. Members of the winning team are presented with an internship opportunity at the Composites Center valued more than \$20,000, contingent on enrollment at UMaine. The \$30,000 naming gift will be used in part to offer transportation assistance to rural schools with demonstrated need. This gift provides multiyear support, making it possible for UMaine to engage more teachers and student participants from schools across Maine. "Kleinschmidt is proud to support the Windstorm Challenge and hopes to inspire more Maine students to consider careers where they create solutions to our world's most challenging problems," says Keith Martin, senior engineer at Kleinschmidt Associates. "Our business provides energy, water and environmental services to clients across North America and this program is right in line with our corporate mission," says Chuck Padera, Kleinschmidt's CEO. "We hope this challenge engages the minds of the future scientists and engineers we want to hire in a few years." "This new partnership will allow us to expose even more of Maine's top middle school and high school students to cutting-edge offshore wind energy research and laboratories at UMaine," said Habib Dagher, executive director of the Advanced Structures and Composites Center. "We thank Kleinschmidt for enabling more students to experience the incredible STEM opportunities that exist for them within our state." Windstorm Challenge, now in its fifth year, has had more than 150 youth participants annually from schools across Maine including: Caribou Middle School and Caribou High School, Mattanawcook Academy, Bangor High School, Orono High School, Old Town High School, King Middle School. Participants engage with engineering principles, teamwork, innovation, marketing, and research and development. The competition also provides many students with their first campus experience. Contact: Josh Plourde, 207.581.2117

UMaine art faculty exhibition to open Feb. 17

09 Feb 2017

The Lord Hall Gallery at the University of Maine will present an exhibition of the rich and varied work of seven faculty members who teach in the Department of Art. "Featured Faculty / 2017," which runs from Feb. 17 through March 17, will showcase new work by Andy Mauery, Constant Albertson, Matthew Smolinsky, Susan Camp, Kerstin Engman, Sam Jones and Wayne Hall. Exhibited art will include photography, woodworking, ceramics, encaustic painting and mixed-media installations. The exhibition presents an overview of the research and creative accomplishments of studio and art education faculty. An opening reception will be held from 5:30–7 p.m. Friday, Feb. 17. The exhibition and reception 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.

'Think 30' Academic Affairs Faculty Forum slated Feb. 16

09 Feb 2017

Jeffrey Hecker, University of Maine's executive vice president for academic affairs and provost, will lead the next Academic Affairs Faculty Forum at 3 p.m.

Thursday, Feb. 16 in the Bangor Room of the Memorial Union. Over the past four academic years, the Office of the Executive Vice President for Academic Affairs and Provost often in collaboration with the Faculty Senate, has hosted a series of Academic Affairs Faculty Forums. The forums are designed to create a venue for meaningful sharing of ideas about important initiatives in Academic Affairs. Collaboration between the faculty and administration of the university is essential to meet strategic goals. The topic of the Feb. 16 forum is “Think 30 and Beyond: Next Steps in Support of Student Success.” A [website](#) is available to extend the collaboration beyond the public meeting. After the forum, a recording of the event will be added, as well as a space where faculty and staff members can submit reactions, comments or questions.

KJ, Morning Sentinel advance CCA production of ‘Last of the Red Hot Lovers’

09 Feb 2017

The [Kennebec Journal and Morning Sentinel](#) reported on an upcoming production of the Neil Simon’s 1969 comedy “Last of the Red Hot Lovers.” The show will be staged at 7 p.m. Thursday, Feb. 9 at the Collins Center for the Arts. During the decade of free love, Barney Cashman — middle-aged, married, overweight and overworked — sets out to join the sexual revolution before it’s too late. He arranges three trysts that all fall flat. After various mishaps, Cashman rediscovers his humanity and finds love in the last place he thought to look. “Last of the Red Hot Lovers” ran from 1969 to 1971 on Broadway and was made into a 1972 film. Tickets may be ordered [online](#).

UMaine soil testing service cited in BDN article on how to start community garden

09 Feb 2017

The University of Maine was mentioned in a [Bangor Daily News](#) article that featured tips on how to start a successful community garden. Once you have a plot of land selected, it’s not a bad idea to do a soil test, the article advises. The Maine Agricultural and Forest Experiment Station’s Analytical Laboratory and Maine Soil Testing Service is a good resource to learn the nutrient content, organic matter, lead and other trace elements in your future garden’s soil, the article states. The lab and soil testing service is located in Deering Hall on the UMaine campus.

WVII interviews MBS Corps students about upcoming fundraiser

09 Feb 2017

Student members of the MBS Corps, the Maine Business School’s community outreach organization, visited the studio of [WVII](#) (Channel 7) to promote the group’s upcoming fundraiser, “Nets 4 Pets 4 Vets.” Noelle Hanna and Michael Fagan spoke about the basketball tournament and dinner that will be held March 24 to raise money for the Bangor Humane Society, as well as a program that matches therapy dogs with veterans, according to the report. “We try our best to do as much community service as possible, and just give back,” Hanna said. “We’ve worked with a lot of veterans over the past years, and it’s just nice to see we’ll be benefiting them in a way that everyone in the greater community can benefit from too.” More about the fundraiser is online.

2017 International Dance Festival Feb. 18

10 Feb 2017

The University of Maine will hold the 2017 International Dance Festival on Feb. 18 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 13th annual event will showcase an array of traditional music, dance and clothes from around the world that is representative of the diverse student body at UMaine. The International Dance Festival is a student-led initiative that began in 2005. It is organized by the Office of International Programs and the International Student Association. For more information or to request a disability accommodation, visit the Office of International Programs [website](#), call 581.3437, or email Andrea Morehouse at andrea.morehouse@maine.edu.

UMaine offering retroactive pay to student employees, BDN reports

10 Feb 2017

The [Bangor Daily News](#) reported the University of Maine is paying about \$75,000 in back wages to more than 900 current and former Dining Services student employees. The money will compensate workers who weren’t paid during 15-minute meal breaks over a two-year span, the BDN reported. Retroactive pay was offered as a matter of fairness in response to concerns some students raised, according to UMaine officials. In September, three students who worked in Dining Services aired their concerns about having to clock out for 15-minute breaks and not getting paid for those periods. The employees also received a complimentary meal during a break in their shift, according to the university’s policy. The three students believe the practice violated federal wage regulations, the article states. The university contends the practice was not illegal but said it “didn’t match our written student employment policies.” Affected student workers will receive checks through the spring, according to the university. [WABI](#) (Channel 5) also reported on the issue.

UMaine Center on Aging helps Bangor become more livable for seniors

10 Feb 2017

When AARP announced last summer that Bangor would be named the 100th community in the country to earn “age-friendly” status, leaders in Maine’s third-largest city had to make a big commitment. To receive this distinction, a city must agree to devise a comprehensive strategy to become more livable for its oldest residents. AARP had already done one survey on how well Bangor currently meets the needs of its seniors. But city leaders, including Patty Hamilton, felt they needed to dig deeper. “I think the city wanted to be sure it gathered as much information as possible before embarking on this process,” says Hamilton, Bangor’s director of health and community services. So Bangor began to solicit bids for a partner — an organization that could come in, run a series of focus groups with area seniors and write a report on its findings. The University of Maine’s Center on Aging submitted a proposal. “Of the three applicants, they were the best fit and the most qualified to do the work,” says Hamilton. A research team of six from the Center on Aging, including project manager David Wihry, graduate students and undergraduates began their work late last summer. “We remain the only campus in the system that has a Center on Aging that’s devoted to the study, the research of issues of aging,” says Lenard Kaye, director of the center. “This is what we do.” The team held seven community forums in the fall to gather feedback from seniors on how well Bangor is complying with the eight domains of livable communities, as defined by

the World Health Organization that include outdoor spaces and buildings, transportation, housing, social participation, respect and social inclusion, civic participation and employment, communication and information and community and health services. Attendees were also asked to fill out voluntary demographic forms. Seventy-nine forms were submitted, according to the Center on Aging's draft report on the community forums. The survey respondents averaged 70 years old and, on average, had lived in Bangor 34 years. A little over half of the respondents had incomes less than \$60,000 a year. More than half of the respondents (59 percent) were women. Overall, the draft report shows that Bangor has already made significant progress living up to its "age friendly" status, according to Kaye. "We're not starting from scratch here," he says. "Bangor has pretty good grades on all counts. But it can do better. I think it knows that." On the question of outdoor spaces and buildings, popular public areas like the waterfront and the Bangor City Forest were widely praised in the community forums. But respondents had fewer kind words for the condition of downtown sidewalks. "One thing I noticed when I first moved to Bangor is that people were walking in the street," one forum attendee told the Center on Aging team. "It turns out they're walking in the street because the street is so much smoother than the sidewalk. It's a safety issue." Last fall, another UMaine project looked at benefits of making Bangor more walkable for all residents. As part of their coursework in ECO 405: Sustainable Energy Economics, a group of students gave a presentation on what could be gained by becoming a more walkable city, as well as the steps needed to get there. In a presentation to the Bangor City Council's infrastructure committee, the students outlined the potential benefits and costs of two scenarios: creating 8 km of new bike lanes and launching a "Walk Bangor" campaign by placing 30 signs throughout the city. Their analysis found that taking these two steps could save residents money, bring local businesses more customers, improve home values by attracting more people to the city, increase social activities and make Bangor greener and less car dependent. On the issue of transportation, the Center on Aging draft report notes that seniors who drive are generally comfortable doing so in Bangor. The Community Connector is viewed as a unique and valuable asset in the Bangor community, especially for people with limited transportation options. However, like transit in many rural areas, it has to grapple with the challenges of a smaller ridership base, a car owning culture, and rural geography, which make expansion of routes and hours of operation more challenging. The draft report highlights the many opportunities that seniors have for cultural engagement and entertainment in Bangor, including art exhibits, Penobscot Theatre, free summer concerts and movie showings downtown. But it also notes that the 2015 closing of the Hammond Street Senior Center was a major loss for the community. "There's nothing yet to fully replace it," says Kaye. "That message came through loud and clear: Older adults want an intergenerational community that they can benefit from, where they can interact with folks of all ages." Kaye says the feedback on health care at the community forums was overwhelmingly positive. One respondent, who had also lived in Boston, Cleveland and Chicago, told the research team they had been able to find better medical care in Bangor. Housing, though, was a major concern, with forum attendees reporting that Bangor has a critical shortage of affordable options for seniors on limited incomes, who don't meet the requirements to receive federal subsidies. "This is a statewide issue," says Kaye. "It's just a fact of life. We have beautiful assisted-living communities. But you and I probably can't afford to live in them." Kaye says the Center on Aging is committed to working with Bangor and its citizens, pro bono, to figure out how to prioritize the many suggestions made in the report. The availability of public and private funds will likely determine how quickly Bangor can do things like build a new senior center or single-story multipurpose health facility, hire a volunteer coordinator, expand bus service or fix crumbling sidewalks. Meetings of the Bangor Livable Communities Committee are open to the public. For more information contact Dyan Walsh, dwalsh@caaaa.org, 941.2865; or Patty Hamilton patty.hamilton@bangormaine.gov, 992.4550. Contact: Jay Field, 207.581.3721; 207.338.8068

MeiWa Li: Using accounting knowledge to tackle health care challenges

10 Feb 2017

MeiWa Li has her sights set on a career in health care services. The University of Maine junior from Hong Kong is an accounting major who interned at athenahealth last summer in Belfast. The fast-growing company, which provides cloud-based services for managing electronic medical records, medical billing, patient engagement and care coordination, assigned Li to be an operation analyst in its payer enrollment department. Li reviewed the workflow for the department, doing some root cause analysis and proposing solutions for efficiency. The project was fun, she says, and very challenging. Li came to Maine to attend high school at Maine Central Institute in Pittsfield. At Kennebec Valley Community College, she studied to earn her license to become a radiology technologist. When Li decided to continue her education, she enrolled at UMaine. She commutes to Orono from Hartland, where she lives with the same family that hosted her when she attended MCI. At UMaine, Li has thrived. She has a 3.9 GPA. "I'm really impressed with how they organize so many resources to help students," says Li, including the many opportunities to talk with employment recruiters at the annual UMaine Career Fair. "What I love most," Li says, are UMaine professors who "will go out of their way to help you if you need it." One thing she's likely to miss when she graduates in May 2018 is the New Balance Student Recreation Center. "Especially after a long day of classes, it's a good place to go and work out and relieve some of the stress and go to the sauna." Contact: Jay Field, 207.581.3721; 207.338.8068

Change in schedule for campus presentations by VPR/Graduate School dean finalists

10 Feb 2017

Editor's note: This post was updated Wednesday, Feb. 15. Four finalists for the Vice President for Research and Dean of the Graduate School will be on campus Feb. 15–24. Public presentations on the topic, "Vision of Research and Graduate Study in a 21st-Century Land Grant University," will be followed by question-and-answer sessions, and receptions. The campus community is encouraged to attend. Due to the weather, two campus presentations have been rescheduled. All presentations will be held at 57 Stodder Hall and will be followed by a reception in the same location. Charles Amlaner Jr. Noon–1 p.m. Wednesday, Feb. 15 Donald Peterson 1–2 p.m. Friday, Feb. 17 Carol Kim 1:30–2:30 p.m. Monday, Feb. 20 Kody Varahramyan 1:30–2:30 p.m. Friday, Feb. 24 Short biographies of the candidates are [online](#); full-length versions are available by contacting Dianne Avery, diannea@maine.edu; 581.1595.

Vine Street School grows Tank to Table aquaponics program

10 Feb 2017

Cilantro, basil and kale, oh my! Vine Street School in Bangor harvested fresh herbs and greens grown in the lobby aquaponics tank for students and parents to take home for the holidays. Aquaponics is the combination of aquaculture — fish or other aquatic animals being raised — and hydroponics — plants being grown in water. The Tank to Table program, which has existed for about a year, is the brainchild of Jessica Muhlin, Caroline Noblet and Ryan Weatherbee, parents of students at Vine Street School. The group received a seed grant from Maine EPSCoR at the University of Maine to set up the tank. Noblet, an assistant professor in the School of Economics at UMaine, works with the Sustainable Ecological Aquaculture Network (SEANET) program and suggested the opportunity to the group whose children were in the same class. Weatherbee is a research associate at the Satellite Oceanography Lab at UMaine and Muhlin is an associate professor of marine biology at Maine Maritime Academy. The group approached first-grade teacher Annmarie Dionne with the idea. "It's been amazing," says Dionne. "It's really been great for the whole school." Principal Lynn Silk has championed the project, welcoming the aquaponics

unit into the main lobby of the school and setting aside a STEM room where students can experiment and explore. Although it's taken some time to see the fruits, and vegetables, of its labor, the group is pleased with the results. "We've been experimenting with planting lots of different things," Muhlin says. "Kale seems to do really well. I think, in general, leafy greens and herbs do great. Consistently, most of the aquaponics literature I've read agrees with that assessment." The group coordinated the tank project with the existing curriculum. When the children studied cycles, specifically the water cycle and the ocean cycle, it made sense to include that type of lesson in connection with the tank. The school also has welcomed guest speakers to talk about various aspects of aquaculture as well as STEM-related careers. Speakers have included Sebastian Belle, director of the Maine Aquaculture Association; Kim Huguenard, assistant professor of civil and environmental engineering at UMaine; Michael Pietrak, research associate with the USDA Agricultural Research Service at the National Cold Water Marine Aquaculture Center; Muhlin; and Dana Morse, Maine extension associate at Maine Sea Grant. The group has connected with several community organizations, including the Challenger Center, Maine Discovery Museum, University of Maine Cooperative Extension 4-H and the Maine Science Festival. And it's looking at ways to fund a larger community project. The organizers' children soon will be graduating from Vine Street and they invite more parents, teachers and community members to continue growing the program. The Tank to Table team hopes its experience provides an example of positive school engagement. Members say they plan to continue supporting STEM learning in school. Contact: Andrea Littlefield, 207.581.2289

Former Darling Marine Center researcher leads phytoplankton expedition in Pacific

15 Feb 2017

Ivona Cetinic, a former researcher at the University of Maine's Darling Marine Center, set off Jan. 26 from Hawaii on a 27-day expedition to study the health of phytoplankton populations in the Pacific Ocean. Cetinic, an oceanographer with NASA's Goddard Space Flight Center and the Universities Space Research Association (USRA), is working on board the R/V Falkor, a research vessel owned and operated by the nonprofit Schmidt Ocean Institute, founded by Eric Schmidt, the executive chairman of Google, Inc. Joining Cetinic on the expedition are researchers and scientists from across the country. They include Jeremy Werdell, Meg Estapa and Wayne Slade, who all earned doctorates at UMaine, and three alumnae of the Darling Marine Center's annual, ocean optics summer program. Phytoplankton play an important role in reducing carbon dioxide in the atmosphere. According to a [press release](#) on the NASA website, a study found that phytoplankton take roughly 24 percent of this greenhouse gas from the atmosphere. Scientists on the expedition want to know how much CO₂ is being stored in the ocean over the long term and how rising levels of the gas are impacting phytoplankton populations. The Schmidt Ocean Institute has posted a [video](#) from the expedition on its website.

2017 Maine Government Summer Internship Program accepting applications

15 Feb 2017

The Margaret Chase Smith Policy Center at the University of Maine is accepting applications for the 2017 Maine Government Summer Internship Program. The 12-week program provides full-time, paid, summer work experiences in state or local/regional agencies. For many years, the program has offered 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. Most state internships are located in the Augusta area. Internships in municipal governments are available in various 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. Applicants must be a Maine resident or attending a Maine college, and must have completed two years of college before the start of the program. The program runs from May 30 to Aug. 18. Applications are [online](#). The deadline to apply is March 1. More information about the program is on the Margaret Chase Smith Policy Center [website](#).

The Republican Journal reports UMaine's Hutchinson Center to host job fair

15 Feb 2017

The University of Maine's Hutchinson Center in Belfast will host a regional job fair in partnership with the Maine Department of Labor, Workforce Solutions, Belfast Area Chamber of Commerce, Our Town Belfast and the Belfast Creative Coalition, [The Republican Journal](#) reported. For additional information on the fair, which takes place from 10 a.m. to 2 p.m. March 7, contact the Belfast Area Chamber of Commerce at 338.5900 or Our Town Belfast at 218.1158. WABI (Channel 5) also advanced the event.

Mainebiz reports on Dagher being named a Top 25 Newsmaker

15 Feb 2017

[Mainebiz](#) reported Habib Dagher, executive director of the University of Maine's Advanced Structures and Composites Center, has been named one of 2016's Top 25 Newsmakers by Engineering-News Record (ENR). The award will be formally presented in April in New York City. At that time, ENR also will announce which one of the Top 25 Newsmakers will receive the highest honor, the Award of Excellence. Dagher was selected based on achievements related to the New England Aqua Ventus I, offshore wind energy pilot innovations, the Bridge-in-a-Backpack™ technology and his work developing the UMaine Composites Center. "This award truly belongs to the entire UMaine Composites Center students, faculty and staff, and is a tremendous global recognition for the research and development accomplishments we've achieved at UMaine," Dagher said.

Howard writes op-ed for BIEN

15 Feb 2017

[Basic Income European Network](#) (BIEN) published the opinion piece, "Conservative carbon dividend proposal is a welcome development for introduction of partial basic income," by Michael Howard, a philosophy professor at the University of Maine.

UMaine Extension's Holland to lead Freeport meeting on browntail moth infestation, Forecaster reports

15 Feb 2017

Lynne Holland, a community education assistant with University of Maine Cooperative Extension, will lead a March 9 talk in Freeport on pesticide-free methods of combating the browntail moth, [The Forecaster](#) reported. The insects damage trees and can cause rashes and “severe reactions” in some who touch the caterpillar’s fur, according to the article. Holland’s talk will focus on raising public awareness of the problem in Freeport, where town officials discontinued pesticide spraying because it was ineffective, the article states. The Sun Journal also published the Forecaster article.

WABI covers annual Play4Kay women’s basketball game

15 Feb 2017

WABI (Channel 5) reported on the University of Maine women’s basketball team’s annual Play4Kay breast cancer awareness game Feb. 12. The team wore pink jerseys in the game against Stony Brook, which they won 78–71. Play 4Kay is named after Kay Yow, a longtime North Carolina State women’s coach who died of breast cancer in 2009. Funds raised for the game go to the Kay Yow Foundation to support breast cancer research. At halftime, local cancer survivors were recognized on the court, WABI reported.

UMaine Composites Center featured in George Smith column

15 Feb 2017

The Kennebec Journal and Morning Sentinel published a column by Maine outdoors writer George Smith, titled “Composites Center among the amazing things happening at University of Maine.” “The Advanced Structures and Composites Center at the University of Maine in Orono is an amazing place, working with 500 clients all over the world, and winners of 40 national and international awards,” the column states. Smith wrote that he met with Habib Dagher, executive director of the center, and Jake Ward, UMaine’s vice president of innovation and economic development, to learn about the many initiatives going on at the center. The \$160 million complex of buildings, totaling 100,000 square feet, includes a laboratory employing more than 180 people, the article states.

Media cite Climate Reanalyzer in stories on rising temperatures in Arctic, Australia

15 Feb 2017

[The Washington Post](#) reported temperatures in the Arctic are 20 degrees warmer than average for this time of year, according to the Climate Reanalyzer website run by the Climate Change Institute at the University of Maine. [The Sydney Morning Herald](#) also cited the Climate Reanalyzer website in a story on record-setting summer temperatures in the state of New South Wales in southeastern Australia, and [Weather Underground](#) cited it in a report on record heat in the northeastern U.S.

Down East magazine cites Morse, Schmitt in post about Maine oysters

15 Feb 2017

Professionals with the Maine Sea Grant College Program at the University of Maine were cited in a [Down East](#) magazine post featuring facts about Maine oysters. According to Dana Morse, an aquaculture specialist, there are 75 oyster farmers in the state, and the number has been on the rise for years. It takes about 18 months for the average Maine oyster to grow large enough to harvest, the article states. “Due to their superior quality, nearly all of Maine’s oysters go to the raw or half-shell market,” said Catherine Schmitt, communications director for Maine Sea Grant. The article also stated that Herb Hidu, a UMaine professor and a founding father of the Maine aquaculture industry, started experimenting with oyster cultivation on the Damariscotta River in 1972.

Bricknell cited in BBC story on Scottish salmon farming’s sea lice problem

15 Feb 2017

Ian Bricknell, professor of aquaculture at the University of Maine’s Aquaculture Research Institute, spoke with the [BBC](#) about the damage sea lice are causing to the salmon farming industry. In Scotland, where salmon farms have the highest incidence of infection in the world, sea lice are the likely cause of a drop off in the weight of farmed salmon in the final three months of 2016, according to the article. Earlier last year, one Scottish company lost 1,300 metric tons of salmon due to sea lice. Bricknell told the BBC the pest has cost the salmon farming industry at least \$500 million worldwide.

AP quotes Kelley in report on disappearing salt marshes

15 Feb 2017

Joseph Kelley, a University of Maine professor of marine geology, spoke with the Associated Press for an article about how salt marshes are disappearing due to rising sea levels. The U.S. Geological Survey recently conducted an assessment of eight of the country’s coastal salt marshes, according to the article. It found that half of the marshes will be gone in 350 years if they don’t regain some lost ground, and the other four also are backsliding, the article states. The report shows that salt marshes are not keeping up with the rise of sea levels, said Kelley, who was not involved in the work. “Somebody in 50 years who looks at some of the marshes we’ve looked at, they’ll just see lots of open water,” he said. The [Portland Press Herald](#), [Seattle Times](#), [Orange County Register](#) and [The Republic](#) carried the AP report.

Wahle welcomes world to spring lobster conference in Portland

15 Feb 2017

University of Maine marine scientist Rick Wahle is co-chairing a June conference in Portland, Maine focused on the impact of the changing ocean environment and the global economy on the biology and business of lobsters. About 200 biologists, oceanographers, industry members and fishery managers from more than a dozen countries are expected to attend the [11th International Conference & Workshop on Lobster Biology and Management](#) June 4–9 at Holiday Inn by the Bay. Wahle says the timing is perfect for Maine to host the event, which also has been held in New Zealand, Canada, Cuba, Japan and

Norway. In 1977, 37 lobster biologists from six countries attended the first such international conference in Australia. “It was about time,” Wahle says. “It’s been hosted all over the world, but never in New England, which we all know to be one of the world’s lobster hot spots.” This marks the second ICWL in the United States. The first was in 2000 in Key West, Florida. It’s also timely because the lobster fishery is booming in the Gulf of Maine. From 1994 to 2014, lobster landings in Maine swelled 219 percent to more than 124 million pounds, according to NOAA Fisheries. In 2015, Maine’s haul was valued at \$495 million. But Wahle says the state’s coastal economy is dangerously reliant on the 10-legged crustacean. According to Maine Department of Marine Resources statistics, in 2015 lobster comprised 81 percent of the state’s total fisheries. Just as lobsters have surged the last decade in the Gulf of Maine, they’ve sustained massive die-offs and disease in southern New England. Wahle says the lobster glut in Maine and its collapse in southern New England are partly due to the same process — widespread ocean warming. Lobsters become thermally stressed in water above 20 degrees Celsius. And in recent decades, Wahle says the summer temperature of water in coastal southern New England has been rising above that threshold with increasing frequency. The water temperature in the Gulf of Maine is currently close to ideal for lobsters, Wahle says. But continued warming could bring more shell disease and thermal stress, he says, heightening concerns that Maine’s iconic fishery could eventually suffer the same fate as the fishery in southern New England. The international conference puts Maine and its coastal economy in the spotlight and its fishery in a global context, says Wahle, one of the so-called renegade biologists in Trevor Corson’s 2004 book “The Secret Life of Lobsters.” “Let’s start with the fact that the American lobster is the nation’s most valuable fishery,” says Wahle. “Our lobster has become an icon of marine fisheries and a poster child of a changing ecosystem.” Maine’s lobster fishery is one of the most productive in the world. Lobster is Maine’s single most-valuable export — at \$331 million in 2015. Markets for live lobster in Asia and Europe are at an all-time high. Since 2014, Wahle says Ready Seafood Company in Portland has increased exports to China by 30 percent. There’s been controversy about lobster exports, as well. After American lobsters escaped from holding pens in European waters, Sweden proposed an European Union ban on future imports on grounds the American lobster is an invasive species. The EU panel denied the proposal, though, averting what Wahle says could have been crisis for U.S. and Canadian trade with Europe. More about the topic will likely unfold at the conference, he says. Forging connections, engaging in a global dialogue and learning from other scientists all have been valuable to Wahle, who has attended six international conferences since 2000. He’s is a natural to co-chair the conference. For decades, the UMaine research professor has studied the ecology of the American lobster. Wahle’s lab at the Darling Marine Center in Walpole is the hub for the U.S.-Canadian monitoring program — the American Lobster Settlement Index. Since 1989, this diver-based survey, now carried out by a partnership of government and academic institutions, has annually censused newly settled postlarval lobsters repopulating coastal nurseries. Wahle and collaborators are developing tools to predict population trends by understanding larval transport, settlement and post-settlement processes. Kari Lavalli, a marine biologist at Boston University, is co-chair of the symposium. Sen. Angus King, who Wahle calls a longtime supporter of fisheries — will welcome attendees. Three keynote speakers will highlight scientific sessions. Jelle Atema, professor at Woods Hole Oceanographic Institution, will discuss “Sensory Biology & Behavior.” Paulo Prodohl, professor at Queen’s University in Ireland, will discuss “Genomics Revolution.” And, Malin Pinsky, assistant professor at Rutgers University, will talk about “Ocean Animals on the Move: Consequences for Ecological and Human Communities.” June 8 will be Industry Day, during which commerce leaders will conduct sessions for harvesters, dealers, distributors, biologists and fishery managers from Newfoundland to New Zealand. Discussion will include strategies employed by lobster fisheries around the world to sustainably and profitably manage the resource. A special session will focus on merits of collaborative science-industry research as a worthwhile, cost-effective investment in sustainable fisheries. Participants also will share perspectives on how to confront and adapt to challenges and uncertainties of doing business in a changing climate and global economy. Wahle says the discussions can lead to new partnerships and areas of research. The needs of lobsters, as well as those who rely on them to earn a living, can better be met when everyone in the fishery collaborates, he says. In addition to keynotes, science talks, discussions and poster sessions, attendees can join a lobsterman hauling traps in Casco Bay. They also can tour area microbreweries, scuba dive, kayak, take a river cruise at UMaine’s Darling Marine Center, shop in Freeport and visit the Portland Fish Pier. There also will be a Casco Bay Lines cruise to Peaks Island for a lobster bake. The conference will conclude with the Gulf of Maine Research Institute’s farewell social on Portland’s waterfront. To register and for more information, visit 11thicwl.com. Contact: Beth Staples, 207.581.3777

Comedian Bill Engvall brings blue collar humor to CCA

16 Feb 2017

Comedian Bill Engvall will deliver his stand-up routine at the Collins Center for the Arts at 7 p.m. Friday, Feb. 24. While Engvall traveled for six years with Jeff Foxworthy, Larry The Cable Guy and Ron White for the Blue Collar Comedy Tour, he’s also used to performing solo. The American Comedy Awards named him the funniest male stand-up comedian in 1992. Engvall, born in Galveston, Texas, shares the humor he finds in everyday situations. His first comedy album, “Here’s Your Sign,” was platinum and the soundtrack for “Blue Collar Comedy Tour: One For The Road” was nominated for a Grammy Award. Engvall wrote his autobiography “Just a Guy: Notes from a Blue Collar Life,” acted in the movie “Delta Farce” and starred in the TV program “The Bill Engvall Show.” In 2013, Engvall and his professional dancing partner advanced to the finals of “Dancing with the Stars,” finishing fourth. And in 2015, he recorded the Netflix special “Just Sell Him For Parts.” Townsquare Media is the event sponsor. Tickets are \$45, \$55 and \$65; group rates are not available for this performance. A limited number of meet-and-greet tickets for an additional \$40 per person are available. Tickets and more information are available [online](#). Also, for tickets and to request an accommodation, call 581.1755.

UMaine Extension publications offer advice for maple syrup season

16 Feb 2017

Maine Maple Sunday is not until March 26, but the sap is already flowing in some parts of the state according to Kathy Hopkins, a maple syrup expert with the University of Maine Cooperative Extension. A typical season for maple producers is usually a cold January and February, with trees being tapped in mid-to-late February or early March depending on where in the state a sugarbush is located, according to Hopkins. After the 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. “These days, with the weather so capricious, the maple season can begin anytime between January and late March,” Hopkins says. “Last year, producers started in March and made syrup into late April since the conditions were perfect for a long stretch of time.” UMaine Extension offers several syrup-related publications and videos through its [publications catalog](#), including:

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

Tree Street Youth students to visit UMaine for campus tour, diversity dialogue

16 Feb 2017

The public is invited to a diversity dialogue with students from Tree Street Youth during their visit to the University of Maine on Tuesday, Feb. 21. Tree Street Youth is a Lewiston-based nonprofit offering after-school and summer programs to predominantly low-income students from immigrant or refugee families. Founded in 2011, the agency supports Lewiston-Auburn youth through programs rooted in academics, the arts and athletics in a safe space that encourages healthy physical, social and emotional development. It aims to promote individual successes by building unity and creating bridges across lines of difference. The Tree Street Youth students will spend the day at UMaine, including a campus tour led by a representative from the Office of Multicultural Student Life. In addition, they will meet with students in the College of Education and Human Development's Education in a Multicultural Society course taught by Tammy Mills, an assistant professor of education. The diversity dialogue from 2:15 to 3:30 p.m. in the Coe Room of the Memorial Union is open to the public. A snow date is scheduled for Thursday, Feb. 23.

Maine Edge interviews comedian Bill Engvall ahead of CCA show

16 Feb 2017

[The Maine Edge](#) spoke with comedian Bill Engvall ahead of his Feb. 24 stand-up routine at the Collins Center for the Arts. "It's always fun to do shows there in Maine," Engvall said. "The people there definitely love to laugh and the crowds are always good. And honestly, I feel like I have a lot in common with you folks." Tickets and more information are available [online](#).

Grad student works with children at Haystack's Fab Lab, Ellsworth American reports

16 Feb 2017

Wade Warman, a kinetic artist and graduate student at the University of Maine, has been helping seventh- and eighth-graders from Deer Isle-Stonington Elementary School make physics projects at the Fab Lab at Haystack Mountain School of Crafts, [The Ellsworth American](#) reported. The Fab Lab is a scaled-down version of a lab at the Massachusetts Institute of Technology where artists create work using laser cutters, 3-D printers and other equipment. Warman was on hand recently to offer guidance, as students used laser and vinyl cutters to make gear-driven, mechanical devices called automata out of cardboard.

Kloetzli says farmers, gardeners still need to know how to deal with drought, BDN reports

16 Feb 2017

The [Bangor Daily News](#) reported Cathryn Kloetzli, an agriculture and food systems professional with the University of Maine Cooperative Extension, is advising farmers and gardeners to learn how to deal with drought, even though parched growing seasons are rare in Maine and moisture levels in the ground are likely to increase due to the growing snowpack. UMaine Extension recently put together a [list of resources](#) to help farmers and gardeners deal with drought. "Maine is a very water-rich state, and [a drought] is maybe not something that is on people's radar," Kloetzli told the BDN. "But because we have an uncertain climate, we wanted to just raise awareness to things that can be done to help."

FoodCorps working to improve Maine students' eating habits, Press Herald reports

16 Feb 2017

The [Portland Press Herald](#) published an article on the FoodCorps program and its efforts to improve the eating habits of Maine students. FoodCorps is a national service organization affiliated with AmeriCorps that places its service members in high-need areas where schools are an important part of the nutritional safety net, according to the article. A dozen FoodCorps members are stationed in Maine this school year, working with students and school food service staff to make food more appetizing and healthy, the article states. After a week of intensive training, FoodCorps service members are sent into the community, the Press Herald reported. Members must spend 1,700 hours total in up to three schools over the course of the year, but a lot of them go above and beyond that, according to Vina Lindley, a food systems/youth development professional with the University of Maine Cooperative Extension, which is a state partner of the program.

BDN advances 2017 International Dance Festival

16 Feb 2017

The [Bangor Daily News](#) previewed the University of Maine's 2017 International Dance Festival scheduled for 2 and 7 p.m. Saturday, Feb. 18 at the Collins Center for the Arts. The 13th annual event showcases an array of traditional music, dance and clothes from around the world that is representative of the diverse student body at UMaine. The free event regularly fills the CCA to capacity twice in one day, according to the article. More than 100 local and statewide performers representing 12 different dance traditions will participate in a nearly two-hour long performance, the article states. Sarah Joughin, senior associate director of international programs at UMaine and one of the lead organizers of the event, said she had no idea the festival would become so popular. "This was all student driven. Students came to me and said they wanted something in the spring semester, to compliment what we do in the fall, which is Culturefest," Joughin said. "It really was popular right from the get-go. Every year it gets bigger and bigger." Jodaliza Feliz, a third-year student from New York, will perform a Caribbean-inspired dance piece with a group of fellow students, the BDN reported. "The practice is the best part. Getting close to people. Seeing something go from zero to 100," Feliz said. "It's a melting pot of different people. And even after practicing and the show, we stay friends. And it's just really cool to see what everybody brings to the table. It makes you feel like you're part of a community."

Steneck, USM students embrace ecotourism experience in Cuba

16 Feb 2017

University of Maine oceanographer Bob Steneck snorkeled on a remote coral reef and sailed a tall ship off Cuba with University of Southern Maine students enrolled in a Winter Term course. Those activities were part of an innovative, team-taught, 20-day course — Navigating Change in Cuba: Sustainable

Maritime Environments and Tourism Development — with lead instructor Tracy Michaud Stutzman of the USM Department of Tourism and Hospitality and Jeffrey Boutwell, a Cuba tourism expert. Students were tasked with developing a tourism strategy that included sustainable initiatives regarding nation's pristine coral reefs and hospitality training needs for Cubans. They interviewed residents and learned about the island nation's history, politics and culture. They also studied marine conservation and visited local attractions. "Overall, this was a life experience for everyone," says Steneck, a professor in the UMaine School of Marine Sciences. "This is the beginning of an ambitious experiential academic program in Cuba. Although the island country is less than 100 miles from the U.S., it is a completely different world. All of the students embraced the pioneering aspect of this program and brought incredible enthusiasm to the program." Stutzman says faculty and students appreciated the opportunities to talk with Cubans and visit a nation that, until diplomatic relations were recently restored, had been closed off from Americans for more than 50 years. It was fascinating, she says, to experience the beauty of Cuba, the generosity of the people and the excitement of fledgling entrepreneurs. "To be in that place at this time was unique," says Stutzman, who has a doctorate in anthropology/archaeology and chairs the USM Department of Tourism and Hospitality. It will be interesting, she says, to see how tourism is developed, sustained and monitored in Cuba. Cuban journalist Carlos Manuel Álvarez wrote in *The New York Times* that, until recently, the nation resembled a 1950s theme park. The 131-foot-tall schooner *Harvey Gamage* was home base, as well as a classroom and research vessel for students and staff from Dec. 27, 2016 to Jan. 15, 2017. Four students were enrolled in the six-credit tourism class and 14 nursing majors joined the excursion to learn about Cuba's health care system. The schooner — ported in Cienfuegos harbor on Cuba's southern coast during the course — was built in 1973 at Gamage Shipyard in South Bristol, Maine about a decade after the Cuban Missile Crisis. Steneck shared with students how coral reef ecosystems — which teem with fish, algae and coral — grow. And he discussed the importance of coral reefs in terms of providing food, protecting shorelines and supporting tourism jobs. And, when the group sailed the *Harvey Gamage* to the reef to snorkel, Steneck says getting there was half the fun. "The winds were strong, which creates a problem for snorkeling but they were just what we needed to sail the 250-ton *Harvey Gamage* to the famed Gardens of the Queen (one of the world's best preserved marine areas)," he says. "It is one of the most remote reefs in the Caribbean. This is, in part, due to strict controls and limits on boats and motors in Cuba, so there has been virtually no fishing in this region." Steneck, who's based at the Darling Marine Center in Walpole, says all hands were on deck to help sail the *Harvey Gamage*. That included hoisting sails, steering and anchoring the ship. "When you finally get to your study site, you feel as though you really earned it," he says. While the strong winds were great for sailing, they also stirred up sediment so snorkelers could only see fish that were close to them. Nevertheless, Steneck says they did see some unusual corals and species of sea urchins not common throughout coral reefs of the Caribbean. Steneck also introduced students to ecological challenges in the Caribbean, including hotel development and the decline of Mexico's reefs along the Yucatan coast. Class discussions included how Cuba's coral reefs and ecotourists could be a blessing or a curse for the region depending on how they're managed. Back on land, students toured Havana, a sugar plantation, a botanical garden and a museum and interviewed health care providers and community stakeholders at University of Cienfuegos. Feb. 1, they submitted their final tourism development reports and journal reflections. Stutzman says Steneck's tropical marine expertise provided USM students — who will one day be leaders and decision-makers in the tourism industry — with a valuable science-based perspective. "We can't all be experts in everything but to have access to a variety of experts across the [University of Maine] system is valuable," she says. Contact: Beth Staples, 207.581.3777

'Tides' author to give talk March 1 at Darling Marine Center

17 Feb 2017

Jonathan White will sign copies of "Tides: The Science and Spirit of the Ocean" at his noon talk Wednesday, March 1 at the University of Maine Darling Marine Center in Walpole. White, a mariner and marine conservationist, ran educational programs aboard his 65-foot wooden schooner, *Crusader*, in the 1980s. The *Crusader* was nearly destroyed in 1990 when it ran aground during a high tide in Alaska's Kalinin Bay. That dramatic personal experience was the impetus for his book. To better understand the power of tides, White traveled to the Silver Dragon, a 25-foot tidal bore on China's Qiantang River. In the Arctic, he and an Inuit elder shimmied through a hole in the ice to find blue mussels. And in Venice, White witnessed the city's extraordinary preparations for sea-level rise. "I've learned a lot from White's book about tides in just the first 50 pages," says Heather Leslie, DMC director. "Communities all over the world are shaped by the tides and reading of their experiences has given me even greater appreciation for our own tidelands in the midcoast." Leslie, also a professor in the UMaine School of Marine Sciences, is an intertidal ecologist. "It's a great book, and I'm looking forward to hearing from the author about the science and spirit of tides," she says. Attendees are invited to bring a brown bag lunch to the talk in Brooke Hall. The DMC will provide beverages and cookies. The book, which retails for \$28 hardcover, will be available for purchase at the talk. And, as of Feb. 21, it will be available at Sherman's Maine Coast Book Shop in Damariscotta.

2017 UMaine Student Symposium collecting submissions

17 Feb 2017

Abstract submissions for the 2017 University of Maine Student Symposium on April 24 are now being accepted. The UMaine Student Symposium, a campuswide celebration of achievement in student research and creative activity, will be held at the Cross Insurance Center in Bangor from 8 a.m.–6 p.m. The event, which is free and open to the public, is sponsored by UMaine's Graduate Student Government and the Center for Undergraduate Research (CUGR). Undergraduate and graduate students from all disciplines are encouraged to participate and share their research and creative activities through presentations, posters, performances, exhibits and roundtable discussions. Last year's symposium featured the work of more than 500 undergraduate and graduate students. The deadline for student abstract submissions is 4 p.m. March 3. For more information, free preregistration and abstract submission, visit the symposium website.

Free Press reports on recent scientific diving certifications at Darling Marine Center

17 Feb 2017

[The Free Press](#) reported nine undergraduate and graduate students recently earned their scientific diving certification at the University of Maine Darling Marine Center in Walpole. Scientific divers use scuba or other diving equipment to study the underwater environment, according to UMaine diving safety officer Christopher Rigaud. The UMaine program follows American Academy of Underwater Sciences standards, which require passing stringent physical exams, meeting additional training requirements, and maintaining a sustained level of diving activity, according to the article. "Our students spend many hours learning about diving physics, physiology, equipment, first aid and rescue techniques, while studying regulatory and scientific policy and procedures," Rigaud said. "They're also putting those skills into practice under the water."

KJ, Morning Sentinel preview Olga Vocal Ensemble at Minsky

17 Feb 2017

The [Kennebec Journal and Morning Sentinel](#) reported the Olga Vocal Ensemble will perform at 3 p.m. Sunday, Feb. 19, at Minsky Recital Hall at the University of Maine. The five young a cappella singers combine enthusiasm, drama and comedy with vocal clarity and a unique sound, according to the article. The Dutch, Icelandic and Russian singers perform classical music as well as medieval Icelandic drinking songs and nostalgic hits, the article states. Tickets are available on the CCA [website](#) or by calling 581.1755.

New media student turns summer job into film, Castine Patriot reports

17 Feb 2017

The [Castine Patriot](#) reported on University of Maine senior Alex Turanski turning his summer job on a lobster boat into a film project for his new media class. Last summer while working on the Matt Pat out of Stonington, Turanski was inspired to create a documentary, according to the article. He reboarded the Matt Pat to shoot the hours of film that would turn into the five-minute video, "[Lobstah!](#)" Turanski said he is now working on his next project, a promotional video for 3-D printers that shows printing legs for a chicken that lost its limbs to frostbite.

Portland to host international lobster conference in June, AP reports

17 Feb 2017

The Associated Press reported the city of Portland will host the 11th International Conference & Workshop on Lobster Biology and Management June 4–9. The conference will focus on environmental changes affecting the lobster industry. The globalization of the lobster industry also will be a key subject, according to the report. University of Maine marine scientist Rick Wahle is co-chairing the event that is expected to attract about 200 biologists, oceanographers, industry professionals and fishing managers. American fishermen caught more than 146 million pounds of lobster in 2015; Maine accounted for more than 122 million of those pounds, the AP reported. [U.S. News & World Report](#), Maine Public, WABI (Channel 5) and [The Sun Chronicle](#) of Massachusetts carried the AP report.

DMC researchers test technique to determine lobster's age

17 Feb 2017

Research professor Rick Wahle and graduate student Carl Huntsberger are testing a technique at the University of Maine Darling Marine Center to determine the age of lobsters. Unlike fish, mollusks and trees, Wahle says lobsters and other crustaceans molt — or cast off their skeletons thereby discarding external signs of growth. That means a lobster's age is estimated on size, but it's a rough determination because ocean conditions affect the crustacean's growth rate. Not knowing a lobster's age is problematic for scientists and fishery managers seeking to measure the health of the fishery and the sustainability of the stock. Recent research by Raouf Kilada of the University of New Brunswick revealed that lobsters and other crustaceans have internal structures that exhibit growth patterns similar to tree rings. Kilada found tree-ring-like microscopic bands, less than 1 millimeter thick, within a lobster or crab's gastric mill— which is a part of the stomach that grinds food. Kilada recently visited the DMC to share his technique with Wahle and Huntsberger. Kilada provided hands-on instruction that he's perfected during many hours of trial and error. "At this point, we are able to dissect lobsters that have been held in captivity for three years after staining the gastric mill with a fluorescent dye, which marks when we began our observations," says Huntsberger, who is processing samples in the Wahle Lab. The growth bands are located in the ossicles, which are tiny plate-like structures in the stomach that facilitate grinding of food. To process a sample, ossicles are embedded in epoxy and cut into 150-micron sections. The number of bands can be counted with the use of a microscope. For reference, the thickness of a human hair is about 75 microns. Huntsberger says preliminary data indicate the bands do show annual growth patterns. The Maine Department of Marine Resources and Maine Sea Grant are funding the project. Contact: Melissa Wood, 207.479.0660

UMaine Extension offers new resource for food entrepreneurs

20 Feb 2017

University of Maine Cooperative Extension has launched a new online resource designed to be particularly useful to aspiring or existing food manufacturers wanting to produce specialty food products. The new [website](#), Resources for Food Entrepreneurs, was created by UMaine Extension regional small-business educator and Extension professor Louis Bassano; Extension food science specialist and associate professor of food science Beth Calder; and Extension business and economics specialist and professor of economics James McConnon. "Food-based enterprises and manufacturers require a wide range of information to help them successfully develop and market their products to consumers through various retail outlets," says Bassano, who recently completed a sabbatical focused on the specialty food industry, including key resources that would be helpful for Maine food businesses. Nationally, specialty foods are a \$120 billion industry, with over three-quarters of the sector devoted to retail specialty foods and the remainder to food service. Specialty food sales at retail grew to \$94 billion in 2015, a 19.7 percent jump since 2013, driven by product innovations and wider availability of specialty foods through mass market outlets, according to the Specialty Food Association. The website includes information about Recipe to Market, UMaine Extension's educational program designed for individuals wanting to start a specialty food business. Links are provided to state licensing agencies, specialized testing services and a commercially licensed kitchen available for rent at UMaine. Food entrepreneurs will find useful information on business planning, including samples of business plans for various food enterprises; marketing; financing options; food brokers, co-packers and distributors; trade associations; trade shows; and publications. For more information, contact Louis Bassano, 255.3345; louis.bassano@maine.edu.

Kersbergen cited in BDN story on teen who learned to artificially inseminate dairy cows

20 Feb 2017

The [Bangor Daily News](#) interviewed Rick Kersbergen, a University of Maine Cooperative Extension professor of sustainable dairy and forage systems, for a story on a high school sophomore from Belfast who took a class last fall on how to artificially inseminate a dairy cow. The student, Karagen Stone, works part time at Keene's Dairy in Knox, which ran the class, according to the article. Kersbergen told the BDN it's important to have more local farmers who know how to artificially inseminate dairy cows because, oftentimes, technicians live far away and can't reach a farm when needed.

Rebar quoted in Press Herald column on growing marijuana in Maine

20 Feb 2017

The [Portland Press Herald](#) spoke with John Rebar, executive director of the University of Maine Cooperative Extension, for a “Maine Gardener” column titled, “It may be legal to grow marijuana in Maine, but it’s not easy to get gardening advice.” The local sources most Mainers go to for gardening help will not assist with growing marijuana, according to the article. Rebar told the Press Herald that because UMaine Extension receives money from the U.S. Department of Agriculture, funding would be threatened if it did any work on cannabis.

Kersbergen to speak at Vermont organic dairy conference, Lancaster Farming reports

20 Feb 2017

University of Maine Cooperative Extension professor Rick Kersbergen will give the keynote address at the upcoming Vermont Organic Dairy Producers Conference, [Lancaster Farming](#) reports. Kersbergen, who specializes in sustainable dairy and forage systems, will talk about nutritional strategies for optimal herd health and performance at the March 9 conference at Vermont Technical College. Kersbergen will give a second talk on Dairy Grazing Apprenticeship, an on-farm employment and mentorship program that trains new graziers, according to the article.

Church bean supper facts from Maine Folklife Center cited in Press Herald column

20 Feb 2017

The Maine Folklife Center at the University of Maine was mentioned in the [Portland Press Herald](#) article, “To save the planet, eat more dried beans,” as part of the “Green Plate Special” column. According to the Maine Folklife Center, the yellow eye is the most popular bean cooked at Maine church suppers because of its clean, mild taste, the article states.

Mayewski cites role of international agreements in fighting climate change, Smithsonian reports

20 Feb 2017

[Smithsonian Magazine](#) interviewed Paul Mayewski, director of the University of Maine’s Climate Change Institute, for a story on the historical role international agreements have played in addressing climate change. In the late 1980s, the Montreal Protocol began the process of closing a hole in the ozone layer caused by ozone-depleting chemicals found in a wide array of consumer products at the time, according to the article. The ozone layer, Mayewski told Smithsonian, has largely recovered thanks to the Montreal agreement.

Top Gun, Scratchpad Accelerator cited in MaineBiz article on Bangor startup

20 Feb 2017

Two innovation accelerator programs with University of Maine ties helped Bangor startup L&K Manufacturing get off the ground, [MaineBiz](#) reported. L&K Manufacturing, doing business as Cobbler Technologies, is developing multimaterial, 3-D printers for the footwear industry. The company was started by Andrew Katon and Vincent Lewis who met as students at UMaine, according to the article. Tim Abraham, the company’s robotics engineer, also became involved as a UMaine student. Katon and Lewis were among the companies in the Maine Center for Entrepreneurial Development’s 2015 Top Gun class, as well as the Scratchpad Accelerator, a UMaine initiative in collaboration with the Maine Technology Institute, according to the article. Top Gun Prep and Top Gun helped the duo learn how to start a business, while Scratchpad Accelerator taught them how to get funding and take the company to a commercial scale. Scratchpad also gave them \$25,000, the article states. “The [Scratchpad] program guides entrepreneurs through the early stages of business development to help them improve their chances of success,” Katon said.

WABI covers 2017 International Dance Festival

20 Feb 2017

WABI reported on the University of Maine’s 2017 International Dance Festival held at the Collins Center for the Arts. The 13th annual event showcased an array of traditional music, dance and clothes from around the world that is representative of the diverse student body at UMaine. More than 70 dancers took part in performances ranging from traditional Korean to modern hip-hop dances, WABI reported. “I think a lot of communities these days are struggling with a lot of issues around diversity. So it’s great to have a day where we’re celebrating diversity, and the diversity we have on campus and in the community, as well,” said Sarah Joughin, senior associate director of international programs at UMaine and one of the event organizers.

Press Herald publishes feature on Hall, glacier research

20 Feb 2017

The [Portland Press Herald](#) published a feature article on Brenda Hall, a glacial geology professor at the University of Maine, as part of its “Meet” series. The Press Herald interviewed Hall about “her journey from growing up in Standish to being a globe-trotting expert on glacial geology and the stability of ice sheets.” Hall, a researcher with UMaine’s Climate Change Institute, has been on 27 polar expeditions and recently returned from a six-week trip in Antarctica, according to the article. Hall said her love of glaciers started when she was 10 or 11 and found a book on the subject. “It captured my imagination at the time,” she said. Her recent trip took her to a glacier she had never been to before, where “we found that there is actually quite a bit of plant life in these parts,” she said. “We may have found the most southern moss ever recorded.”

Accomplished actors to perform ‘Selected Shorts’ at CCA

21 Feb 2017

Three stage and screen actors will perform short stories about love, loss, chance encounters and new beginnings at 8 p.m. Saturday, Feb. 25 at the Collins Center for the Arts. The hit public radio series, “Selected Shorts: Let Us Tell You a Story,” is broadcast weekly on more than 150 stations to about 300,000 listeners. This live “Strangers & Lovers”-themed performance features Mia Dillon of “BrainDead,” Keir Dullea of “2001: A Space Odyssey,” and Zach Grenier of “The Good Wife.” “Selected Shorts” — which include stories around a dynamic theme, favorite works of a guest author, or a special collaboration — are a unique night of literature in performance. Author and humorist David Sedaris called the show “one of the finest evenings at the theatre.” Tickets may be ordered [online](#). Orders that include tickets for high school students must be purchased in person or by calling 581.1755 and picked up at the box office the night of the performance. Anyone requesting a special accommodation also may call.

Brewer talks ethics in BDN story on politicians wrestling with conflict of interest

21 Feb 2017

The [Bangor Daily News](#) interviewed University of Maine political science professor Mark Brewer for a story on Maine politicians navigating conflict of interest issues.

BDN publishes op-ed by Howard

21 Feb 2017

The [Bangor Daily News](#) published the opinion piece, “It’s encouraging to see conservatives get behind a carbon tax to fight climate change,” by Michael Howard, a philosophy professor at the University of Maine.

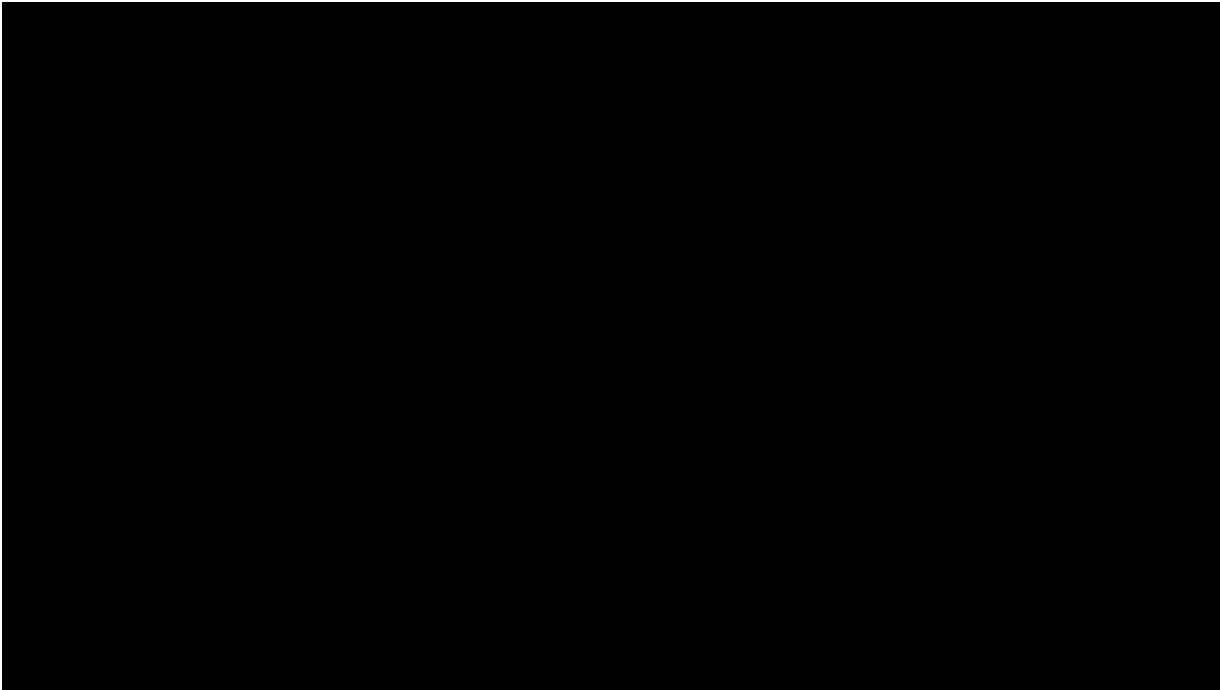
New Scientist reviews Comins’ latest book on space travel

21 Feb 2017

[New Scientist](#) published a review of “The Traveler’s Guide to Space: For One-Way Settlers and Round-Trip Tourists,” the latest book by Neil Comins, a professor of physics and astronomy at the University of Maine. “‘The Traveler’s Guide to Space’ is a delight, and the fact that few of its readers will ever need to use it doesn’t diminish its pleasures,” the review states. “Difficult terrestrial journeys will remain just that. However, after reading this guide, space will sound far more fun than our planet’s offerings — but also more challenging and perplexing than you could have expected.” [National Science Teachers Association](#) (NSTA) also reviewed the book.

Adapt and overcome

21 Feb 2017



[Read transcript](#) Elisabeth Kilroy, a second-year Ph.D. student in the University of Maine’s Graduate School of Biomedical Science and Engineering, shares her research in muscular dystrophy and what inspires her work. To Kilroy, the science is personal. Read the full UMaine Today article [online](#).

Transcript

Elisabeth Kilroy: I think my interest in science began when I realized my dad was different from every other dad in the way he moved and the activities he could participate in. And then, when I was 11, he became paralyzed. I remember the doctors saying, “Your dad’s never going to walk again.” And I

questioned. I said, “Why?” And they said, “Well, he was injured. His muscles won’t work anymore.” And I never believed that. And then, I was 16 when my brother was diagnosed with muscular dystrophy. And at that moment, I said, “This is my life. I’m going to dedicate my entire career to understanding the disease part of it.” My dad called me one night, and he said, and I quote, “Hey, Elisabeth, apply to UMaine. Doctors Greg Cox and Clarissa Henry are perfect. I’m sending you a check in the mail with the money for the application fee, the money to send your GREs. I’ll talk to you later. Goodbye.” And at that point, I had just finished my applications to other schools. I was, “Aw, I’m done.” I do what all good daughters do and listen to your dad. So, I reworked my personal statement. I sent off the application that night, and it’s been a blessing. The faculty, they’re so brilliant. They’re so fun to be with. I’d call it a romance because I really am in love with GSBSE. Even though there are six different sites and everyone’s working on a different site, when we all come together, it’s like we never left each other from the previous time. The research I’m doing here at University of Maine is focused on developing effective therapies for different models of muscular dystrophy in zebrafish. You have your muscular dystrophy fish. Now, our fibers aren’t straight and linguine-like. They’re kind of like ramen noodles or ziti because we have breaks in them. One thing that I’m looking at particularly is exercise. It’s been researched throughout the years, but there’s still no answer as to what’s beneficial and what’s detrimental. So right now, I’m trying to set up different exercise protocols that we can use on the zebrafish. And I know you’re wondering exactly how do you exercise zebra fish in a controlled fashion. That’s something my brother and I have worked out. He’s an electrical engineer. He graduated from University of Maine in 2012 with an electrical engineering degree. And so, him and I, we sat on the phone, and we determined how an electrical simulation, so an electrical shock, would correlate with what we do in the weight room. And so I became really passionate about this feature because of my degree in exercise science. This is the number of reps you’re going to squat, and then the delay is the period between each squat. And then the duration is how long the squat lasts. Then, the volt says how hard the squat is. Understanding the physiology of muscular dystrophy is critical. It’s considered a rare disease, but I can name off 20 people right now that have it. And so I think it’s not only helping my family with what I’m doing, but it’s helping all those individuals suffering from muscle wasting and a progressive loss of being able to move. They have missed so much because they’re bound to a wheelchair. I think being able to give back everything they’ve given up. I wish it to be sooner than later, but being able to know that one day, I can tell someone, “You know, I found a cure for muscular dystrophy.” That’s what I want. It’s powerful. Research is super powerful. And right now, I think I’m on the right path. [Back to post](#)

Biogeochemical links across Greenland key to understanding Arctic

21 Feb 2017

The Kangerlussuaq region of southwest Greenland is a 3,728-square-mile corridor stretching from the ice sheet to the Labrador Sea. In this area near the top of the world, landscape and ecosystem diversity abounds. Flora and fauna range from microbes in the ice sheet to large herbivores — caribou and musk oxen — living on the tundra, and aquatic plants and animals in the diverse bodies of water, including silt-filled rivers, ponds, lakes and rushing mountain streams. The varied terrestrial and aquatic ecosystems in this, the country’s largest ice-free region, receive water, geological material, organic carbon and nutrients from the glacier surface — an integrated system that has been undergoing substantial change since 2000 due to rapid regional warming. In a recent article in the journal *BioScience*, “The Arctic in the 21st Century: Changing Biogeochemical Linkages Across a Paraglacial Landscape of Greenland,” researchers from seven countries, including a team from the University of Maine, detail the ecosystems in southwest Greenland and explore how rapidly changing environmental conditions may alter this landscape, including the flow of water, carbon and nutrients. Their perspective, the outgrowth of a 2015 international workshop in the U.K., highlights the importance of looking across landscape ecosystems and time periods — including the paleoecological record — to understand the interrelated, dynamic processes affecting areas such as the Arctic that are expected to continue to warm. Funding for the research collaboration came from the U.K.’s Natural Environmental Research Council and the U.S. National Science Foundation. Based on how the Arctic’s diverse geomorphic and ecological systems have responded to the current warming trend, shifting temperature and precipitation levels have the potential to change such aspects as mammal size and abundance, vegetation cover and type, and carbon and nutrient flows across systems, according to the researchers. “Now is the time to decipher how Arctic landscapes respond to rapid environmental change so we can better predict how continued, rapid warming over the 21st century will alter this ecosystem,” says Jasmine Saros, associate director of the University of Maine Climate Change Institute and one of seven UMaine professors conducting research in the Arctic in recent years. Saros, who co-coordinated the 2015 workshop, is one of the 27 authors of the journal article, led by N. John Anderson at Loughborough University. Saros led the UMaine research team on the project that included postdoctoral research associate Robert Northington, and graduate students Benjamin Burpee and Rachel Fowler. In the last two decades, the Arctic has seen some of the most rapid environmental changes on Earth. Synthesizing two decades of multidisciplinary research in the Kangerlussuaq region — focused on changes in water, carbon, nutrients and other elements, and anthropologic influences such as atmospheric pollution — highlights the complex linkages among glacial, proglacial, aquatic and terrestrial systems in the deglaciated landscape, the researchers write. “Regional warming is driving increased seasonal melt on the ice sheet, altering phenology and changing landscape hydrology,” according to the researchers. “Some of these changes are interacting in unpredictable ways (meltwater pulses and dust production), whereas others may have cascading effects, such as altered herbivore densities on tundra vegetation and soil (carbon) dynamics.” By linking numerous paleoecological records from this region with contemporary measurements, researchers hope to obtain a holistic and “more rigorous definition of natural background conditions against which 21st-century change can be compared.” Contact: Margaret Nagle, 207.581.3745

‘Growing Maine’ shows mentorship key in farming

22 Feb 2017

The fourth installment in the University of Maine Cooperative Extension “Growing Maine” series of short documentaries, highlighting Maine food producers and farm families, tells the story of Dan Kaplan and his family’s grass-fed beef operation, Heartstone Farm, in Charleston. Kaplan, along with partner and farmer Tara Hesseltine and her son Logan, are relatively new to farming. They quickly learned that the expertise of other farmers could help avoid reinventing the wheel. In this video, Kaplan introduces his mentor, Fred Sherbourne, a former dairy farmer who has made a big difference to a new family farm. 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 can be viewed [online](#). Viewers also have the opportunity to suggest future story ideas for new videos that will be released throughout the year. For more information, contact Leslie Forstadt, 581.3487; leslie.forstadt@maine.edu.

Mainebiz reports on USM Cuba course co-taught by Steneck

22 Feb 2017

[Mainebiz](#) reported a group of students from the University of Southern Maine recently completed a team-taught, 20-day course off Cuba to learn how to develop a tourism strategy that included sustainable initiatives regarding Cuba's coral reefs and the hospitality training needs of its residents. Led by Tracy Michaud Stutzman of USM's Department of Tourism and Hospitality, Cuba tourism expert Jeffrey Boutwell and University of Maine oceanographer Bob Steneck, the students snorkeled on a remote coral reef and sailed on a Maine-built tall ship as part of their Navigating Change in Cuba: Sustainable Maritime Environments and Tourism Development course, the article states. "Overall, this was a life experience for everyone," said Steneck, a professor in the UMaine School of Marine Sciences. "This is the beginning of an ambitious experiential academic program in Cuba. Although the island country is less than 100 miles from the United States, it is a completely different world. All of the students embraced the pioneering aspect of this program and brought incredible enthusiasm to the program."

UMaine cited in BDN article on new food studies program at USM

22 Feb 2017

The University of Maine was mentioned in a [Bangor Daily News](#) article about a new food studies program at the University of Southern Maine that began in January. The program aims to teach students how to tackle the scientific, environmental, social, economic and political questions facing food systems using an interdisciplinary approach, according to the article. One unique aspect of the USM program is the collaboration with UMaine. While there is no interdisciplinary food studies program at UMaine, the flagship university has robust agriculture and food science programs, the article states. The USM program's executive director, Michael Hillard, said that as the program grows, the goal is to have an articulation agreement with UMaine and Kennebec Valley Community College, where USM students will be able to take sustainable agriculture courses to add to their food studies education.

Media report on DMC testing of technique to determine lobster's age

22 Feb 2017

[Mainebiz](#), The Associated Press and [Boston.com](#) reported researchers at the University of Maine Darling Marine Center in Walpole have been testing a new technique for figuring out the age of lobsters. Currently, a lobster's age is estimated by size, but it's a rough estimate because a lobster's growth rate is affected by ocean conditions. Not knowing a lobster's age is problematic for scientists and fishery managers trying to measure the animal's health and stock sustainability, according to the article. Recent research by Raouf Kilada of the University of New Brunswick found microscopic bands within the gastric mill of lobsters and crabs, a part of the stomach that grinds up food. The bands exhibit growth patterns similar to tree rings, the report states. Kilada recently visited the DMC to share his technique with DMC research professor Rick Wahle and his graduate student, Carl Huntsberger. The New York Times, [U.S. News & World Report](#), Boston Herald, WLBZ (Channel 2), WABI (Channel 5) and [Maine Public](#) carried the AP report.

Walker Day: Introducing new technology to Maine forest products industry

22 Feb 2017

The Maine forest products industry has been a part of Walker Day's life for as long as he can remember. Growing up in the small western Maine town of Lovell, Day watched as his father and grandfather spent the majority of their professional careers in forestry. "They both had a very big impact on how I was raised, and naturally, I looked up to both of them," says Day, a senior at the University of Maine. It was this admiration and Day's love of the outdoors that led him to pursue a degree in forestry in the School of Forest Resources; a decision he calls the best he has ever made. "I was never an indoors type of kid, and always wanted to be outside," Day says. "I knew I never wanted to have a job that required me to sit behind a desk." Day was drawn to working with large, industrial private landowners. "I like the idea of having such a large landscape at my fingertips to work with," he says. "I like the idea that I can sit back at the end of my career and look at the thousands of acres that I have impacted in some way, and be proud because signs of that work will be around for much longer than I am." While at UMaine, he has spent his summers working as a research assistant with the Cooperative Forestry Research Unit (CFRU), a collaboration among the School of Forest Resources and most of the state's largest landowners and managers; and as an intern with Plum Creek Timber Co., now known as Weyerhaeuser, and Seven Islands Land Co. His most recent summer internship with Seven Islands evolved into an academic-year position as an applied forest technology intern with cooperation from UMaine's Barbara Wheatland Geospatial Analysis Laboratory. The position was created to showcase new technology that could help the company make informed management decisions more efficiently, Day says. In this position, Day aims to demonstrate to Seven Islands the practicality of using new technology in forestry, such as unmanned aerial vehicles (UAV) or drones. At the end of the semester, Day will deliver a presentation on his UAV research using test sites in the company's Rangeley district. "The knowledge possessed by the Barbara Wheatland Geospatial Programs team is my greatest asset for this project," Day says. Day says UAVs can be used to create photo-derived point clouds of the forest canopy, as well as high-resolution orthophotos, or aerial photographs that have been geometrically corrected to have a uniform scale. Using UAVs instead of a traditional aircraft could potentially save time and money for foresters. In order to fly a UAV for any reason other than personal enjoyment, Day was required to become a certified remote pilot through the Federal Aviation Administration (FAA). To do so, he took — and passed — a knowledge test that focused on UAV rules and regulations, as well as in-depth understanding of airspace, weather and the interpretation of sectional aeronautical charts — subjects that don't necessarily come to mind when studying forestry. "Right now is a great time to be a college student in forestry. There are so many new innovations that are coming out right now, and there is no better place to learn these things than at the University of Maine," says Day, who points to UAVs as well as Light Detection and Ranging (LiDAR) analysis, a remote-sensing method that uses light in the form of a pulsed laser to measure ranges to Earth. Despite many mill closures around the state, Day is optimistic about the future of the industry. "The forest products industry is still a driving force in Maine," he says. "Some of the mills have closed, however we are still an \$8.5 billion industry. Any industry has its ups and downs, so I think the future looks pretty bright. Technology will continue to advance, so hopefully our practices in the woods will continue to get more efficient." A recently announced partnership between UMaine and a federal Economic Development Assessment Team (EDAT) is working to revive the state's forest products industry. In January, the Maine Forest Economy Growth Initiative released the report, "Recommendations to Strengthen and Diversify Maine's Forest Industry and Rural Economies." In the report, the coalition unveiled nine priorities to be addressed in the next three years, with the top priority being to develop a long-term vision and roadmap for the forest economy, according to an MDF release. "Maine is 89 percent forested, so I know there will always be a need for land managers, as well as supply of timber into the open market. Wood is a renewable resource, and I think that as time goes on, more people are starting to see that," Day says. "I look forward to the future and think the forest products industry in Maine will continue to be the driving force of this state's economy." Day chose to attend UMaine not only because it was close to home, but because he says it is known for producing top-tier foresters and for having one of the oldest, continually accredited professional forestry programs in the country. "It just seemed like the right fit for me, and it turned out to be an awesome fit," he says. Day says he believes the School of Forest Resources provided many opportunities and experiences that he wouldn't have had elsewhere, as well as a top-notch faculty. He interacts with most professors in the school on a first-name basis. "We have a strong community in Nutting Hall, and I think they all have impacted me in

some way,” he says. Day’s advice for incoming forestry students is to keep an open mind and try everything. “I wouldn’t trade any of the experiences I have had in my summer jobs for anything,” he says. “What I learned about forestry, and more importantly myself, during those jobs has proved to be invaluable.” While work and studying is essential, Day recommends leaving some time for fun. “I have had a blast during my time here, and I think you need that in order to be able to focus when it counts,” he says. After Day graduates in May, he hopes to continue working in the woods, preferably in Maine. “Maine will always be my home,” he says. Contact: Elyse Catalina, 207.581.3747

Students to volunteer in New York, Virginia on Alternative Breaks spring trips

23 Feb 2017

University of Maine students will travel to sites in New York and Virginia over spring break to volunteer as part of Alternative Breaks, a student-led organization that promotes community service. This spring, Alternative Breaks will sponsor five trips, each including nine to 11 UMaine student volunteers, plus a faculty adviser. Alternative Breaks has been organizing community service trips for UMaine students since 1998. This year’s trips will include service work on behalf of low-income adults and abused and neglected animals, as well as natural disaster recovery relief and maintenance and trail restoration work at a state park, according to Kayley Johnson, a fourth-year psychology major at UMaine and Alternative Breaks co-coordinator. Volunteer locations in March:

- Friends of Rockaway in Rockaway, New York, to work with a nonprofit organization to help rebuild homes after Hurricane Sandy hit in 2012;
- Natural Tunnel State Park in Duffield, Virginia, to clean trails, build picnic tables, and do general maintenance before the park opens for the 2017 season;
- Habitat for Humanity in Richmond, Virginia, to build homes for low-income adults;
- Woodstock Farm Animal Sanctuary in High Falls, New York, to work with abused and neglected animals; and
- Community Missions in Niagara Falls, New York, to provide hunger relief and home upkeep to low-income adults.

The 2017 Alternative Breaks trips leave March 4 and return March 11. More information about Alternative Breaks is online.

Robinson’s artifacts from the Amazon on display in Hudson Museum exhibit

23 Feb 2017

In 1979 and 1980, the late University of Maine archeologist Brian Robinson collected a range of traditional artifacts on a trip through the Amazonian rainforest in Peru. Robinson, who was an associate professor in UMaine’s Department of Anthropology and the Climate Change Institute, died last fall after a battle with pancreatic cancer. Now, visitors to UMaine’s Hudson Museum can see some of the artifacts that captured Robinson’s imagination, during his tours of Shipibo villages along Peru’s Ucayali River. Items on display, as part of the exhibit “Adventures in the Amazon,” include textiles, fishing and hunting gear and pottery. Some of the items were acquired directly from community members. Robinson purchased others from cooperatives in the region. All the artifacts in “Adventures in the Amazon” were collected between 1940 and 1980. Other items in the exhibit come from Harvard graduate student Homer Virgil Pinkley’s two years living with the Cofan in Ecuador in the mid-1960s, and from members of the U.S. foreign service and employees of American corporations, living and working in South America. “Adventures in the Amazon” is on display in the Hudson Museum’s Merritt Gallery until August. The museum is open 9 a.m.–4 p.m. Monday through Friday, and 11 a.m.–4 p.m. Saturday.

Women’s basketball tournament featuring UMaine to bring state \$4M, Mainebiz reports

23 Feb 2017

The University of Maine and eight of its rivals will face off in Portland in early March, when the America East Conference Women’s Basketball Tournament returns to Maine for the first time in 20 years, [Mainebiz](#) reported. Games will take place at the Cross Insurance Arena. The tournament, which also will be held in Portland in 2018, is expected to bring the state \$2 million a year in revenue.

Maine Edge reviews School of Performing Arts production of ‘The Pajama Game’

23 Feb 2017

[The Maine Edge](#) published a review of the University of Maine School of Performing Arts production of “The Pajama Game.” Dawn McAndrews, producing artistic director of the Theater at Monmouth, is guest directing the UMaine production of the musical, written by George Abbott and Richard Bissell, with music and lyrics by Richard Adler and Jerry Ross. “The Pajama Game,” based on Bissell’s novel “7½ Cents,” tells the story of a conflict between capital and labor in a sleepy factory town in Iowa. Performances in Hauck Auditorium continue through Feb. 26. Tickets are \$15 and are available [online](#); admission is free for UMaine students with a valid MaineCard. The [Bangor Daily News](#) also reviewed the play.

Laatsch, Comins speak with media about NASA’s discovery of seven ‘Earth-size’ planets

23 Feb 2017

News organizations around the world, including the [Bangor Daily News](#), reported on NASA’s recent announcement that it has discovered a solar system containing seven rocky, Earth-sized planets 39 light years away. The bodies orbit an ultracool dwarf star, according to NASA. Shawn Laatsch, director of the Emera Maine Astronomy Center and Jordan Planetarium, spoke with the BDN and [WVII](#) (Channel 7) about the discovery. “This is a major announcement,” he told the BDN. “It’s rare to find Earth-sized planets, but it’s especially rare to find several of them orbiting the same star not terribly far away.” After hearing the news Wednesday, Laatsch incorporated the discovery into the Jordan Planetarium’s show, according to the BDN. He also is planning future programming to feature the new system. [Yahoo News](#) carried the BDN report. Neil Comins, a professor of physics and astronomy at UMaine, spoke about the discovery on [KFGO 790 AM Fargo-Moorhead](#)’s “Nighttime Live with Bob Harris” out of North Dakota. Comins also spoke about his latest book, “The Traveler’s Guide to Space: For One-Way Settlers and Round-Trip Tourists.”

Cooking for crowds safely with UMaine Extension

24 Feb 2017

Volunteer cooks will have four opportunities in March and April to learn how to safely prepare food for large numbers of people. University of Maine Cooperative Extension in Cumberland County will present the Cooking for Crowds — Food Safety Training for Volunteer Cooks workshop from 9 a.m. to noon March 28, April 5 and April 13 at UMaine Regional Learning Center in Falmouth. An additional workshop is available 9 a.m. to noon March 7 in Pittsfield. The workshop offers up-to-date information about safely preparing, handling, transporting, serving and storing food at soup kitchens, church suppers, food pantries and community fundraisers. Participants receive the manual “Cooking for Crowds,” a certificate of attendance, posters and an instant-read thermometer. The class meets the Good Shepherd Food Bank food safety training requirements. The \$15 per-person fee includes materials; limited financial assistance is available. Registration is [online](#). For more information, or to request a disability accommodation, contact 781.6099, 800.287.1471 (in Maine) or extension.rlreception@maine.edu.

Nominations sought for 2017 Outstanding Professional Employee Award

24 Feb 2017

The University of Maine’s Professional Employees Advisory Council (PEAC) seeks nominations for the 2017 Outstanding Professional Employees Award. The award honors a professional employee whose actions and achievements beyond normal work responsibilities have provided outstanding service to their field, the University of Maine, and the community as a whole. Award criteria and the nomination form are online. Nomination forms and the required letters of recommendation also can be forwarded to Outstanding Professional Employee Award Subcommittee, c/o Michael Swartz, subcommittee chair, 101F Service Building; michael.swartz@maine.edu. Deadline for applications is March 24.

Times Record covers Bath talk on invasive moth

24 Feb 2017

[The Times Record](#) reported on a public forum in Bath to discuss the browntail moth infestation. This was the second of several forums led by the Maine Department of Agriculture, Conservation and Forestry and the University of Maine Cooperative Extension, according to the article. The moth has the ability to defoliate trees, and has tiny hairs that can cause a rash and respiratory problems in humans. “You aren’t imagining that the defoliation has increased,” said Lynne Holland, a community education assistant with UMaine Extension. “We are right in the heart of it here (in Sagadahoc County).”

WABI advances fraternity’s annual event to raise awareness of sexual assault

24 Feb 2017

WABI (Channel 5) reported the University of Maine Beta Theta Pi fraternity will hold its 24th annual Sleep Out, a fundraiser for Rape Response Services of Bangor. The students will sleep outside in front of their fraternity house from 6 p.m. Friday, Feb. 24 to 6 a.m. Saturday, Feb. 25 in an attempt to raise awareness of sexual assault. The goal this year is to raise \$10,000 for the nonprofit, which provides crisis, support and education services to people in Penobscot and Piscataquis counties, WABI reported.

Schmitt addresses what Arctic warming may mean for state in Maine Boats article

24 Feb 2017

Catherine Schmitt, communications director for the Maine Sea Grant College Program at the University of Maine, writes in [Maine Boats](#) that the climate changes altering life above the Arctic Circle are also influencing conditions along the Maine coast. At last fall’s Arctic Council meeting in Portland, writes Schmitt, scientists gave examples of the connection between what’s happening in the Arctic and phenomena now appearing in Maine. Examples included the weakening of the polar vortex, which sends cold air south into Maine, and possible changes to the Labrador Current, beneath the ocean surface.

Coffin speaks with WABI about buying local meat

24 Feb 2017

Donna Coffin, a University of Maine Cooperative Extension educator and professor, spoke with WABI (Channel 5) for a report about buying local meat in Maine. Coffin said the public wants to buy local, and cited the high number of farmers markets and CSAs in the state. “You’re making sure the money stays locally, and you’re able to get a product that is cut and wrapped to your specifications,” she said of the benefits of buying local meat. Coffin will be holding programs on the subject throughout the state in March, WABI reported. Locations include Newport, Bucksport and Lincoln.

Barbara Wheatland Geospatial Programs provides remote sensing for town of Orland

24 Feb 2017

The University of Maine’s School of Forest Resources recently finished an innovative remote sensing application for the town of Orland. The Barbara Wheatland Geospatial Programs’ aerial monitoring team produced a high-resolution orthophoto — an aerial photograph that has been geometrically corrected to have a uniform scale — and Light Detection and Ranging (LiDAR) analysis for Orland’s town office to be used for the development of a transfer station. This was the first time the team completed a geospatial project, using its plane, with turnover in under two weeks, according to Carter Stone, manager of the Barbara Wheatland Geospatial and Analysis Laboratory. Unlike previous work done by the lab, this was a complete aerial survey project covering all stages of a photo flight mission through data processing, according to David Sandilands, a remote sensing specialist and aerial survey pilot who led the project. “Additionally, the workflows can now be brought into the classroom for students to learn using real data, acquired and created by the lab in a real scenario, as opposed to reading about the concepts in a book,” said Sandilands, who added the client for the Orland project has offered to share the engineering plans so students can see a final product created with remotely sensed data generated in the lab. Last fall, the lab was approached by Foresight Engineering, a firm that bid on the design of a new transfer station in Orland. According to Sandilands, the firm, which had previously worked with the lab on a vernal pool study for the town of Lincoln, needed remote sensing specialists to perform the aerial survey portion of the project. Sandilands, a graduate research assistant pursuing a

master's degree in forest resources, planned the mission and operated the aircraft for the Nov. 23 flight. Stone assisted with placing ground control and checkpoints around the study area before the flight. Post-processing was done using the Barbara Wheatland Geospatial Programs remote sensing workstation. The photos were aligned, control points were placed on each, and an orthophoto output was created and provided to the client. The digitized layers included road edges, roadway striping lines, driveways, structures, tree lines, utility poles and fence posts. LiDAR data was acquired from the state and used to create a detailed elevation model and the required 1-foot contour lines. The digitized layers were then draped over the elevation model to produce a 3-D representation the client can use for determining the effects of slope on proposed clearing and construction, as well as water runoff, according to Sandilands. The final step was to run an accuracy assessment, which fell well within standards, Sandilands says. Contact: Elyse Catalina, 207.581.3747

Call for proposals to support cultural events

27 Feb 2017

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 next application deadline is March 27. 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 is [online](#).

Ellis to lead poetry workshop at Farnsworth Art Museum, Courier-Gazette reports

27 Feb 2017

Kathleen Ellis, an adjunct assistant professor in the University of Maine's Honors College, will teach a poetry workshop in March at the Farnsworth Art Museum in Rockland, [The Courier-Gazette](#) reported. Ellis, who also is a lecturer in UMaine's English department, is an award-winning author of five collections of poetry. Her most recent work is "Narrow River to the North." The workshop runs from 10 a.m. to 1 p.m. Monday through Friday, March 13–17.

Free Press advances DMC talk by 'Tides' author

27 Feb 2017

The University of Maine's Darling Marine Center will host a talk March 1 by Jonathan White, author of "Tides: The Science and Spirit of the Ocean," [The Free Press](#) reported. The talk will take place at noon in Brooke Hall on the lower waterfront campus in Walpole.

Morning Sentinel cites UMaine study in report on central Maine farms producing syrup

27 Feb 2017

The [Morning Sentinel](#) cited a University of Maine study in the article, "Some central Maine farms already producing maple syrup." The sap has already been flowing for some central Maine farmers, but others are holding off tapping trees as maple sugaring season ramps up, the article states. Maine's maple syrup industry, which is the third-largest in the nation, contributes nearly \$30 million directly to the Maine economy each year, according to a 2014 study by UMaine economist Todd Gabe. The industry generates more than 500 full- and part-time jobs and about \$17 million in labor income, the study found.

WABI reports on fraternity's annual fundraiser for sexual assault services

27 Feb 2017

WABI (Channel 5) reported live from the University of Maine Beta Theta Pi fraternity's 24th annual Sleep Out that was held as a fundraiser for Rape Response Services of Bangor. Members of the fraternity stayed outside overnight to raise awareness of sexual assault. The goal this year was to raise \$10,000 for the nonprofit, which provides crisis, support and education services to people in Penobscot and Piscataquis counties, WABI reported. "We lock our doors. We don't let any of our brothers inside. And that's supposed to show our firm stance against sexual assault in Maine and in our community," said Adam Fortier-Brown, the fraternity's public relations chair. "We feel this is an important event, especially for a Greek community to do, and we see a lot of support from our campus with this."

Grad students holding monthly discussions on local fisheries at Old Town library, WVII reports

27 Feb 2017

[WVII](#) (Channel 7) reported University of Maine graduate students have been leading a monthly discussion at the Old Town Public Library on different fish found in the area. "It's just an opportunity for the public to come learn a little bit about what students at UMaine are doing and learn a little bit about some of the life of the fishes in the Penobscot River," Berlynnna Heres, a Ph.D. student at UMaine, told WVII.

BDN interviews Hopkins about Maine's maple season

27 Feb 2017

Kathy Hopkins, a maple syrup expert with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for an article about the start of Maine's maple season. Fluctuating weather conditions in recent years have been keeping maple syrup producers around the state on their toes, according to Hopkins. "These days, with the weather so capricious, the maple season can begin anytime between January and late March," she said. "It's good for producers to be aware. To be ready. To have all of their equipment ready to go, and then you can pounce as soon as the weather is right, no matter what the calendar says. When there's weather like we're having now — cold nights and warm days — then you can start." So far this winter, there already have been some good sap runs in the southern part of the state in the third week in January, she added. "It's early," Hopkins said. "The thing about it is that if you go back in time, back through 100 years of records, you will find early seasons and you will find late seasons. I would guess that it seems like there are more

early seasons now than there used to be.”

UMaine Extension launches website to help speciality food producers, AP reports

27 Feb 2017

The Associated Press reported the University of Maine Cooperative Extension has launched a [website](#) that aims to help food manufacturers looking to work in specialty products. The Resources for Food Entrepreneurs website has information about Recipe to Market, a UMaine Extension educational program designed for people who want to start specialty food businesses, according to the AP. The website also links to state licensing agencies, testing services and a commercially licensed kitchen that can be rented at UMaine, the AP reported. The website was created by UMaine Extension regional small-business educator and Extension professor Louis Bassano; Extension food science specialist and associate professor of food science Beth Calder; and Extension business and economics specialist and professor of economics James McConnon. [The Washington Times](#), [Portland Press Herald](#) and [U.S. News & World Report](#) carried the AP article.

Rural education expert to speak at UMaine

28 Feb 2017

The University of Maine will host Kai Schafft, an associate professor of education at Pennsylvania State University and director of the Center on Rural Education and Communities, for a lecture on Wednesday, March 1. The title of Schafft’s talk is “Rural Bites Back? Understanding Rural Development and Education Policy Contexts in a Post-Obama Era.” The event is co-sponsored by the UMaine College of Education and Human Development and the Cultural Affairs and Distinguished Lecture Series Committee. Schafft will speak in 140 Little Hall at 5 p.m., with a reception to follow.

Explore gems and minerals with UMaine 4-H Science Saturday

28 Feb 2017

Learn about Maine’s geology at the next University of Maine Cooperative Extension 4-H Science Saturday, 10 a.m.–1 p.m. March 25 at the UMaine Bryant Global Sciences Center. Participants will explore and learn to identify rocks and minerals, discover the differences between gems and minerals, and go on a scavenger hunt. The event is open to students in grades six through eight. Maximum number of participants is 15; minimum is six. The \$10 fee includes lunch. Register [online](#) by March 17. For more information or to request a disability accommodation, contact Jessica Brainerd at 581.3877, 800.287.0274 (toll free in Maine); jessica.brainerd@maine.edu.

Gabe’s Waterfront Concerts study cited in BDN article on contract negotiations

28 Feb 2017

A 2014 study by University of Maine economics professor Todd Gabe was cited in a [Bangor Daily News](#) article about contract negotiations between the city and the company that manages Darling’s Waterfront Pavilion. The city has been negotiating what at first was described as a 10-year contract with Waterfront Concerts, according to the article. Gabe’s study found in the first four seasons, Waterfront Concerts contributed an estimated \$47.5 million to the Bangor-area economy, and that contribution has grown each year, the BDN reported.

Dean Humphrey discusses state’s infrastructure on Maine Public’s ‘Maine Calling’

28 Feb 2017

Dana Humphrey, dean of the University of Maine College of Engineering, was a recent guest on Maine Public’s “Maine Calling” radio show. The show focused on the state’s infrastructure, including roads and bridges, schools, airports, water systems and public transportation, and looked at the most critical areas and prospects for improvement.

Mauery work in London exhibit celebrating International Women's Day

01 Mar 2017



[caption id="attachment_53856" align="alignright" width="292"]

Right whale chain 1[/caption] Andy Mauery,

associate professor of art, has work in the exhibition, "T'ART," sponsored by Sweet 'Art at the Bones and Pearl Gallery, London, U.K., March 7–9. Celebrating International Women's Day, T'ART brings together a range of visual artists, whose work explores themes of feminine identity. Each artist tackles the theme in an idiosyncratic way, examining aspects of gender identity, feminist issues or personal perspectives. This year, the theme for IWD is #BeBoldForChange so artists will also be considering how to forge change in today's political and social climate. Works celebrate, critique, challenge, ridicule and reflect notions of femininity in our society and internationally. This year, Sweet 'Art will also be producing a T'ART ZINE, a participatory artwork, with artists and visitors to the exhibition. Self-publications have a long history of political resistance, with movements such as Riot Grrrl, with women producing zines with radical and feminist content. The T'ART ZINE will allow audiences to express their responses to the artwork on show, as well as contributing their own ideas to the themes of the exhibition and International Women's Day and will grow organically throughout the exhibition.

UMaine Hutchinson Center announces Mindful Leadership workshop

01 Mar 2017

A two-day workshop focused on bringing mindfulness to daily work life will be offered this spring at the University of Maine Hutchinson Center in Belfast. Mindful Leadership workshop attendees can practice mindfulness meditation, learn competencies of mindful leadership and discuss strategies for being calmer, more clear-minded and emotionally aware in the workplace. Mary Doyle, M.A., R.N., will lead the workshop that will be held from 8:30 a.m. to 3:30 p.m. April 28 and May 12. Doyle is qualified as a Mindfulness-Based Stress Reduction teacher by the Center for Mindfulness at University of California, San Diego. The cost of the two-day workshop is \$395 with limited scholarships available. A light breakfast, refreshments, all materials and lunch are included. A UMaine Certificate in Mindful Leadership will be awarded upon completion. Contact hours and CEU's are available. Registration is [online](#). For more information, or to request an accommodation, contact Kim Raymond at 338.8034, kim.raymond@maine.edu.

Caladh Nua finds a port at Collins Center for the Arts

01 Mar 2017

A vibrant, talented band with deep roots in Ireland will perform on St. Patrick's Day at the Collins Center for the Arts at the University of Maine. Caladh Nua — which in Gaelic means a new port or anchorage — will take the stage at 8 p.m. Friday, March 17. The five versatile singers play banjo, fiddle, guitar, bodhran, tin whistle and button accordion. And with a long list of TV and radio appearances and three highly acclaimed albums, the band is as accomplished off-stage as it is on. For centuries, Ireland's musicians have been inspired and nurtured by the sounds and swells of the windblown island. Caladh Nua embraces that heritage and incorporates its own innovative flair. Danny Matheson of Celtic Music Radio called the band's sound "Irish music at its best." Dirigo Pines is the event sponsor. For more information and tickets, visit the CCA [website](#). Tickets are \$21 for balcony seats, \$26 for orchestra seats and \$7 for K–12 students. Orders that include K–12 tickets must be purchased in person or by calling 581.1755 and picked up at the box office the night of the performance. Anyone requesting an accommodation also may call.

Republican Journal advances Hutchinson Center's Mindful Leadership workshop

01 Mar 2017

[The Republican Journal](#) reported the University of Maine Hutchinson Center in Belfast will offer a two-day workshop focused on bringing mindfulness to daily work life from 8:30 a.m. to 3:30 p.m. April 28 and May 12. Mindful Leadership workshop attendees can practice mindfulness meditation, learn competencies of mindful leadership and discuss strategies for being calmer, more clear-minded and emotionally aware in the workplace. The workshop will be facilitated by Mary Doyle, M.A., R.N., who is qualified as a Mindfulness-Based Stress Reduction teacher by the Center for Mindfulness at University of California, San Diego. The cost of the two-day workshop is \$395 with limited scholarships available. A UMaine Certificate in Mindful Leadership will be

awarded upon completion, and contact hours and CEU's are available.

Anthropocene mineralogy and the dawn of a new geological epoch

01 Mar 2017

There are roughly 5,200 officially recognized minerals on planet Earth according to the International Mineralogical Association (IMA). Two of which — Edgrewite and hydroxyedgrewite — are named after University of Maine mineralogist and petrologist Edward Grew. Grew, a research professor in the School of Earth and Climate Sciences, has studied and helped discover new minerals from five continents, from Antarctica to Australia to Europe, particularly those containing of the elements Boron and Beryllium. Most recently, he has helped to identify and catalog, for the first time, a group of 208 mineral species that formed either principally or exclusively through human activities. The research, a collaboration led by Robert Hazen of the Carnegie Institution for Science and including Marcus Origlieri and Robert Downs of the University of Arizona, suggests that humans have done more to increase the diversity of minerals on Earth than any other agent since the Great Oxidation Event impacted our planet over 2.2 billion years ago. As defined by the IMA, a mineral is a naturally occurring inorganic crystalline substance formed purely through geological processes. “In other words, they are completely naturally made materials,” says Grew. However, lying just outside of this definition is a rapidly growing group of synthetic mineral-like substances as well as minerals that owe their existence to human activity, many of which are not formally recognized as minerals by the IMA. “You’d think there would be a hard and fast distinction between these categories of minerals, those natural and those human-made, but there isn’t,” says Grew. “And as a result, many exist in this sort of grey area of human-mediated minerals.” Humans did not directly create these human-mediated minerals, but rather helped shape the environments and conditions under which they were formed. “When you open a mine you impact the environment, you disturb the geology, the chemistry, you change the flowage of water and the exposure to air, and you end up making minerals not intentionally, but inadvertently,” says Grew. Many of the 208 minerals listed in the new paper published by *American Mineralogist*, the flagship journal of the Mineralogical Society of America, are attributed to human activities related to mining. For example, the weathering of slag or the exposures of mine tunnel walls. Others are attributed to industrial environments, such as those discovered on the walls of smelters or geothermal pipe systems. A few were even found in association with archaeological materials. Three were discovered on lead artifacts recovered from a Late-Hellenistic shipwreck in Tunisia. “One of the new questions we are facing is how we deal with all these new minerals and mineral like substances,” says Grew. Not only are humans creating new environments and opportunity for new minerals to form, we are extracting, redistributing and aggregating natural minerals from across the globe to places far from where they formed naturally at a rate and magnitude rivaling the most powerful geological processes. “Consider the idea of finding a tourmaline crystal in western Maine and bringing it back to your house,” says Grew. “You’re moving a mineral from a place it was naturally formed to a place it would have never existed.” Even the smallest mineral collections juxtapose species that would never occur together naturally in a single location. At the global scale, humans have been doing this for thousands of years. The research touches at the philosophical understandings of what defines a mineral and warrants a more comprehensive understanding of what the authors refer to as “Anthropocene mineralogy”. The deep antiquity of our planet — a history spanning 4.57 billion years — is divided into a number of geological time intervals. Each interval is broadly defined by the planetary conditions of the time and their succession to the present is evidenced by marked changes in climate and by the deposition of different geological layers, or strata, that underlie the landscapes we live in today. Many intervals are bookended by global geological, climate or paleontological events, like glaciations, cosmic collisions or mass extinctions. Currently we reside in the Holocene Epoch, a period of time that began about 11,700 years ago following the end of the last glacial period, however there is a growing interest in the formal recognition of an Anthropocene Epoch — a new geologic interval defined by human activity as the dominant influence on the environment, climate and geology of Earth. This research is helping define the mineralogical criteria of a possible Anthropocene Epoch and to better understand how the signature of our tenure on Earth will be preserved in the geological record for epochs to come. “It is very clear that the human-mediated minerals have added a lot to the diversity of minerals as a whole,” says Grew. “And there is a certain irony in this because in terms of biological diversity, human impact is destroying species, however in the realm of mineralogy, were creating new species and it is increasing diversity.” Both of which are occurring at an astounding rate. The full release is available [online](#). Contact: Walter Beckwith, 207.581.3729

Maine Grass Farmers Network conference March 18

02 Mar 2017

The Maine Grass Farmers Network (MGFN) annual grazing conference is scheduled for 8:30 a.m.–3:30 p.m. March 18 at the Kennebec Valley Community College Alford Campus in Hinckley. The morning keynote address will be given by Utah State University faculty emeritus Fred Provenza, a wildlife biologist and grazing behavior specialist. Veterinarian and author Hue Karreman from the University of Pennsylvania, who specializes in dairy cows, will be presenting the afternoon keynote address with his partner Suzanne Nelson, owner-operator of Reverence Farms, Saxapahaw, North Carolina. Cost is \$60 for MGFN and Maine Beef Producers Association (MBPA) members, \$75 each/\$25 for additional nonmembers. Lunch is included. Registration and more information is [online](#). For more information or to request a disability accommodation, call University of Maine Cooperative Extension in Waldo County at 342.5971 or 800.287.1426 (in Maine). MGFN is supported by UMaine Extension, the Maine Organic Farmers and Gardeners Association (MOFGA), the Natural Resources Conservation Service, and the Maine Department of Agriculture, Conservation and Forestry.

University Singers embark on annual spring tour

02 Mar 2017

During spring break, the University Singers will embark on a four-stop tour, March 13–17, before returning to the University of Maine for two concerts at Minsky Recital Hall March 25–26. The annual spring tour will include free concerts at the First Baptist Church of Bar Harbor, 7 p.m. Monday, March 13; Gray-New Gloucester High School in Gray, 7 p.m. Tuesday, March 14; Prospect Mountain High School in Alton, New Hampshire, 7 p.m. Thursday, March 16; and Messalonskee High School in Oakland, 7:30 p.m. Friday, March 17. University Singers is the premier vocal ensemble in the School of Performing Arts at the University of Maine. Selected by audition, the 60-member group is comprised of both music majors and students studying other disciplines across campus. The group tours throughout New England every spring and to Europe every four years. The ensemble will perform at Minsky Recital Hall at 7:30 p.m. Saturday, March 25 and 2 p.m. Sunday, March 26. Tickets for the Minsky performances are \$9, or free with a student MaineCard, and can be purchased by calling the box office, 581.1755.

Maine Edge advances BSO ‘Star Wars’ concert at CCA

02 Mar 2017

[The Maine Edge](#) spoke with Lucas Richman, music director and conductor of the Bangor Symphony Orchestra, ahead of the group's pops concert, "The Music of Star Wars," at the Collins Center for the Arts. The orchestra will perform two shows, 7:30 p.m. March 4 and 3 p.m. March 5. "We are excited to be presenting music from all seven of the films so far available in the 'Star Wars' saga for which John Williams wrote the score," Richman said. [WVII](#) (Channel 7) also interviewed Richman ahead of the performances.

WVII reports on Gill's search for prehistoric plants, animals preserved in tar pits

02 Mar 2017

University of Maine paleoecologist Jacquelyn Gill and her students are working with the University of California to uncover fossils of prehistoric plants and animals preserved in tar pits from the ice age, [WVII](#) (Channel 7) reported. "We have a lot of these ice age survivors, things like squirrels and rabbits and coyotes. And those persisted through those climate changes at the end of the last ice age," Gill told WVII. Gill and her students are hoping to gain a better understanding of what humans and animals today may need to survive, as the climate changes over time, according to the report.

BDN previews Maine Science Festival featuring UMaine participants

02 Mar 2017

The [Bangor Daily News](#) advanced the third Maine Science Festival set for March 16–19 at the Cross Insurance Center in Bangor. Linda Silka, a senior fellow at the University of Maine's Senator George J. Mitchell Center for Sustainability Solutions, has been a board member and volunteer for the festival since it began. "It's so important to bring people into the fray and get the average person involved in research and learning and contributing," Silka said. "The festival really shines a light on the incredible scientific work being done here in Maine. If we want to keep our youth in Maine, we need them to know about all the opportunities that are here and get them involved." This year's program will feature presentations from six scientists, including Nadir Yildirim, who earned his Ph.D. from UMaine and will present his work using nanocomposites from forest resources, the BDN reported. Other events will show the connection between the humanities and science, such as an art project Saturday afternoon at the University of Maine Museum of Art, in which people can help construct a large-scale sculpture of the human cranium, the article states. [The Maine Edge](#) and WABI (Channel 5) interviewed Kate Dickerson, director of the Maine Science Festival, and [WLBZ](#) (Channel 2) also previewed the event.

International media report on the discovery of 208 new anthropogenic minerals

02 Mar 2017

News outlets worldwide reported on research that identifies a group of new minerals that formed either principally or exclusively through human activities. Edward Grew, a research professor in the School of Earth and Climate Sciences collaborated on the research team led by Robert Hazen of the Carnegie Institution for Science. The results underscore humans' impact on Earth and bolster the argument for a formal recognition of the Anthropocene Epoch. The paper, published by the journal *American Mineralogist*, catalogs 208 new minerals attributed to human activity, many of which were created inadvertently through mining. "Mining disturbs the environment under or at the Earth's surface and that disturbance makes for environments where new minerals can form," Grew told [Cosmos Magazine](#). The researchers suggest that the rapid increase in mineral diversity attributed to human activity rivals the greatest geological processes. "The minerals will mark our age as different from all that came before," Grew told [Business Insider](#). [The Washington Post](#), [BBC News](#), [Reuters](#), [Scientific American](#), [The Guardian](#) and [New Scientist](#) are a few of the outlets that reported on the research.

Fellowship will launch Passamaquoddy community engagement project

02 Mar 2017

Micah Pawling, an assistant professor of history and Native American studies at the University of Maine, is one of eight humanities scholars nationwide to be awarded a 2017 Public Engagement Fellowship from the Whiting Foundation. The eight were selected from more than 80 scholars nominated from over 50 institutions. The fellowship supports scholars as they engage the public in humanities-focused projects that encourage community building and cultural literacy. Pawling's initiative, "The Sabattis Tomah Project: Making History in the Community," focuses on the significance of Passamaquoddy cultural leader Sabattis Tomah of Peter Dana Point in Indian Township, an isolated community in downeast Maine. Tomah (1873–1954) was an important keeper of ceremonial songs, plant medicine, traditional stories and intimate knowledge of Passamaquoddy homeland. Weekly conversations took place in the early 1950s between Tomah and ethnographer Nicholas N. Smith. As part of Pawling's community engagement project beginning in spring 2018, Smith's ethnographic field journals, transcribed stories and original photographs will be "brought home" to the Passamaquoddy community for the first time in over half a century. Pawling and Passamaquoddy historian Donald Soctomah will lead a series of intergenerational workshops focused on helping young members of the Passamaquoddy tribe interview their elders to preserve traditions and tribal stories, including memories of Tomah. Soctomah, who is trained in forestry and a recipient of an honorary degree from the University of Maine at Machias, is an accomplished independent scholar who has authored numerous books on Passamaquoddy history and two children's books. He works to protect Native culture and lands through resource management, policymaking, teaching, and the promotion and dissemination of Passamaquoddy language and history. In 2015, Soctomah received the Maine Humanities Council's Constance H. Carlson Prize in public humanities, the highest humanities honor in Maine. He also has received the Lifetime Cultural Achievement Award from the Association of Tribal Archives, Libraries, and Museums. Also as part of the project, Pawling will work with the tribe to finish transcribing and annotating Smith's notes for an exhibit in Indian Township. Smith, a UMaine alumnus noted for his fieldwork in Wabanaki communities and his numerous publications, received an honorary degree from UMaine in 2007. Pawling, who earned a doctorate from UMaine in 2010, specializes in the ethnohistory of Native North America, Native peoples of eastern Canada and northeastern United States, American history, Canadian history and environmental history. The selection process for the Public Engagement Fellowship is competitive. A limited number of colleges and universities are invited by the Whiting Foundation to nominate pre-tenure or recently tenured professors in the humanities for the award. [Other projects](#) being pursued by other 2017 fellows include a documentary telling the story of one of the earliest group of Muslims to integrate into the U.S., film and audio exhibits amplifying the voices of communities along Louisiana's coastal zone and a work of storytelling theater about the history of Latino men in the Vietnam War performed by the veterans, describing how the war shaped their views on immigration, race, patriotism and global politics. Contact: Margaret Nagle, 207.581.3745

Nina Mahaleris: A global view

02 Mar 2017

For second-year University of Maine student Nina Mahaleris from Augusta, Maine, UMaine was close to home and provided generous financial aid. Best of all, after the first semester, she also found all the learning and engagement opportunities she desired in the UMaine student experience. "It definitely surprised me," says Mahaleris, a double major in journalism and international affairs, with a concentration in French. "I thought going to UMaine would be like it was in high school, but it wasn't like that at all. I came here and all my professors loved what they were teaching, and they were very passionate and wanted me to learn. On top of that, I've been given the opportunities and tools to further my studies and start a career." Stefano Tijerina, an adjunct assistant professor in political science and a UMaine alumnus, has inspired Mahaleris. Mahaleris credits him with pushing her to think more critically about global issues and their local impact. In her first year at UMaine, Tijerina gave Mahaleris the opportunity to contribute to his monthly Bangor Daily News blog, "The Glocal," where Mahaleris has written about the role of media in global politics and religious extremism. Another essay Mahaleris wrote was recently awarded the 2017 Dorothy Clarke Wilson Peace Writing Prize. In her winning essay, "Quasi-American: The Segregation of U.S. Citizens by the Hyphen," Mahaleris examines the issue of racial profiling. Social justice issues are important to Mahaleris. During her first semester at UMaine, she presented a research project on human trafficking in Maine for a Women's, Gender, and Sexuality Studies course. With her love of writing and interest in global and social justice issues, Mahaleris hopes to go into a career in international journalism. Mahaleris will spend this summer in Canada as one of three UMaine College of Liberal Arts and Sciences students accepted into the University of Michigan-Dearborn Ottawa Political Internship, gaining hands-on experience working for a member of Parliament. Mahaleris credits UMaine's academic atmosphere with helping her pursue her many interests while challenging her perspectives. "The students here are very curious. In my journalism courses, everyone wants to learn. And in my political science courses, everyone has very different opinions, which is good. You have an environment that's very diverse and very opinionated," she says. In addition to her courses in communication, journalism and political science, Mahaleris has been involved with the UMaine chapter of Amnesty International. She says the opportunity to make lasting friendships with people from diverse backgrounds has been one of the most important aspects of her time at UMaine. Asked to describe UMaine in one word, Mahaleris didn't hesitate: "Engaging." Contact: Alan Berry, 207.581.1955

Gulf of Maine rockweed research the springboard for UMaine alumna's international recognition as a Pew Marine Fellow

03 Mar 2017

Distinguished University of Maine alumna Ester Serrão is one of 11 U.S. and international marine scientists named by the Pew Charitable Trusts as 2017 Pew Marine Fellows to "seek solutions to the problems affecting the world's oceans." As a marine fellow, Serrão will identify hot spots of genetic diversity in populations of kelp and other large brown algae that form unique habitats known as marine forests, with a goal of protecting these vital natural resources, according to the [Pew Charitable Trusts announcement](#) of the prestigious award for mid-career scientists and conservationists. Serrão did her Ph.D. research on rockweed communities in the Gulf of Maine and in the Baltic Sea. Her studies explained how marine organisms that attach to the shore in Maine's intertidal zone are able to reproduce, despite living in a wave-swept habitat. Before her work, such habitats had been thought to have such high water motion that eggs and sperm would be diluted too quickly for much fertilization to occur. However, Serrão showed that rockweed adults can sense water motion, and they have evolved to release their gametes only under calmer conditions. Such days are often rare on the Maine shore, but fertilization success reaches 100 percent of all eggs at such times. "I am so proud of Ester's many achievements," says Susan Brawley, UMaine professor of plant biology and Serrão's thesis adviser. "She is widely recognized as one of the best marine scientists in Europe and has a large, dynamic research group studying marine biodiversity and biogeography." Serrão received a Ph.D. in biological sciences from UMaine in 1996. She is now an associate professor at the University of Algarve in Portugal. Her research as a Pew Marine Fellow will focus on species of cold-temperate marine forests across the globe, including large brown algae and seagrasses. Serrão will describe locations of distinct genetic populations that have implications for planning marine-protected areas and as donor sites for restoration. She will compare genetic hotspots with past range limits and predict how future climate trends might endanger such refugia. Serrão also will promote public participation in monitoring the target species and in contributing to a public database on the project. Contact: Margaret Nagle, 207.581.3745

DMC divers have 'time of their life' under the ice

03 Mar 2017

A hole in the ice is more than a mark of traditional Maine ice fishermen. It's also a passageway to a beautiful underwater world. Divers from the University of Maine Darling Marine Center, including Ashley Rossin and Sean O'Neill, recently earned their ice diving certification to broaden their skills as marine science researchers. Rossin is a graduate student in the UMaine School of Marine Sciences. She examines cold-water corals and has experience diving in Alaska. She says this certification will help her conduct research in other cold-water locales. "I want to dive in more cold-water environments — both poles, Norway, more of Alaska, southern Australia and New Zealand, just to name a few," she says. "Basically, everywhere there are cold-water corals that still need to be discovered, I'll be there." O'Neill, a research associate at the DMC, has done underwater exploration in the polar regions. He also plans to utilize the ice diving certification in future endeavors. "I was also just curious what it would be like to dive under the ice," he says. "It was definitely a unique experience." Along with Rossin and O'Neill, the group included students Teiga Martin, Kathy Miller and Nils Haëntjens, and professor Emmanuel Boss with the UMaine School of Marine Sciences. Divers earned the specialty certification through the Professional Association of Diving Instructors (PADI). To qualify for the training, divers had to possess PADI's Advanced Open Water certification. The two-day training included four hours of classroom education and three dives under the ice at the pond at the Mount Vernon Fire Station. Dave Sinclair and Matt Sinclair of Port Clyde were instructors. Ice divers need to guard against equipment freezing, as well as making sure tether lines are securely anchored and trusting others to handle lines and double-check equipment. "To put two people in the water, it takes about five," says Dave Sinclair. Both O'Neill and Rossin say the experience was incredible. "I found myself in awe looking up at the air bubbles coalescing underneath the ice," says O'Neill. "They shimmered like mercury as they danced across the underside of the ice. Truly amazing. It reminded me of looking up at the sky covered by the Aurora Borealis." Rossin says despite being tethered, she felt a sense of freedom. "The world goes silent except for your breath, and you can't care about what's happening on the surface," she says. "There's no way to check your email or texts. All you have to do is breathe and have the time of your life."

Registration open for 10th annual Healthy High road race

03 Mar 2017

The 10th annual Healthy High 5k/10k and 1-mile run/walk will be held at the University of Maine at 5 p.m. Thursday, April 20. The race, which begins at UMaine's New Balance Student Recreation Center, promotes health and wellness for members of the university and surrounding community. Early registration fees for the 5k are \$10 for students, \$20 for non-students. Early fees for the 10k are \$15 for students, \$25 for non-students. Registration is

available [online](#) or in the Student Wellness Resource Center, Room 235 in the Memorial Union, by noon April 19. Race-day registration fees for both the 5k and 10k races are \$20 for students, \$30 for non-students. The 1-mile run/walk is free and will begin at 5:15 p.m. Proceeds benefit the UMaine Bodwell Center for Service and Volunteerism and the Black Bear Exchange food pantry and clothing exchange. In addition, donations of used footwear will be collected for Soles4Souls. Prizes will be awarded to the top male and female runners in each division for both the 5k and 10k. Volunteer opportunities are available throughout race day. Volunteers can sign up [online](#) or email Mamie Clarke at mamie.clarke@umit.maine.edu for more information. For more about the race or to request a disability accommodation, visit the event [website](#), call the Student Wellness Resource Center at 581.1423 or email Lauri Sidelko at sidelko@maine.edu. The race is presented by University Credit Union.

VillageSoup advances UMaine Extension tractor safety course in Union

03 Mar 2017

[VillageSoup](#) reported the University of Maine Cooperative Extension, Knox-Lincoln Farm Bureau, Union Farm Equipment and Farm Family Insurance will offer a tractor safety course in Union April 5–26. The course will be held at Union Farm Equipment from 6 to 8 p.m. Wednesdays, according to the article. A written exam and tractor-driving test will be held at 9 a.m. Saturday, May 6. The cost for course materials is \$25 (\$15 for students under 18); student financial assistance is available based on need. Registration is [online](#).

Brewer speaks with WVII about fake news

03 Mar 2017

Mark Brewer, a political science professor at the University of Maine, spoke with [WVII](#) (Channel 7) for a report about fake news. “I think what’s really going on here, more often than not, is an attempt to try and discredit opposing points of view in the attempt to accomplish what you want to get accomplished,” Brewer said of the practice.

UMaine study cited in Press Herald editorial on Maine’s state parks

03 Mar 2017

A 2005 study conducted by researchers with the University of Maine’s Margaret Chase Smith Policy Center was cited in the [Portland Press Herald](#) editorial, “Don’t mess with success at Maine’s state parks.” The editorial states that the [study](#) found “a staff emphasis on providing high-quality visitor experiences” contributes to “consistently high visitor satisfaction ratings.”

Pulse Morning Show interviews Abedi about wireless leak detection system on ISS

03 Mar 2017

Ali Abedi, a professor of electrical and computer engineering at the University of Maine, was a recent guest on the [Pulse Morning Show](#) (WZON AM 620). Abedi, director of the Wireless Sensing Laboratory (WiSe-Net Lab) on campus, spoke about the wireless leak detection system he developed with other UMaine researchers and students. The system is currently being used on the International Space Station and is sending data back to UMaine for analysis.

Black Bear Food Guild CSA selling farm shares

06 Mar 2017

Black Bear Food Guild, the University of Maine's community-supported agriculture (CSA) share program organized and managed by sustainable agriculture students, is offering full, half and quarter shares. Full shares, \$500, are recommended for four people. Half shares, \$325, are recommended for two people and quarter shares, \$175, for one person. The 2017 Food Guild season will begin in mid-June and run through early October, with shareholders picking up their produce weekly at Rogers Farm. Since 1994, students have farmed 2 acres of MOFGA-certified organic vegetables. The student farmers this year are Kameron Haines, Parker Anderson, Madison Lawler and Ian MacLellan. For more information or to purchase a share, contact the Food Guild, blackbearcsa@gmail.com.

Chen stock assessment model focus of Fishermen’s Voice story

06 Mar 2017

The March issue of Fishermen’s Voice includes a story on a new shrimp stock assessment model developed by professor Yong Chen and postdoctoral research associate Jie Cao. This spring, the Atlantic States Marine Fisheries Commission will adopt the stock assessment model for shrimp that takes into account the complex life history, environmental conditions and the fisheries seasonal nature. This is the second model adopted by ASMFC. Chen’s lobster model has been used since 2005. The Chen lab collaborates with the Maine Department of Marine Resources to improve management of lobster, urchins and scallops.

Wahle sheds light on 2016 record lobster haul

06 Mar 2017

Rick Wahle, research professor at the University of Maine Darling Marine Center, was an expert source for several stories about the record value of the 2016 lobster haul. Lobsters totaling nearly 131 million pounds that were caught last year had a total worth of \$533 million at the docks, which exceeded the 2015 record by more than \$30 million. Last year marked the seventh such record in a row. In a [WLBZ](#) (Channel 2) story, Wahle said the Gulf of Maine is in a sweet temperature spot for lobsters, but he said continued ocean warming could impact future landings. “Our indicators are we may be falling off this bubble in Eastern Maine in the next few years,” said Wahle, who added many lobster larvae are hatching but fewer are making it to the nursery as young lobsters. Wahle’s lab at the Darling Marine Center in Walpole is the hub for the U.S.-Canadian monitoring program — the American Lobster Settlement Index. Since

1989, this diver-based survey, now carried out by a partnership of government and academic institutions, has annually censused newly settled postlarval lobsters repopulating coastal nurseries. Wahle and collaborators are developing tools to predict population trends by understanding larval transport, settlement and post-settlement processes. [The Washington Post](#) was one of many news organizations that carried Patrick Whittle's AP story. Wahle is co-chairing a June conference in Portland, Maine focused on the impact of the changing ocean environment and the global economy on the biology and business of lobsters. Biologists, oceanographers, industry members and fishery managers from more than a dozen countries are expected to attend the [11th International Conference & Workshop on Lobster Biology and Management](#) June 4–9 at Holiday Inn by the Bay.

Eos features Bohleber's Kilimanjaro findings

06 Mar 2017

Pascal Bohleber's findings about ice thickness on Mount Kilimanjaro are featured in [Eos](#), a publication of the American Geophysical Union. Bohleber is an adjunct research assistant professor at the Climate Change Institute. In 2015, he led a team that — for the first time — took ground-penetrating radar to Kilimanjaro's 6,000-meter-high summit. "It's like an X-ray of the glacier," Bohleber said. Using ground-penetrating radar, "you basically see straight down into the glacier." After a six-day climb and three days of measurements, the team — which also included CCI doctoral student Mario Potocki — learned the ice thickness ranged from roughly 6 to 54 meters. On average, the ice field had fallen in height by 6 meters over 15 years. Glaciers at lower elevations on Kilimanjaro have decreased even more substantially in height, Bohleber said. The team calculated the total ice volume of the Northern Ice Field to be about 12 million cubic meters — enough to fill Manhattan's Central Park to a depth of 4 meters, according to the article. The group also demonstrated the ice layering within the Northern Ice Field is regular and horizontal, which means ice samples from the field's exposed walls are representative of the interior. Bohleber's team will trace the evolution of the Northern Ice Field in three dimensions, then remeasure the ice the summit in a few years to create a new three-dimensional map to track the rate of ice loss in detail.

Camire source for Ars Technica's story on Subway chicken test

06 Mar 2017

Mary Ellen Camire, professor of food science and human nutrition, was an expert source in an [Ars Technica](#) story about a recent [CBC](#) piece that indicated the chicken in Subway sandwiches could be about 50 percent chicken. "The CBC's story would not dissuade me from getting a chicken sandwich at Subway if I wanted one," said Camire, who added she was skeptical of CBC's choice to use a DNA test from a lab that does not specialize in food science; it used a wildlife research center at Trent University. DNA tests are useful to learn if fish at a store is the type of fish the store says it is, says Camire. But food scientists typically don't use DNA tests to look for proportions of content, she said.

University Singers in Ellsworth American article about Bach celebration

06 Mar 2017

The University Singers were included in an [Ellsworth American](#) story about a concert celebrating J.S. Bach's 332nd birthday at 7:30 p.m. Saturday, March 18, at St. Francis by the Sea Episcopal Church in Blue Hill. Organist Ray Cornils will be joined by the Blue Hill Bach chorus and members of the University of Maine University Singers in selections from Cantata No. 140, "Wachet auf, ruft uns die Stimme"; the Toccata and Fugue in D minor, BWV 565; selections from the "Notebooks of Anna Magdalena Bach" and more.

Cooperative Extension part of Ellsworth American piece on ending homelessness

06 Mar 2017

University of Maine Cooperative Extension was included in an [Ellsworth American](#) story about a group that provides shelter and teaches skills to combat homelessness. The Families First Community Center in Ellsworth is a transitional house for families to live in while they take life skills classes and job training courses. University of Maine Cooperative Extension has offered classroom space for the project, in which managers assist residents with creating a life plan. In the 12–18 months residents live at the home, they work on searching for jobs, preparing for interviews and writing resumes as well as learning about topics ranging from conflict resolution to healthy cooking.

WABI highlights artwork to be exhibited at UMMA

06 Mar 2017

Pieces of art by students — from preschoolers to high school seniors from about 40 area schools — now on exhibit at the Bangor Mall will be displayed at the University of Maine Museum of Art in Bangor in April. "It's definitely an opportunity that many students would not have to have their artwork publicly viewed, especially if they're in a smaller town where there aren't as many spaces to have their artwork viewed. So it's really cool to have this opportunity," says Sue Shapiro, an art teacher in RSU 87, told WABI (Channel 5).

Penobscot Marine Museum photography exhibits at the Hutchinson Center

07 Mar 2017

Penobscot Marine Museum's historic photography exhibits "Acadia National Park: A Postcard View" and "The History of Postcards" will be at the University of Maine Hutchinson Center H. Allen Fernald Gallery March 13–May 22. The free public exhibit in the H. Allen and Sally Fernald Art Gallery, open 8 a.m.–7 p.m. weekdays. "Acadia National Park: A Postcard View" features photos from the early days of Acadia National Park taken by the Eastern Illustrating & Publishing Co. The photos are accompanied by historical captions by Liz Fitzsimmons. This exhibit was created for the 100th anniversary of Acadia National Park. "The History of Postcards" was the theme of the Penobscot Marine Museum's summer 2016 exhibit that celebrated the 100th anniversary of Maine Postcard Day. The exhibit includes photos with captions that depict the role that postcards played in early social media. For more information or to request an accommodation, contact Nancy Bergerson, 207.338.8049. Additional information about the Hutchinson Center is [online](#).

UMaine Hutchinson Center to offer restorative practices workshops for educators

07 Mar 2017

This spring, the University of Maine Hutchinson Center will offer a series of five full-day workshops on restorative school practices for K–12 educators. Members of the Restorative Practices Collaborative of Maine will facilitate the workshops that will be held in Saco, Augusta and Belfast. The first workshop on March 30, "Introduction to Restorative Practices," will introduce participants to the restorative approach and restorative practices that have proven effective and sustainable. "Using Circles in Schools — Tier 1" will be held March 31. Both workshops will be held at the People's Choice Credit Union in Saco. The restorative approach emphasizes the importance of creating a positive, healthy school climate based on empathy, trust and respect. Research shows that students who are connected to school, peers and teachers in a safe, welcoming environment show academic and social improvement. Restorative practices are currently used in several Maine schools, juvenile correction facilities and youth-serving organizations. Additional workshops and locations in the series:

- "Introduction to Restorative Practices" (April 6, Augusta)
- "Using Circles in Schools — Tier 1 Proactive Circles" (April 7, Augusta)
- "Using Circles in Schools — Tier 2 Responsive Circles" (April 27, Augusta)
- "Restorative Discipline in Schools for Administrators" (May 4, Belfast and Saco)

All workshops are held 8:30 a.m.–3:30 p.m. Cost is \$175 per person per workshop, which includes materials, lunch and certificate of contact hours. For more information, contact Kim Wilson-Raymond, kim.raymond@maine.edu. Register [online](#).

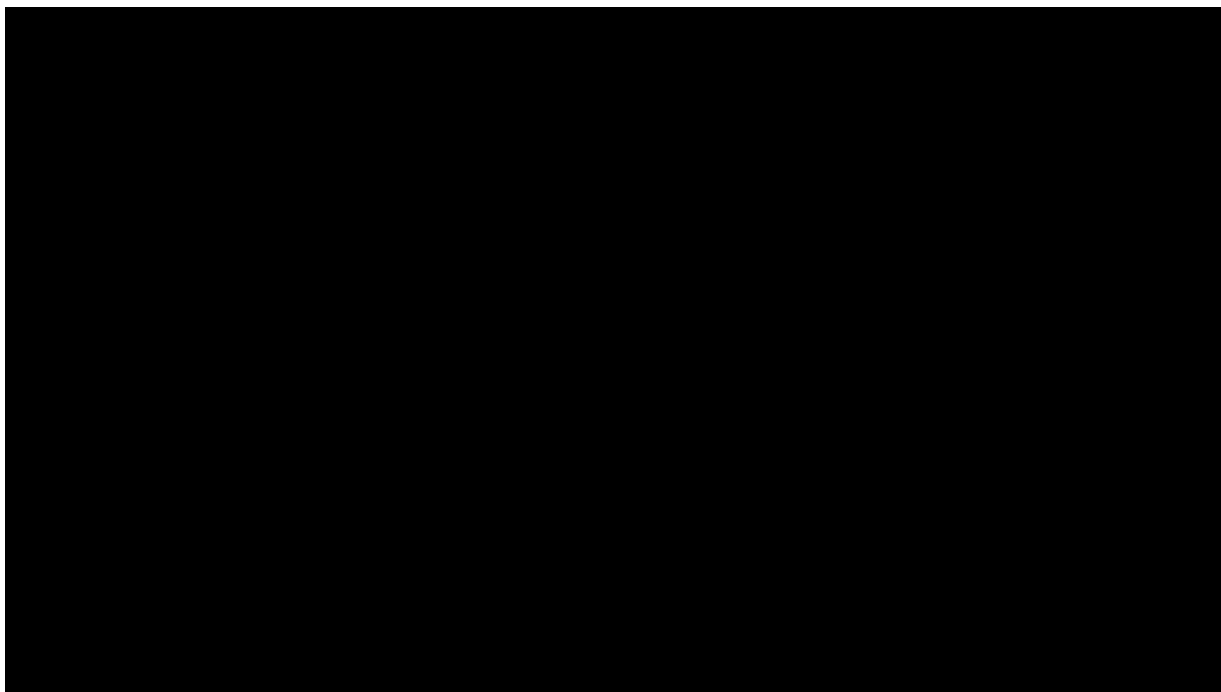
Honors College students raising funds for Hungry 100K on May 3

07 Mar 2017

Donations are being sought to purchase food stuffs for Hungry 100K: Maine Day Meal Pack-out at the University of Maine May 3. In meal pack-out events, campus and community volunteers pack meals that are then given to food banks and community organizations that feed the hungry. The goal of the May 3 event, organized by UMaine's Honors College Student Advisory Board, is to pack 100,000 meals to feed Mainers. The student organizers need to raise \$25,000 — 25 cents per meal — to cover the costs of the food. Organizers also hope to set a record for the most meals packed in a single UMaine event and the most meals packed in a single day in Maine. By completing the Hungry 100K, UMaine is expected to surpass Harvard University and set the record for the most meals packed by a university in New England. Donations are being accepted [online](#). To volunteer or for more information, email noelle.leon@maine.edu.

We are UMaine

07 Mar 2017



UMaine is among the most comprehensive higher education institutions in the Northeast and attracts students from Maine and 49 other states, and 63 countries. It currently enrolls 11,219 total undergraduate and graduate students who can directly participate in groundbreaking research working with world-class scholars.

WABI talks with Langston at aquaculture summit

07 Mar 2017

Anne Langston, associate director of the Aquaculture Research Institute at the University of Maine spoke with WABI (Channel 5) at the Maine Aquaculture R&D and Education Summit. About 170 people attended the third such summit at the University of Maine Hutchinson Center in Belfast. "There's a lot of good infrastructure in Maine for aquaculture research and aquaculture development," said Langston. "But it's also quite spread apart. So one of the goals is to

try to bring it together and get people to talk to each other. So a once-a-year networking event like this has become extremely popular.”

BDN interviews Wheeler, Bilodeau about biofuels

07 Mar 2017

Clay Wheeler and Michael Bilodeau were interviewed for a [Bangor Daily News](#) piece about hurdles that biofuels must clear in order to help revitalize communities hurt by the decline of paper industries. “The economics are tough because the capital investment — at least for these first-of-a-kind plants — is very high,” said Wheeler, who researches biofuels in the Department of Chemical and Biological Engineering at the University of Maine. “We’re taking one of the finest materials that nature has engineered — that has uses as building materials and paper and other things using nanocellulose fibers — and we’re converting it to something that we actually don’t value very much, which is transportation fuels. We have made ourselves available to help do due diligence on some of these projects.” Bilodeau, director of the UMaine Process Development Center that offers research and development services to Forest Products and allied companies, said ethanol production from wood pulp dates back to 1905.

Learn the art of nature in June at DMC

07 Mar 2017

David Wheeler will teach a natural science illustration workshop June 12–16 at the University of Maine Darling Marine Center in Walpole. Wheeler, a teacher and artist for more than 25 years, will introduce basic shapes found in nature and help participants sharpen their observation skills. “We draw creative people from the Midcoast area and from as far away as North Dakota and Hawaii,” says Linda Healy, event coordinator at the DMC. “Two of our students have attended every summer so far.” Workshop participants can collect — ‘sketch and release’ — specimens from tidal pools and meet biologists who conduct research in the waterfront laboratories. Healy says prior workshop students described the course as five days of open studio time with a knowledgeable instructor who helps each artist gain skills and confidence at his or her own pace. Detailed and accurately scaled images are the intended results. Wheeler’s exhibited works include life-size dinosaur reproductions at the American Museum of Natural History in New York and the Osaka Museum of Natural History in Japan. April 15 is the registration deadline; cost is \$400. Room and board are available for additional fees. More information, including registration, is online.

Hop aboard fan bus for America East championship game

07 Mar 2017

Women’s basketball fans are invited to ride the University of Maine fan bus to New York for the America East title contest at 4:30 p.m. Friday, March 10 between the Black Bears and the Albany Great Danes. The bus will depart Memorial Gym at 10 a.m. Thursday, March 9. Stops along the route can be arranged. Fans will stay at the team hotel Thursday evening, watch Friday’s game, then travel back to Orono. A fee of \$125 per person includes bus transportation and a ticket to the game. Discount hotel rooms are available for \$139 at the team hotel. Hotel information will be supplied to fans who reserve a spot on the bus. For more information and to make a reservation, call 207.581.BEAR.

UMaine research makes strides toward monitoring post-concussion symptoms

07 Mar 2017

Concussions are big news these days as numerous professional and amateur sports leagues look for ways to ensure the long-term health and safety of players who sustain head injuries. A team led by researchers from the University of Maine and Logan University recently conducted a pilot study that might lead to a new method of monitoring people who sustain concussions. Using a device called OptoGait, which evaluates how a person walks, they seek to develop measures of balance that could indicate when a person has sufficiently recovered from a concussion to resume physical activity. Since loss of balance can be an indicator of a concussion, OptoGait may give athletic trainers and medical professionals additional information about a patient’s symptoms than existing concussion protocols. “We know that concussions can certainly lead to decreased balance — that’s one of the signs and symptoms,” says Christopher Nightingale, UMaine assistant professor of athletic training and physical education. “We tested the OptoGait to see what kinds of variations in balance we could find and whether any of those are indications of long-term concussion effects.” OptoGait was developed by Microgate, a company with headquarters in Italy and New York state that focuses on medical technological development and improving sports performance. The device, which is simple and easy to use, consists of two parallel tracks resembling skis that are placed on a floor, treadmill or other surface. Each OptoGait track has 96 LED lights, which line up with a corresponding light on the other track. When a person steps between the tracks, s/he breaks the path from one light to another, allowing the device to collect information about each step. A USB cable sends the information to a computer, where it’s recorded in real time. “We can collect information about balance with each step that someone takes, things like gait velocity, how much time your foot is in contact with the floor versus how long it’s picked up, and other markers of balance,” Nightingale says. For the pilot study, researchers tested the OptoGait on 20 collegiate student-athletes who marched in place between the tracks for 20 seconds at a time. After an initial test where they marched in a normal, head-forward, eyes-and-ears-open position, the student-athletes did the same test with various types of sensory deprivation designed to simulate concussion symptoms. Tests included marching with earplugs; marching while blindfolded; marching blindfolded with earplugs; marching with head looking up; marching with head to the left; marching with head to the right; and marching while counting backward from 100 by sevens to add a cognitive challenge. Test results were compared to those of two standard concussion protocols — the Balance Evaluation Scoring System (BESS) and the Immediate Post-Concussion Assessment and Cognitive Testing (ImPACT) tool. Although the team did not find strong correlations between the OptoGait and the other tests, the pilot study suggested the device could be another tool for trainers and doctors treating a patient who has had a recent concussion, or who has long-term effects from multiple concussions. Nightingale says additional testing would be needed to standardize the OptoGait measures, but that the pilot test showed promise. “Our understanding of concussions is growing daily,” he says. “I think someday what we’ll see in the field of sports medicine is that the term ‘concussion’ will be more a more broad term rather than a specific one. There are different ways that concussions manifest in different people. Having another tool like OptoGait to test for concussion symptoms is a good thing.” In addition to Nightingale, the testing team included: Craig Mason, UMaine professor of education and applied quantitative methods; Shihfen Tu, associate professor of education and applied quantitative methods; and Stephen Butterfield, retired UMaine professor of education and special education. The team also included four doctors of chiropractic medicine: Melissa Engelson from the Human Performance Center at Logan University; Jose Ramirez, also from Logan; Laney Nelson, from Camp 4 Human Performance in Utah; Kevin Bardwell from Bardwell Chiropractic in Yarmouth; and Richard Bruns from Bruns Chiropractic in Bangor. UMaine and Logan University have a three-plus-three arrangement, which allows students to work on their bachelor’s degree

for three years in Orono before transferring to Logan to complete their undergraduate degree and get a head start on their doctor of chiropractic degree. Dr. Bruns earned a bachelor's degree in psychology from UMaine in 1976 and his doctor of chiropractic degree from Logan. He's practiced in Bangor for more than 30 years and serves as chair of Logan's board of trustees. Bruns says OptoGait holds promise for treating and evaluating patients. "I now give every patient a brief proprioceptive and balance examination and assess them from that level, and then institute some balance and proprioceptive exercises," Bruns says. "Based on the data we can gather from the OptoGait, I do see a day coming where I'll probably use some kind of system like that to get baseline data on our patients as part of that initial examination." The pilot study team also is partnering with UMaine's Maine Center on Aging to look at ways OptoGait can be used with other populations, including senior citizens at risk of falling. For seniors, Bruns says, preventing a fall can be a matter of life or death. "We advise them of the dangers of things like throw rugs and extension cords in their house, but if you can teach them how to attain better balance and coordination and take that fall out of the equation, you may have saved their life," he says. The concussion study, "Validation of the OptoGait System for Monitoring Treatment and Recovery of Post-Concussion Athletes," is in press with the Journal of Chiropractic Medicine. Contact: Casey Kelly, 207.581.3751

Kevin Bois: Engaged leadership

07 Mar 2017

Leadership has long been part of the student experience for University of Maine senior Kevin Bois. At Westbrook High School, Bois was involved in student government and Key Club. At UMaine, he took his leadership to another level. For the past four years, Bois has served in University of Maine Student Government. And for the past year and a half, he has been Student Government president, working with his peers and collaborating with UMaine leaders to help student groups grow and thrive as part of an engaged UMaine experience for all. "We have a great team of students and staff in Student Government who really enjoy working with the student groups and administrations," Bois says. "This has really taught me the importance of a community and I appreciate how much UMaine values its students' input." As a member of Sigma Phi Epsilon, Bois has been actively involved in community service initiatives and intramurals. He is an avid fan of Black Bear athletics and a student ambassador for the College of Engineering. His many academic honors include the 2017 Frank J. Ruck Leadership Award from Sigma Phi Epsilon; UMaine's 2015 Distinguished Campus Leader Award; and the 2013 Good Citizen Award from Daughters of the American Revolution. As a mechanical engineering major with a minor in business administration, Bois did three internships with Sappi North America in Skowhegan. In the fall of his senior year at UMaine, he had three job offers. Following graduation in May 2017, Bois will join Pratt & Whitney in North Berwick as an associate engineer. Bois shared other perspectives on his UMaine experience: **Tell us about the research, internships or scholarly pursuits you were involved in as a student.** I was a project engineer intern (2014, 2016) and maintenance and reliability intern (2015) with Sappi North America in Skowhegan. The first summer I aided projects by creating 2-D CAD models, participated in the selection of mechanical equipment and supported installation of capital projects. The second summer was spent in maintenance and reliability engineering. I added new rebuild procedures to the company's database, became familiar with the use of visual, infrared, vibration and other nondestructive testing/maintenance measures, participated in a root-cause failure analysis of a piece of equipment on site, and helped in a two-week inspection of the power generation system. The third summer, I was involved in a large capital investment project. I was able to see the business end of a project which included learning about the approval process and business factors that affected decision-making. **What difference has UMaine made in your life and in helping you reach your goals?** UMaine has provided me an environment where I have been able to grow and develop both in and out of the classroom. In the classroom, I have gained the foundation of knowledge necessary to become an engineer. The professors here at UMaine genuinely care about the progress of students and the classes are small enough that you are able to have a genuine relationship with your professors. Outside of the classroom, UMaine has provided me with the opportunities to test and refine leadership skills, build relationships and make an impact in my community. My internships and job after college are also a direct result of attending UMaine. The combination of studying, fun and extracurricular activities has led me to have a balance in my college career that I hope to continue to incorporate into my life. **Why UMaine?** I love the University of Maine because it is a tight-knit community. Orono is a true college town filled with rich university history on and off campus. UMaine's size makes it just large enough to have the "big campus" feel and resources, yet is a size that you can see several familiar faces on the walk to class each day. **How would you define the opportunities for student success at UMaine?** The opportunities for student success at UMaine are huge. I regret that I was never able to fully capture these opportunities on campus, but I have several colleagues in related fields of studies that have research assistant opportunities with the faculty, part-time positions at the Advanced Manufacturing Center and Advanced Composites Center on campus, or even work in one of the many on campus tutoring spaces. My senior capstone project has really helped solidify my education. This two-semester project combines several fields of study in engineering to design, test and fabricate an autonomous land drone. This also ties in well with the goal of entering a project-oriented job after school. **What advice do you have for incoming students to help them get off to the best start academically?** My advice would be to spend the first weeks on campus exploring the opportunities our campus has: the clubs, Greek organizations, intramurals, on-campus positions, and find one thing that you can really commit to. That thing will be your motivator, the place where you have relationships that will define your college career — a positive place where you can focus your energy when you're not in class or studying. Being involved — but not too much — I believe is a huge part of a successful academic career outside of the traditional good study habits: reading your text, going to class and getting to know your professors. Contact: Margaret Nagle, 20.581.3745

Innovate for Maine program matches interns with growing Maine companies

07 Mar 2017

The University of Maine's Foster Center for Student Innovation is seeking Maine companies to host interns from the Innovate for Maine Fellows program. Innovate for Maine Fellows connects the best and brightest Maine college students with the state's most exciting companies as a way to grow and create jobs in Maine through innovation and entrepreneurship. The program is looking for a variety of high-growth, for-profit companies with a focus on innovation. Host companies can range in size from small startups to major corporations. Interns can work full time or part time during the summer, with the possibility of continuing part time during the academic year. Emphasizing innovation and entrepreneurship, the program prepares students to collaborate with companies on innovation projects that accelerate company growth and provide paid, meaningful, hands-on internship experience. Innovation projects can include work on new products or services, process improvements or projects to scale company growth. Innovate for Maine interns are able to conduct market research, write marketing messages and innovation descriptions, assist with technical work and run "fail fast, fail cheap" experiments, such as prototyping and sales forecasting. "There are a number of Maine companies developing innovative products, services and systems that are eager for talented students who understand the innovation process," said Renee Kelly, assistant vice president for innovation and economic development. "By matching students trained in a systematic approach to innovation with these companies, we hope to help the companies grow while helping Maine students see that there are great opportunities to work and stay in Maine after they graduate." Trained innovation experts guide and mentor both the fellow and the company for the duration of the project. The University of Maine handles all recruiting, screening, matching, hiring, and initial innovation and workplace training. As part of Maine Accelerates Growth (MxG), Innovate for Maine assists companies with matching funds, according to company size, to support the cost. MxG is an initiative to create jobs and economic development in Maine through entrepreneurship and growth. It works with partners to create statewide programs with coordinated, focused

activities to accelerate companies, connections and the next generation of Maine entrepreneurs. “By handling all these administrative pieces, companies are able to easily engage an intern without having to worry about challenges that can sometimes accompany the hiring process,” said Angela McCue, Foster Center innovation outreach manager. “Through the support of organizations like MxG, the program is able to offer invaluable support to smaller companies that would not be able to afford this assistance otherwise,” McCue says. “For the large companies that do not qualify for a subsidy, they also benefit by receiving a trained and vetted intern who is ready to dive in and tackle the tasks at hand. It’s really a win-win for everyone involved.” The Innovate for Maine program received the Maine Development Foundation’s 2013 Champion of Attraction, Retention and Engagement Award for its work to attract and retain talent for Maine’s workforce. The application deadline for companies is March 24; the application for interns is March 20. For more information and applications for the Innovate for Maine program: umaine.edu/innovation For more information about Maine Accelerates Growth: maineacceleratesgrowth.com Contact: Angela McCue, 207.581.1429

UMaine SWE Section cited

08 Mar 2017

[SWE](#), the magazine of the Society of Women Engineers, cited the UMaine section in the College of Engineering for its Silver Level Outstanding Collegiate Section Award. This is the second consecutive year that the UMaine SWE Section received a silver level award. Hannah Morgan, a senior bioengineering major from Gardiner, Maine, is president of the UMaine SWE Section.

KJ advances free Extension tillage webinar series

08 Mar 2017

The [Kennebec Journal/Morning Sentinel](#) advanced a free, online webinar about tillage practices for organic vegetable farmers. In the three-part series beginning March 9, University of Maine Cooperative Extension staff will share their expertise on several topics, including using permanent bed systems to manage weeds and increase productivity. Online registration is requested. For more information, contact Mark Hutton, 207.933.2100; mark.hutton@maine.edu.

UMaine community members participating in third annual Maine Science Festival

08 Mar 2017

The third annual Maine Science Festival is March 16–19 with events throughout downtown Bangor and in Hampden, and the University of Maine is one of the event partners. Again this year, several members of the UMaine community will be leading workshops and participating in the weekend that draws science, innovation and creative achievement enthusiasts of all ages. A list of some of the UMaine-led events follows. The full schedule of Maine Science Festival events is [online](#).

- **Science on Tap** — Amy Blackstone, Kristen Brown
- **Friday Field Trip Day** — For schools and home schoolers, highlighted by:
 - Good, Bad & Ugly in Film — John Thompson, Jamie Wren
 - Bugs in Maine — Jim Dill, Clay Kirby
 - A Day in the Life of — David Neivandt
 - Cool Science — Rebecca van Beneden, Justin Dimmel, Sue Erich
 - Wireless Network Exhibit — Ali Abedi
- **Tech Night** — UMaine’s chapters of ACM-W and SWE, College of Education and Human Development
- **5 Minute Genius** — Sandra de Urioste-Stone, Heather Hamlin
- **Exploration Station** — Michelle Smith, Brett Ellis, Emera Astronomy Center
- **Printing the Farm** — Susan Smith
- **Help Sculpt the Skull** — University of Maine Museum of Art
- **Why Parasites Control the World** — Ian Bricknell, Anne Lichtenwalner
- **Minecraft Workshop for parents/adults** — Ami Gaspar, Bruce Segee
- **VEMI Workshop: World Building**
- **Cave of Forgotten Dreams** — Linda Silka
- **Science in Popular Culture** — Mark McLaughlin, Jamie Wren, Liam Riordan
- **Headliner: You're the Expert** — a UMaine scientist revealed at the event
- **Fail Fast, Fail Cheap** — Foster Innovation Center
- **Beginner 3D Printer workshop** — Sean Taylor
- **Papermaker Talkback** — Pros Bennett

TRJ advances historic photography exhibits at Hutchinson Center

09 Mar 2017

The Republican Journal advanced the March 13 opening of the [Penobscot Marine Museum’s historic photography exhibits](#) “Acadia National Park: A Postcard View” and “The History of Postcards” at the H. Allen Fernald Gallery of the University of Maine’s Hutchinson Center. The exhibits runs through May 22. “Acadia National Park: A Postcard View” features Eastern Illustrating & Publishing Co. photographs of early days at Acadia National Park. The exhibit was created for the 100th anniversary of Acadia National Park. “The History of Postcards” was the theme of the Penobscot Marine Museum’s summer 2016 exhibit that celebrated the 100th anniversary of Maine Postcard Day.

Laatsch BDN column highlights asteroid that passed Earth on March 2

09 Mar 2017

Shawn Laatsch, director of the Emera Astronomy Center and Jordan Planetarium, wrote his Bangor Daily News *Eyes on Maine Skies* column about an asteroid that passed within 9,000 miles of Earth on March 2. Laatsch, president of the International Planetarium Society, said that's closer than some communications and weather satellites. The asteroid, about 10 feet in diameter, is called 2017 EA. An asteroid around 50 feet in diameter that struck Siberia on Feb. 15, 2013 blew out windows in homes. Asteroids a mile in diameter and larger are considered planet killers, said Laatsch, and have the potential to cause climatic changes. At 7 p.m. each Friday in March, the Emera Astronomy Center will present Asteroid: *Mission Extreme*, which examines asteroids in depth.

FOX 22 reports on study exploring concussion-balance connection

09 Mar 2017

[FOX 22 Bangor reported on a University of Maine pilot study](#) that could lead to a new method of monitoring people who sustain concussions. Researchers are using a device called OptoGait, which evaluates how a person walks. They're seeking to develop measures of balance that could indicate when a person has sufficiently recovered from a concussion to resume physical activity. "Really, walking is a series of controlled falls," says assistant professor of athletic training and physical education Chris Nightingale. "Balance is affected by people who have concussion and a history of concussion," he told FOX 22.

Ellsworth American interviews Yarborough, Drummond about bees

09 Mar 2017

["The Ellsworth American" interviewed David Yarborough and Frank Drummond for a story](#) about blueberry growers ordering fewer honeybees and bumblebees to pollinate this year's crop. Homer Woodward, vice president of Jasper Wyman & Son in Milbridge, said he'll order fewer bees to make up for the drop in last year's crop and because he'll be harvesting 1,200 fewer acres. David Yarborough, blueberry specialist with the University of Maine Cooperative Extension, said blueberry growers have ordered fewer bees for a few years; the industry is experiencing strong competition from highbush blueberry growers in the Pacific Northwest, other parts of the U.S. and overseas. Drummond, a professor of insect ecology at UMaine, said the price of blueberries was so low last year that it almost didn't cover the cost of production.

Seatrade Cruise News cites UMaine study on passenger spending

09 Mar 2017

A University of Maine School of Economics study on cruise passenger spending was cited in a ["Seatrade Cruise News" article](#). In Bar Harbor, cruise passenger spending had an estimated economic impact of \$20.2 million in 2016, according to the study based on 2,231 mail surveys completed by visitors associated with 31 ship ports over 24 days between May and October. The \$20.2 million is more than the \$13.7 million estimated in spending in 2005 and the \$12.1 million in 2002, according to the article. Bar Harbor town manager Cornell Knight said the spending would support 379 jobs — full, part-time and seasonal. The study calculated 138,285 passengers — highly educated, affluent, and most at least 50 years old — went ashore. The study reported 60 percent of respondents visited Acadia National Park and 46 percent took an excursion. Of those, about 86 percent shopped and 72 percent ate in town, spending an average of \$108, according to the article.

Fernandez to talk at UMFK about state's climate future

09 Mar 2017

Ivan J. Fernandez will address ["Maine's Climate Future – How Do We Respond?"](#) at 11 a.m. Friday, March 17 at the University of Maine at Fort Kent. Fernandez is a soil scientist with the School of Forest Resources and the Climate Change Institute.

SPA performance included in Seacoastonline article about Arts Fair

10 Mar 2017

The Division of Theatre was mentioned in a [Seacoastonline article about Arts Fair week](#) at Horace Mitchell Primary School in Kittery Point. UMaine students performed "James and the Giant Peach" at the fair, which also included African drumming and dancing and performances by the Shapleigh School jazz band and the Seacoast Repertory Theatre. "The arts fair is all about introducing our students to the performing, visual and fine arts," says David Foster, principal. "It's a great time for students to put down the pencils for the week and immerse ourselves in the arts." At UMaine, ["James and the Giant Peach"](#) will be performed at 7:30 p.m. March 24 in Al Cyrus Pavilion.

FOX 22 features Screamin' Pep Band

10 Mar 2017

FOX 22 did a two-part feature on the Screamin' Black Bears Pep Band. The band, directed by Christopher White, seeks to elevate men's ice hockey and men's and women's basketball games into must-attend events. White says the pep band is part of the fabric of athletic contests and senior Jay Baines, a snare drummer, says band members, like student-athletes, "leave it all on the field." In the second part of the feature, White talks about building tradition and playing the same five songs before each men's ice hockey contest.

Maine Public interviews Yarborough about blueberry production

10 Mar 2017

Maine Public talked with David Yarborough for a story about [Maine wild blueberry producers slashing production to survive](#). There's been too much of a

good thing and prices are plummeting, according to the story. Yarborough, a wild blueberry specialist with University of Maine Cooperative Extension, says something has to give. According to the article, 99 percent of Maine's wild blueberry crop is sold frozen, and strong harvests the last three growing cycles in Maine, coupled with record harvests in Canada, have contributed to a glut of berries. "Growers are going to definitely have to make some reductions and changes because certainly you can't go on very long spending more money than you're making," he says. The price per pound paid to blueberry harvesters has decreased from \$1.07 in 2007 to 46 cents in 2015. "There may be some fields that they allow to go fallow for a few years, or there may be some people that get out of production," Yarborough says, adding that for consumers, there's never been a better time to buy the berries.

BDN talks with UMaine bee experts

10 Mar 2017

The [Bangor Daily News](#) interviewed Frank Drummond and David Yarborough for a story about the health of Maine's native bees. Drummond said while the country's honeybee population is dramatically declining, many of Maine's 275 native bee species appear to be holding their own. "I think it's a very optimistic story," says the professor of insect ecology. "In general, it seems that most of our native bees are pretty stable and not really in decline." Yarborough, a wild blueberry specialist with University of Maine Cooperative Extension, says bee populations fluctuate with environmental conditions. "With the warming trends, you tend to see southern species moving in and northern species moving out. It's a moving target, and there are a lot of considerations," he says. "It's the plight of all animals: climate change, habitat destruction. Things aren't the way they used to be and they aren't going to go back." Drummond says [people can make small changes to their habitats and habits to help bees](#). "Bees mostly operate pretty locally, with the distance they fly just a couple hundred meters," he says. "So individual people can have an impact. Everybody doing their little bit helps." That might include periodically mowing fields and providing pesticide-free plantings that bloom in succession throughout the season.

Finalists for NSFA dean/Experiment Station director to give campus presentations

10 Mar 2017

Four finalists for dean of College of Natural Sciences, Forestry, and Agriculture and director of the Maine Agricultural and Forest Experiment Station will be on campus March 21-April 14. Public presentations on the topic "Leadership Within a Large, Diverse College at a State Flagship University," a question-and-answer session and reception are scheduled at the following dates and times. The campus community is invited and encouraged to attend. All will be held 1:30-3 p.m. in 57 Stodder Hall. Stephen Shaler, March 21; Frederick Servello, April 5; Jane Kolodinsky, April 10; John Russin, April 13. Please provide feedback to the Search Committee as soon as possible after interacting with the candidates or attending the public presentations. The deadline for all feedback to be received is by the end Monday, April 17. If further information is needed, contact Dianne Avery, diannea@maine.edu; 581.1595.

Maine National Guard holding training exercise on campus March 16

13 Mar 2017

On March 16, Holmes Hall will be the site of a regular training exercise for members of the Maine Army National Guard Civil Support Team. The exercise, from 6 a.m. to 5 p.m., also will involve Orono Fire Department personnel. Members of the UMaine community may see Guard first responders in hazmat suits. That day, the parking area between Holmes Hall and Fogler Library, as well as the Stodder Hall lot, will be closed to accommodate the participants and their equipment.

Multifaith panel discussion March 29

13 Mar 2017

"Can We Really Coexist: A Multifaith Panel Discussion" will be held 7-9 p.m., March 29, Nutting Hall auditorium, as part of University of Maine Diversity Week. Panelists speaking on Islam, Judaism, Christianity, Catholicism, Wabanaki spirituality, humanism/atheism and Buddhism will include: Omar Conteh, Rabbi Darah Lerner, Aaron Watt, Tracy Guerrette, John Bear Mitchell, Tom Waddell and Hugh Curran, with moderator Linda Silka. The free public event is organized by the Wilson Center. For more information or to request a disability accommodation, call the Wilson Center, 207.866.4227.

Sun Journal advances Schonberger's induction into Hall of Fame

13 Mar 2017

The [Sun Journal](#) announced that Ann Schonberger will be inducted into the Maine Women's Hall of Fame on March 18 at the University of Maine at Augusta. Schonberger is a former mathematics professor and director of what was then called the Women's Studies Program. She's a faculty emerita member with the Women's, Gender, and Sexuality Program. Criteria for induction are achievements that have had a statewide impact, have significantly improved the lives of Maine women and have enduring value for women.

BDN features outdoors course at Bryant Pond 4-H Camp

13 Mar 2017

University of Maine Bryant Pond 4-H Camp director Ron Fournier and educator Gary Proulx were mentioned in a [Bangor Daily News](#) feature about the Becoming an Outdoors-Woman course at the University of Maine Bryant Pond 4-H Camp and Learning Center. Fournier helped organize the February event and Proulx demonstrated how to set a fishing line on a trap so bait was positioned in a good spot to catch cusk. Forty women took courses in snowmobiling, wildlife tracking, maple sugaring, clay shooting, muzzleloading and fire cooking, according to the article. For more than 20 years, the Maine Department of Inland Fisheries and Wildlife has hosted BOW workshops in spring, fall and winter at the University of Maine Bryant Pond 4-H Camp and Learning Center, according to the article.

WLBZ highlights Innovate for Maine program

13 Mar 2017

[WLBZ](#) (Channel 2) highlighted the Innovate for Maine Fellows program, which connects college students with Maine companies to grow and create jobs across the state through innovation and entrepreneurship. “I don’t think that young people aren’t necessarily willing to stay,” says Angela McCue, outreach manager at the Foster Center for Student Innovation. “I think that young people don’t necessarily know the opportunities that are available to them. We’re looking for small companies, large companies, anyone who is doing anything innovative and anyone who is looking to grow.” Emma Wilson, 24, had planned to move after she graduated from UMaine. But thanks to the Innovate for Maine program, she’s president of a company that designed an odor-absorbing compost kit.

Ellsworth American reports on Geospatial Analysis Laboratory

13 Mar 2017

[The Ellsworth American](#) wrote about the University of Maine School of Forest Resources’ Barbara Wheatland Geospatial Analysis Laboratory’s involvement with the construction of a new waste transfer station in Orland. “Basically the client wanted the most up-to-date representation of what’s there on the ground,” says Dave Sandilands, a graduate student, remote sensing specialist and aerial survey pilot with the Wheatland Lab, which uses satellite and aerial photography, laser sensing data, geographic information systems and other tools, including the university’s Cessna 172, to monitor forests and conservation easements and to research the natural sciences. “GIS and remote sensing are very big in the forest industry,” says Sandilands, who added the technology is great for analyzing a forest’s structure and health from the air. Foresight Engineering asked the Wheatland Lab to do the aerial surveying in order to be able to accurately measure distances for clearing trees, constructing the station and anticipating where water runoff would flow. [Waste360](#) also reported on the project.

BODYTRAFFIC full speed ahead for March 19 at CCA

13 Mar 2017

An inventive, dynamic Los Angeles dance troupe will bound across the stage at the Collins Center for the Arts at 7 p.m. Sunday, March 19. In 2007, Lillian Barbeito and Tina Finkelman Berkett founded BODYTRAFFIC, which commissions today’s most distinctive choreographers. BODYTRAFFIC reflects the diverse landscape of the City of Angels with its warm energy, athleticism and aesthetic innovation. Performances are versatile and accessible as well as inspiring and challenging. The Joyce Theater Foundation called BODYTRAFFIC “the company of the future.” Audiences and critics are captivated by the dancers’ technique, style and joy. “Drop gritty, contemporary New York and European choreographers into the fast-paced, freeway world of Los Angeles, sprinkle with energetic young talent, and you get the super-fast, super-sexy, super-expressive intensity,” wrote Dance View Times. For more information and tickets, visit collinscenterforthearts.com. Tickets are \$24–\$29 for the general public and \$7 for K–12 students. Orders that include K–12 tickets must be purchased in person or by calling 207.581.1755 and must be picked up at the box office the night of the performance. Call as well to request an accommodation.

Learn about fermented foods, alternative funerals at Rural Living Day

13 Mar 2017

University of Maine Cooperative Extension and Waldo County Extension Association are hosting the 23rd annual Rural Living Day from 8:30 a.m. to 3:45 p.m. Saturday, April 8, at Mount View High School, 577 Mount View Road, Thorndike. Workshop topics include raising poultry, making fermented foods, using drip irrigation, plantings for wild bees and silvopasture. Many classes are part of daylong themes, such as livestock, food or horticulture. New this year is a workshop series about alternative funeral practices. Registration is required. A \$20 donation is requested for three workshops and a lunch featuring locally sourced foods. Some workshops also have a fee for materials. Proceeds help Waldo County youth attend UMaine Extension Tanglewood 4-H Camp in Lincolnville. To register and for more information, visit extension.umaine.edu/waldo/rld. To request a disability accommodation, or to register by phone, call 207.342.5971 or 800.287.1426 (in Maine).

Maine Vegetable and Fruit Schools rescheduled

13 Mar 2017

Due to inclement weather, the Maine Vegetable and Fruit Schools March 14–15 will be rescheduled for March 27 at Seasons Event & Conference Center in Portland and March 31 at Bangor Motor Inn Conference Center. Both will be held from 8:30 a.m. to 4 p.m. If you are unable to attend on the new date for your registered location, or would like to switch locations, contact pamela.stpeter@maine.edu; 207.933.2100.

Gardening volume cited by Republican Journal

14 Mar 2017

A [Republican Journal](#) story notes that horticulturalists Marjorie Peronto and Reeser Manley will discuss their latest book, “The Life in Your Garden: Gardening for Biodiversity,” at a March 19 event in Belfast. Peronto is a University of Maine Cooperative Extension Professor based in Hancock County; Manley has taught at UMaine. This is the second volume the pair has co-authored. The first was “The New England Gardener’s Year: A Month-by-Month Guide for Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, and Upstate New York” in 2013, according to the story.

Sun Journal advances ‘Preserving the Harvest’ workshop

14 Mar 2017

The [Sun Journal](#) previewed a hands-on Preserving the Harvest workshop offered by Maine Adult Education and taught by University of Maine Cooperative Extension, 5:30–8:30 p.m. May 3, at the Adult Learning Center, 486 Turner Center Road, Turner. Participants will receive a food preservation packet and recipes, and learn basic steps for canning and freezing. Cost is \$20; register online.

Migraines focus of Borkum's March 24 talk

14 Mar 2017

A research colloquium, "The Migraine Attack as an Integrated Neuroprotective, Neurorestorative Process," by Jonathan Borkum, UMaine adjunct associate professor, will be held at 3 p.m., March 24, Hill Auditorium, Barrows Hall, sponsored by the Psychology Department and the Graduate School of Biomedical Science and Engineering. Borkum, a psychologist in private practice in Waterville and Bangor, wrote "Chronic Headaches: Biology, Psychology and Behavioral Treatment." His research has been cited in headache treatment guidelines of the NHS National Services Scotland, the Canadian Headache Society and the Swiss Society for the Study of Pain as well as in diagnostic criteria of the International Headache Society. His theory of migraine triggers has been covered in The Boston Globe.

Devin Greenlaw: Class of 2017 president

14 Mar 2017

As president of the University of Maine Class of 2017, Maine Business School senior Devin Greenlaw is helping his classmates leave their mark on their soon-to-be alma mater. The class is raising \$10,000 to endow a scholarship fund in the University of Maine Foundation to benefit the descendants of Class of 2017. "Our children and our grandchildren will feel they belong here at the University of Maine because there is a scholarship waiting for them," Greenlaw says. UMaine's Class of 2017 is a spirited group "with a progressive, forward-thinking mind-set," he says. "I'm blown away by my classmates. They are the leaders of tomorrow — motivated and engaged and determined to change the world," he says. The Tampa, Florida native majoring in marketing and management says he chose UMaine for its AACSB-accredited business school with its down-to-earth atmosphere and welcoming, diverse students and faculty. The Maine Business School "has given me the communication, interpersonal, management and leadership skills that will enable me to maintain a profitable, efficient and ethical business operation," he says. Business law, human resource and strategic management classes were particularly relevant, Greenlaw says, with opportunities to examine case studies showing how important it is for employees to feel valued and supported. After graduation, Greenlaw plans to work for the contract food manufacturing company his family has owned since 1927.

Achieve harmony with Doo Wop Project at the CCA

15 Mar 2017

The Doo Wop Project will bring street corner harmonies to the Collins Center for the Arts stage at 8 p.m. Saturday, April 1. The show traces the evolution of doo-wop from the classic sound of five guys singing on a street corner to today's biggest radio hits. The singers will cover foundational tunes of The Crests, The Belmonts and The Flamingos, then turn their attention to the songs of Smokey Robinson, The Temptations and The Four Seasons before finishing with "doo-wopified" renditions of Michael Jackson, Jason Mraz and Amy Winehouse smashes. The group includes stars of Broadway's hits "Jersey Boys" and "Motown: The Musical." The performers bring unparalleled authenticity of sound and vocal excellence to recreate — and in some cases reimagine — some of the greatest music in American pop and rock history. For more information or to purchase tickets, visit the CCA [website](#). Tickets are \$32 for orchestra seats, \$28 for balcony seats and \$6 for students in K–12. Orders that include K–12 tickets must be purchased in person or by calling 581.1755 and must be picked up at the box office the night of the performance. Call as well to request an accommodation.

Turner Publishing previews UMaine Extension farming course

15 Mar 2017

[Turner Publishing](#) advanced a four-session course offered by the University of Maine Cooperative Extension for farmers and those hoping to farm. "So You Want to Farm in Maine?" will begin April 3 at the UMaine Extension Penobscot County office in Bangor and will continue from 6–9 p.m. every Monday in April. Live streaming of the course also will be available, the article states. Participants will gain the knowledge and skills to start, adapt and maintain a profitable land-based business. Topics to be discussed include evaluating farm enterprises, developing a business plan, assessing soil and other resources, record keeping and market research, the article states. More information and registration is online.

Barkan writes op-ed for BDN

15 Mar 2017

The [Bangor Daily News](#) published the opinion piece "The non-alternative facts about Obamacare," by Steven Barkan, a sociology professor at the University of Maine and author of "Health, Illness, and Society: An Introduction to Medical Sociology." Barkan also is a member of the Maine Regional Network, part of the 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.

Shaler quoted in Mainebiz article on bill to accelerate R&D of building with wood

15 Mar 2017

[Mainebiz](#) reported legislation backed by U.S. Sens. Susan Collins and Angus King calls for accelerated research and development of using new wood technologies, such as cross-laminated timber, in the construction of buildings over 85 feet high. Collins and King have joined two other senators in re-introducing the Timber Innovation Act, bipartisan legislation being pursued in both the U.S. Senate and House that aims to find new and innovative uses for wood as a building material, according to the article. In Maine, the legislation is supported by the Maine Forest Products Council and the University of Maine School of Forest Resources, the article states. "The use of Maine-sourced timber and engineered wood composites could be increased in important and developing construction applications such as mass timber non-residential structures," said Stephen Shaler, director of UMaine's School of Forest Resources. "This bill could help accelerate and expand Maine commercial manufacturing opportunities and associated engineering and architectural services. UMaine's expertise and R&D facilities are actively engaged and working with Maine industry in these sectors."

UMaine professors write BDN op-ed, create interactive map examining impact of the governor's proposed biennial budget on local schools

15 Mar 2017

Two University of Maine professors have created an interactive map that looks at how each school district in the state would fare under the governor's proposed biennial budget. The map, created by Assistant Professor of Educational Leadership Ian Mette and Assistant Professor of Curriculum, Assessment and Instruction Patrick Womac, accompanies an op-ed the pair wrote for the [Bangor Daily News](#). The map allows readers to click on districts in Maine to see the dollar amount and percentage change in state funding from FY17 to FY18. "Our map is not intended to comment on the policy implications of the proposed changes, but rather to provide a tool for Maine residents to examine the proposed changes for individual districts," Womac and Mette write. They add that state funding is only part of picture when it comes to local school district budgets, while concluding that "there is a real opportunity to take part in our democratic process by using data to inform policymakers about what is needed to support the foundation of our communities."

UMaine, AARP Maine release report on fiscal impact of insufficient retirement savings

16 Mar 2017

New research by the University of Maine commissioned by AARP Maine reveals the fiscal impact of inadequate retirement savings in the state. "[The Fiscal Implications of Inadequate Saving for Retirement](#)" report shows that an aging Maine workforce moving into retirement is increasingly reliant on public assistance, signaling a trend that could have important fiscal implications for the state, according to [AARP Maine](#). The study was led by Philip Trostel, an economics and public policy professor at the UMaine School of Economics and Margaret Chase Smith Policy Center. "This report can serve as a catalyst for change," Trostel says. "Helping workers save during their career will reduce government spending for retiree benefits. It is important for the state of Maine to consider options that will create more vehicles for workers to save toward retirement through their workplace." The full AARP Maine release is [online](#). More information, including the [final report](#), is available on the Margaret Chase Smith Policy Center [website](#).

Master Gardener Volunteers to participate in new Portland flower show, Forecaster reports

16 Mar 2017

[The Forecaster](#) reported members of the Maine Landscape & Nursery Association are launching a new Maine Flower Show. The inaugural event will be held March 29–April 2 at Thompson's Point in Portland, according to the article. Don Sproul, executive director of the association, said the difference between this flower show and similar events held in the past is that the new show is "being put on by industry experts." All the vendors will be local and a variety of nonprofits also will participate, including Master Gardener Volunteers with the University of Maine Cooperative Extension, the article states.

Nursing major wins third national wrestling title, media report

16 Mar 2017

The [Bangor Daily News](#) reported University of Maine student Samantha Frank won her third consecutive individual title last weekend at the 20th National Collegiate Wrestling Association championships in Allen, Texas. She pinned each of her opponents to win the women's 101-pound division while being named the meet's outstanding wrestler, according to the article. Frank is a junior nursing major from Windham. "I told my dad when I was 2 years old that I was going to be a nurse and I haven't changed my mind since then," she said. WVII (Channel 7) also reported on the championships.

Curran writes St. Patrick's Day op-ed for BDN

16 Mar 2017

The [Bangor Daily News](#) published the opinion piece, "St. Patrick's Day is a time for everyone to celebrate all things Irish," by Hugh Curran, who teaches courses in Peace and Reconciliation Studies at the University of Maine. Curran was born in Donegal, Ireland, and immigrated to Canada with his parents before moving to Maine.

Nelson, Dragonfly Mercury Project cited in National Parks Conservation Association article

16 Mar 2017

The [National Parks Conservation Association](#) reported on the Dragonfly Mercury Project, a program that encourages students, volunteers and park visitors to collect dragonfly larvae to measure mercury levels in water bodies. The project was initiated by Sarah Nelson, an associate research professor in the School of Forest Resources, and is a collaboration among UMaine, the U.S. Geological Survey (USGS), National Park Service, Dartmouth College and University of Wisconsin-La Crosse. The project has spread to more than 60 park sites around the country, and more than 2,500 citizen scientists have participated in the sampling campaign, according to the article. Many mercury studies focus on fish, but researchers involved in the project say dragonfly larvae are more appropriate candidates for a nationwide sampling effort, the article states. "They will eat anything that they can put their mouthparts on," Nelson said. "I have a colleague who used to call them micro-monsters."

BDN quotes Hopkins in article on increasing popularity of maple sap water

16 Mar 2017

Kathy Hopkins, a maple syrup expert with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) about the growing popularity of drinking pure maple sap water. "It has a lot of the components that are so good for you," said Hopkins, who also is a member of the Maine Maple Syrup Association. "It's kind of following the coconut water craze." According to DrinkMaple, a Vermont-based company bottling sap for commercial sales, maple sap contains 46 nutrients including calcium, iron, manganese and potassium along with electrolytes and antioxidants all in amounts beneficial to the human body, the BDN reported. "There are plenty of maple trees in Maine," Hopkins said. "So we could definitely have a sap beverage industry as well as a syrup industry so long as someone had the entrepreneurship and investments to get into it."

Equine anatomy focus of UMaine 4-H Science Saturday

16 Mar 2017

Learn about equine anatomy at the next University of Maine Cooperative Extension 4-H Science Saturday, April 15, 10 a.m.–1 p.m., at UMaine's J.F. Witter Teaching and Research Center, 160 University Farm Road, Old Town. Participants will be able to explore equine muscle and bone structure, and typical gaits, and practice basic care such as leg wraps and poultices. The event is open to students in grades 6–8. Maximum number of participants is 15; minimum is six. The \$10 per person fee includes lunch. Register [online](#) by April 7. For more information or to request a disability accommodation, contact Jessica Brainerd at 207.581.3877, 800.287.0274 (toll free in Maine); jessica.brainerd@maine.edu.

Victoria Hernandez: Army ROTC in Paraguay

17 Mar 2017

University of Maine ROTC cadet Victoria Hernandez's role models are her parents. Her father immigrated to the U.S. from Honduras in the late 1980s. Her mother followed a few years later. Successfully building a better life as her parents did for the family requires discipline, focus and faith. Hernandez found her own version of the journey by joining the Army. In 2013, after graduating from Sanford High School, she deferred college for a year and went to Fort Sill, Oklahoma for basic training. She arrived in Orono, she says, a changed person. "I don't think I could imagine my life without the Army anymore," says Hernandez, who began her coursework as a biology major in the fall of 2014. "It's just made me, I think, a better leader and a stronger person." UMaine's ROTC Black Bear Battalion, is highly regarded. Most recently, it won a prestigious [MacArthur Award](#), which recognizes the top eight schools, selected from among the 275 senior Army Reserve Officers' Training Corps (ROTC) programs nationwide. During her sophomore year, Hernandez applied to take part in the U.S. Army ROTC's Cultural Understanding and Language Proficiency (CULP) program. Cadets accepted into the program travel to a foreign country over the summer to increase their knowledge of other nations, their cultures and the military. On her application, Hernandez asked to go to a country covered by the U.S. Southern Command, south of Mexico. "I spoke Spanish. I knew it would be comfortable for me to go to a South American country because that's where my parents are from," says Hernandez. Hernandez was assigned to Paraguay. During the 30-day mission, Hernandez trained with Paraguayan cadets at their academy. She visited various branch headquarters of the Paraguayan military, learning about the rich history of the country and its army. Hernandez translated briefings between the Paraguayan officers and her CULP team and assisted her mission commander in speaking to their hosts. She also spent a day helping out at a local day care center that focuses on youngsters of single mothers. "It made me realize how other countries see the U.S. military," says Hernandez. "They use us as an example. They didn't even care that we were cadets. They had all the bells and whistles for us just because our uniforms said U.S. Army. It was a huge deal for them, for us to go and work with them." When she graduates in 2018, Hernandez hopes to begin active duty service in the U.S. Army Medical Corps. She plans to continue her education through the Army to become a physician assistant. Contact: Margaret Nagle, 207.581.3745

Light, movement, video project to be shown at IMRC Center

17 Mar 2017

NO PLAN B, a light, movement and video project, will be shown at 6 p.m. Monday, March 20 at the University of Maine's IMRC Center. NO PLAN B is a cross-genre collaboration between Alison Chase and Gene Felice. The pair will experiment with the blending of projections, movement and sound for the center's inaugural Tent Event: NO PLAN B. Chase is a choreographer, director, educator and artist. Her work explores emotional terrain through innovative movement, multidimensional storytelling, fusions of film and dance, site-specific works, and museum installations. She currently is an IMRC Center Artist in Residence. Felice is a professor of new media and intermedia at UMaine. He is the founder of the Coaction Lab, which is dedicated to the compulsive exploration of unstable relationships between organisms, environments and technology; examining site specific histories, stories and inspiration. The event will be held in the center's AP/PE SPACE. It is free and open to the public.

March 28 event to answer Summer University questions

17 Mar 2017

Staff from the University of Maine's Division of Lifelong Learning will be available in the North Pod of the Memorial Union 2:30–4:30 p.m. March 28 to answer Summer University questions. The staff also will be able to register or term activate students for summer courses. There will be giveaways, signed posters, and the chance to win a gift certificate to University Bookstore.

UMaine teaming up to offer webinars on reduced tillage, American Agriculturist reports

17 Mar 2017

[American Agriculturist](#) reported Cornell University's Small Farms Program has teamed up with counterparts at Michigan State University and University of Maine to offer three free webinars on reduced tillage for organic vegetable production. Viewers can learn about practices that might fit their operation — from permanent beds, tarps and mulches to cover cropping, strip tillage and cultivation tools, according to the article. Session leaders from UMaine include Mark Hutton, a vegetable specialist with the University of Maine Cooperative Extension and professor in the UMaine School of Food and Agriculture; Eric Gallandt, a professor of weed ecology and management; and Bryan Brown, a Ph.D. student in ecology and environmental sciences. Registration for the webinars is online.

Hopkins discusses maple syrup production on Maine Public's 'Maine Calling'

17 Mar 2017

Kathy Hopkins, a maple syrup expert with the University of Maine Cooperative Extension, was a recent guest on [Maine Public's](#) "Maine Calling" radio show. The show focused on Maine's maple syrup industry and touched on topics including the quality and volume of syrup in the state and if changes in climate are likely to affect future production.

WVII reports on MDI Biological Lab's Center for Science Entrepreneurship, new course

17 Mar 2017

[WVII](#) (Channel 7) reported on the MDI Biological Laboratory's Center for Science Entrepreneurship and its new course, Bridging Disciplines: Navigating Successful 21st Century Careers in Biomedical Science. The center and course aim to help University of Maine and College of the Atlantic science and engineering undergraduates explore approaches to biomedical research using concepts and tools that promote collaboration across disciplines, according to an MDI Biological Laboratory news release. The course was launched at the suggestion of UMaine students Isaiah Mansour and Samuel Landry, both of whom were 2016 summer fellows at the lab, the release states. The students were looking to have a place to challenge what they know and find new ways of being innovative, WVII reported. The new center provides students with a less structured environment, which allows them to come up with creative ways of solving issues, according to the report. "We need to find new ways to tackle problems," Mansour said. "A lot of times we end up just putting Band-Aids on old issues and coming up with ways to circumvent recurring problems that could have been completely avoided in the first place by coming up with a new system entirely together." Bio-IT World published the MDI Biological Laboratory release, and [Mount Desert Islander](#) also reported on the center.

Maine Public reports on UMaine, AARP Maine study on retirement savings

17 Mar 2017

[Maine Public](#) reported a new University of Maine study commissioned by AARP Maine suggests that as more people retire, inadequate personal savings means taxpayers will have to take on more of the burden. According to the research conducted by Philip Trostel, an economics and public policy professor at the UMaine School of Economics and Margaret Chase Smith Policy Center, last year Mainers aged 65 to 79 received \$164 million in social services, with \$28 million financed by the state. With the number of retired persons expected to grow by 30 percent over the next 15 years, the report suggests the state's burden will increase to \$61 million over that period, Maine Public reported. WVII (Channel 7) also reported on the study.

UMaine Museum of Art mentioned in Matador Network's list of 'coolest towns'

17 Mar 2017

The city of Bangor was included in the [Matador Network](#)'s 2017 list of the "24 coolest towns in the USA." Instead of relying on data, the list was created using "people's stories from the road," according to the article. "Ultimately what we sought was originality," the article states. "The kind of place you'd be stoked to call home, even if for just a few days." Bangor was described as having many talented musicians and a vibrant arts scene, including the University of Maine Museum of Art and Penobscot Theatre Co.

UMaine SMART program to be featured in 2017 NSF INCLUDES Video Showcase

20 Mar 2017

The University of Maine's Stormwater Management Research Team (SMART) program will be featured in the [2017 NSF INCLUDES Video Showcase](#). The online event will feature three-minute videos on projects around the country that are aspiring to make STEM education in the United States more inclusive. The [SMART program](#), based in the College of Engineering, seeks to better engage women, minorities, students with disabilities, and students from economically disadvantaged backgrounds in STEM education through community water research. The Video Showcase will be live March 20–27. All videos, including the UMaine SMART [video](#), can be seen [online](#) during that time. Throughout the week, members of the UMaine community are encouraged to view the videos and join the online conversations in the discussion boards under each video. Project organizers are inviting viewers to offer questions and comments, and suggest how their work, experience and expertise might be connected. Organizers say they hope constructive feedback will strengthen the projects and help make STEM education more inclusive. Last fall, UMaine was one of 37 institutions nationwide to receive first-ever awards for the National Science Foundation's INCLUDES program, a comprehensive initiative to enhance U.S. leadership in science and engineering by broadening participation in STEM. More information about the 2017 NSF INCLUDES Video Showcase is [online](#).

Telegraph String Quartet to play at Minsky Recital Hall

20 Mar 2017

The Telegraph String Quartet will play classic, contemporary and timeless music at 3 p.m. Sunday, April 2 at Minsky Recital Hall at the University of Maine. The quartet that formed in 2013 won the prestigious 2016 Naumburg Chamber Music Competition. The prize includes a performance at Carnegie Hall/Weill Recital Hall and a commissioned work by esteemed American composer Robert Sirota. The group was the lone American quartet, and one of 15 worldwide, invited to showcase at the 2016 Biennale de quatuors à cordes. In 2014, the foursome earned the grand prize in the Fischhoff Chamber Music Competition. The San Francisco area-based group — Eric Chin and Joseph Maile on violins, Pei-Ling Lin on viola and Jeremiah Shaw on cello — is committed to the standard repertoire and to contemporary and new music. The Telegraph String Quartet's CD of Webern, Britten and Kirchner will be released in 2017. Offstage, the group spreads its music through education and audience engagement. The musicians have given master classes at the San Francisco Conservatory of Music and the Chicago Youth Symphony Orchestra. The members also hold teaching positions, including with San Francisco Conservatory of Music's Chamber Music Program and Young Chamber Musicians in San Francisco's South Bay. Maine Public is the sponsor of the concert, a featured selection in the John I. and Elizabeth E. Patches Chamber Music Series. Attendees and performers are invited to a post-concert reception at Miller's Café. Tickets are \$35 for adults and seniors and \$10 for students. To purchase tickets and for more information, visit the CCA [website](#). Also, to purchase tickets or to request an accommodation, call 581.1755.

DMC to host summer Developmental Biology Teaching Workshop

20 Mar 2017

The University of Maine Darling Marine Center is the site of a five-day workshop for college and university instructors of developmental biology. The June 27–July 1 Developmental Biology Teaching Workshop introduces senior faculty and the next generation of developmental biologists to a variety of laboratory tools and a host of research organisms. Low-budget, high-impact microscopy and surgical techniques as well as fluorescence photomicroscopy techniques

will be covered by workshop leaders Jennifer Fish, assistant professor at the University of Massachusetts Lowell, and Ian Woods, assistant professor at Ithaca College. Guest instructors are Eric Cole, professor at St. Olaf College, and Leland Johnson, professor emeritus at Augustana College. The workshop will provide tips on organism husbandry and hands-on experience with organisms studied in teaching laboratories, including ciliates, flowering plants and ferns, flatworms, *Drosophila*, *Caenorhabditis*, urchins, chicken embryos and *Xenopus*. The workshop is designed for postdocs and graduate students about to begin teaching developmental biology as well as experienced developmental biology teachers wishing to diversify their laboratory courses. In addition to sharing techniques and ideas, there will be time for get-togethers and a lobster lunch. The workshop is limited to 12 and the fee is \$550. Room and board at the DMC is optional for additional costs. Register [online](#) before April 15. For more information, contact Linda Healy at 563.8220 or lhealy@maine.edu.

Innovate for Maine program seeking companies, Morning Sentinel, Kennebec Journal report

20 Mar 2017

The [Morning Sentinel and Kennebec Journal](#) reported the University of Maine's Foster Center for Student Innovation is seeking Maine companies to host interns from the Innovate for Maine Fellows program. Innovate for Maine Fellows connects the best and brightest Maine college students with the state's most exciting companies as a way to grow and create jobs in the state through innovation and entrepreneurship. The program is looking for a variety of high-growth, for-profit companies with a focus on innovation. Host companies can range in size from small startups to major corporations. Interns can work full or part time during the summer, with the possibility of continuing part time during the academic year. More information about the Innovate for Maine program, including applications, is [online](#).

Republican Journal advances UMaine Extension's Rural Living Day

20 Mar 2017

[The Republican Journal](#) reported the University of Maine Cooperative Extension and Waldo County Extension Association will host the 23rd annual Rural Living Day from 8:30 a.m. to 3:45 p.m. Saturday, April 8 in Thorndike. Workshop topics include raising poultry, making fermented foods, using drip irrigation, plantings for wild bees and silvopasture. Many classes are part of daylong themes, such as livestock, food or horticulture. New this year is a workshop series about alternative funeral practices. Registration and more information are [online](#).

Press Herald reviews two UMaine Museum of Art exhibits

20 Mar 2017

The [Portland Press Herald](#) published a review of two current exhibits at the University of Maine Museum of Art in downtown Bangor — Jared Cowan's "The Life of David" and Siobhan McBride's "Four Hour Fortune Cookie." The author wrote the two shows struck him as an "unlikely but surprisingly well-matched pair." "The Life of David" is a small installation comprising impressive bronzes, photography and video components to convey a biographical sketch of Emilio David Mazzeo, (1920–1997) an Olympic runner whose lower legs were amputated later in life, according to the article. "Four Hour Fortune Cookie" features 16 small gouache paintings that depict glimpses of everyday object scenes, the article states. The shows are on display through May 6.

Media cover third annual Maine Science Festival

20 Mar 2017

The [Bangor Daily News](#), [WLBZ](#) (Channel 2) and [WABI](#) (Channel 5) reported on the third annual Maine Science Festival, in which the University of Maine is an event partner. Several members of the UMaine community led workshops and participated in the weekend that draws science, innovation and creative achievement enthusiasts of all ages. The event was held at various locations in Bangor, including the UMaine Museum of Art where participants helped construct a large-scale, paper mache human skull. The sculpture was created in anticipation of the upcoming Smithsonian exhibit "Exploring Human Origins: What Does it Mean to Be Human?" at Bangor Public Library, according to the BDN. Sean Taylor, IMRC Center project manager and FAB technician, spoke with [WABI](#) about the 3-D printing demo he gave on the last day of the festival. "I usually get a lot of 'Wow!' 'Awesome!' 'That's so cool!' and I love to hear that, honestly," Taylor said. "It means that we're doing something above the white noise of everything else and that we're really inspiring kids to learn about this stuff."

National Geographic quotes Lyon in article on Somalia drought

20 Mar 2017

Bradfield Lyon, an associate research professor of climate analysis at the University of Maine, was interviewed by [National Geographic](#) for an article about the current drought in Somalia. The country's government recently declared the drought a national disaster, and observers fear if rain doesn't come this month, mass starvation will follow, according to the article. "It's a chronically food insecure region, so it doesn't take much of a push for the climate to have a big impact," Lyon said. Africa's droughts have been increasing in frequency since the 1990s, and Lyon's research attributes it in part to the cooling of the eastern Pacific and the warming of the western Pacific, which regulate the El Nino and La Nina cycles. Climate change exacerbates these effects, pushing up temperatures and drying the land, the article states. "The drought wasn't unanticipated," Lyon said. "But they don't have a network in place to be able to effectively respond. If you're a farmer in Somalia you're not looking at seasonal forecasts from Columbia University."

UMaine to award honorary doctorates to alumni Donna Loring, Kenneth Hodgkins

20 Mar 2017

Maine Native American elder Donna Loring and Kenneth Hodgkins, a leader in developing and maintaining peaceful international use of outer space, will receive honorary degrees on May 13 from their alma mater, the University of Maine. The honorary doctorates will be awarded as part of UMaine's 215th Commencement. Loring will be honored in the morning ceremony that begins at 9:30; Hodgkins in the afternoon ceremony beginning at 2:30. "It is a distinct pleasure to honor two Mainers whose vision, leadership and outstanding contributions throughout their careers have made our world a better place," says UMaine President Susan J. Hunter. "Both Donna and Kenneth have been recognized and honored for their many lifetime achievements. Now UMaine will



show its pride in their accomplishments." [caption id="attachment_54199" align="alignright" width="223"] Donna Loring[/caption] Loring is a council member of the Penobscot Indian Nation. For more than a decade, she was the Nation's representative to the Maine State Legislature. Among her achievements in the Legislature, Loring authored and sponsored LD 291, "An Act to Require Teaching Maine Native American History and Culture in Maine's Schools," which was signed into law on June 14, 2001. The legislation has changed the way Maine views its history. Loring is a Vietnam War veteran and the first female graduate from the Maine Criminal Justice Academy to become a police chief. She graduated from UMaine in 1986 with a bachelor's degree in political science. Loring, founder and president of the nonprofit Seven Eagles Media Productions, based in Bradley, Maine, is the author of the book "In the Shadow of the Eagle: A Tribal Representative in Maine" and a musical, "The Glooskape Chronicles: Creation and the Venetian Basket." She hosts a monthly show, "Wabanaki Windows," on WERU Community Radio. Loring received a Maryann Hartman Award from the University of Maine in 1999. Hartman Awards recognize Maine women whose achievements in the arts, politics, business, education, health care and community service provide inspiration for women. In 2004, the Maine Sunday Telegram cited Loring as one of 10 women making a difference in Maine. Three years later, Portland Magazine named her one of the 10 most intriguing people in the state. The University of New England houses her papers as part of its Maine Women Writers Collection and sponsors an annual lecture series in her name. Loring is a member of the Deborah Morton Society of the University of New England and a member of the International Women's Forum. [caption id="attachment_54201" align="alignright" width="223"]



Kenneth Hodgkins[/caption] Hodgkins is the director for the Office of Space and Advanced Technology in the Bureau of Oceans, International Environmental and Scientific Affairs in the U.S. State Department. The office is responsible for bilateral and multilateral cooperation in civil and commercial space and high-technology activities, including the International Space Station, collaboration in global navigation satellite systems, the International Thermonuclear Experimental Reactor (ITER) and nanotechnology, and represents the department in national space policy review and development. Hodgkins serves as the U.S. Representative to the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS). He has been the state representative for major presidential policy reviews on remote sensing, the Global Positioning Satellite (GPS) system, orbital debris, and the use of nuclear power sources in space. Before coming to the State Department in 1987, he was the director for international affairs at the National Environmental Satellite Data and Information Service (NESDIS) of the Department of Commerce. Hodgkins received a bachelor's degree in political science in 1978 and an MPA in 1980 from UMaine. He joined the federal government in 1980 as a Presidential Management Fellow. In 2010 and 2017, respectively, he was the first and only Department of State recipient of the American Institute of Aeronautics and Astronautics' International Cooperation Award and the American Astronautical Society's award for Advancement of International Cooperation. He was also named by GPS World as a "GNSS Leader to Watch in 2009–2010." Hodgkins is a member elect of the International Academy of Astronautics and the International Institute of Space Law. Contact: Margaret Nagle, 207.581.3745

Kyle Goupille: Trumpeting success

21 Mar 2017

When Kyle Goupille first decided that he wanted to play an instrument, he chose the trombone. But he was in fifth grade and at that time, too short to reach all the slide positions on the trombone. "My mother wisely pointed out that there are just three valves on the trumpet — and (that I had) very short arms," recalls Goupille. Now in his fourth year as a music performance major at the University of Maine, the lanky 6-foot-2 musician with very long arms doesn't regret choosing the trumpet. He loves its versatility, the fact that it can be found in all types of bands and all styles of music. The trumpet is also a great solo instrument, says Goupille, who will be showcasing his skills as the featured soloist in the UMaine Symphonic Band's spring tour. The spring tour this year starts March 29 in Hampden and East Machias, with other concerts March 30–April 1 in Pembroke, Woodland, Mars Hill, Easton, Houlton and Lincoln. In a 7 p.m. concert March 30, the Symphonic Band will perform at Presque Isle Middle School, Goupille's alma mater. "It's going to be cool to share a stage with my old band in Presque Isle. I'll play a solo with the band this year, with the solo competition winner. It'll be fun to see my old teachers, old friends, and

family who come out. They'll get a taste of what I've done here for the last four years," he says. Goupille was deciding where to go to college when he and his family visited UMaine's School of Performing Arts and met music professor and trumpeter Jack Burt. "It was definitely the most personal audition experience I had," says Goupille, who was "blown away" and grateful for the down-to-earth, accessible UMaine professors, and the quality of the School of Performing Arts facilities. As a UMaine student, Goupille found that the instruction was perfect for him. The classes weren't too big or too small, and he had a lot of interaction with professors through classes and bands and ensembles, as well as one-on-one instruction. He also found a great number of opportunities to perform — Jazz Band, Symphonic Band and University Orchestra. As a teenager, Goupille never thought of playing music professionally and had already decided that teaching music was the most he could hope for. His experience at UMaine has made him rethink that assumption. "Getting here and seeing all the performance opportunities, I've discovered that it's possible to play for a living. I had no idea it was possible to play music for a living at this level. That's opened up my aspirations," says Goupille, who still hopes someday to teach, especially in a public school. At UMaine's 215th Commencement on May 13, Goupille will get his bachelor's degree. And he will perform the National Anthem at both of UMaine's graduation ceremonies. He plans to pursue a master's degree in trumpet performance. Contact: Alan Berry, 207.581.1955

'Mammoths in Maine' focus of Phi Beta Kappa talk

21 Mar 2017

University of Maine Professor Emeritus Hal Borns and Gary Hoyle, artist and former curator at the Maine State Museum, will present "Mammoths in Maine," at 2 p.m. Tuesday, March 28 in the Bodwell Lounge of the Hudson Museum. Borns and Hoyle will speak about the history of the ancient animal in the state. A tusk was unearthed during the excavation of a farm pond in North Scarborough in 1959 and was rediscovered during a survey of specimens for an ice age exhibit at the Maine State Museum. In 1990, bulk radiocarbon dating confirmed the tusk was ancient. During a 1992–1993 survey at the Scarborough site, the discovery of mammoth remains led to a multi-authored paper published in 2004. The Maine mammoth is the first mammoth found east of the Hudson River Valley. The event is part of the Phi Beta Kappa Spring 2017 series of talks. It is free and open to the public. Borns served as professor of glacial and ice age geology for 50 years at UMaine and was the founding director of the Climate Change Institute. In addition to working at the museum for almost three decades, Hoyle has been an artist in residence at the Climate Change Institute and Acadia National Park.

WVII covers Destination Imagination at UMaine

21 Mar 2017

[WVII](#) (Channel 7) reported students from around the state and from every grade visited the University of Maine for Destination Imagination. The program is a hands-on learning system that incorporates the STEM fields into fun, team-based challenges set in a tournament-style setting, [WVII](#) reported. The event was organized by CreateME, a local nonprofit. [Daily Bulldog](#) also published a report about the Mt. Blue High School team's experience at the event.

Maine Startups Insider reports on UMaine Business Challenge finalists

21 Mar 2017

[Maine Startups Insider](#) reported on the finalists for the UMaine Business Challenge, the state's largest student entrepreneurship competition. The college entrepreneurs will be paired with mentors and have seven weeks to build a business plan before presenting it before a panel of judges on April 29 at UMaine, according to the article. Up for grabs is \$20,000 in cash and in-kind support, the article states. The UMaine Business Challenge was founded in 2011 by a group of 2010 UMaine graduates. The competition, which encourages innovation and entrepreneurship, was opened to all Maine college students in 2014. Finalists from UMaine are Bradley Shepherd, a graduate student and video game company founder who is in the process of developing a multiplayer, online collectible card game; Benjamin Koehler, a senior studying mechanical engineering who has developed a product that is able to draw heat from a wood stove and store it in a portable, insulated box that can provide warmth in an unheated space; and Ian Shea and Paul Kurnick, who have developed a pocket-sized tool that enables a lighter and a standard lip balm to be combined, the article states. [Mainebiz](#) and [Mount Desert Islander](#) also reported on the finalists and [Tech.co](#) published the Maine Startups Insider report.

Idaho Ed News cites SMART Institute in feature on Boise High School student

21 Mar 2017

The University of Maine's SMART (Stormwater Management Research Team) program was mentioned in an [Idaho Ed News](#) feature on Alyssa Lu, a junior at Boise High School. Lu is committed to combating climate change, helping the environment, and making the world a better place for her generation and those that come after, the article states. This summer, Lu will be part of UMaine's SMART Institute where she will collect data and develop solutions for stormwater pollution in Idaho. "I want to educate the public about the problems with stormwater pollution and management," Lu said.

Media report on UMaine, Maine Brewers' Guild study on craft beer industry

21 Mar 2017

The [Portland Press Herald](#), [Maine Public](#) and [Mainebiz](#) reported on a new study released by the Maine Brewers' Guild and conducted by the University of Maine School of Economics. The report is projecting growth of nearly 40 percent next year as the number of Maine's craft brewers continues to increase, according to [Maine Public](#). Maine breweries added \$228 million to the state's economy last year, and employed more than 1,600 workers, according to estimates based on survey responses from guild members. The estimated total revenue of Maine brewers was more than \$150 million in 2016, a 17 percent increase from 2013, according to the report. "I wasn't expecting to see the level of economic impact we found," said Andrew Crawley, a UMaine economist who co-wrote the report. "If it continues at this pace, it will start to overtake some more established industries. We are going to see craft brewing right up there as a major part of the state's industrial makeup." Crawley told the Press Herald that a big surprise for him was the geographic reach of craft breweries. "The north and central Maine is where people are talking about significant expansions, and that is a positive economic sign of the industry growing across the state," Crawley said. "It is really good to see the impact it is having in places where there have been decline."

Social justice scholar Rhonda Y. Williams to give two talks April 6

22 Mar 2017

Rhonda Y. Williams, professor of history and director of the Social Justice Institute at Case Western Reserve University, will deliver the annual Howard B. Schonberger Peace and Social Justice Lecture on April 6. Williams' lecture, "Concrete Demands: Black Power Histories and Legacies in the 21st Century," will begin at 7:30 p.m. in Minsky Recital Hall. The free public event will be followed by a reception and book signing. Earlier in the day as part of the Socialist and Marxist Studies Series, Williams will speak on "Democracy for Whom? The Imperative of Social Justice Education." Her lecture will begin at 12:30 p.m. in the Bangor Room, Memorial Union. Williams is the author of "The Politics of Public Housing: Black Women's Struggles Against Urban Inequality" and "Concrete Demands: The Search for Black Power in the 20th Century." Her research interests include the manifestations of race and gender inequality on urban space and policy, social movements and illicit narcotics economies in the post-1940s United States. A native of Baltimore, Williams co-edits the "Justice, Power and Politics" book series at the University of North Carolina Press. She also co-edited the book, "Teaching the American Civil Rights Movement."

Press Herald cites UMaine rockweed data in article on harvesting dispute

22 Mar 2017

Data from the Maine Sea Grant College Program at the University of Maine was cited in the [Portland Press Herald](#) article, "Judge rules that rockweed harvesters need landowners' permission." Jeff Nichols, spokesperson for the Maine Department of Marine Resources, said there were 134 licensed seaweed harvesters in Maine in 2016. They landed 13,977,313 pounds of seaweed, of which rockweed represented about 97 percent, according to the article. In a 2013 report — the most recent data available — the Department of Marine Resources and Maine Sea Grant estimated the overall value of rockweed, after it has been processed into retail products, is in the vicinity of \$20 million per year, Nichols said.

Harrison's research mentioned in Conway Daily Sun report on Fryeburg coyote sightings

22 Mar 2017

Data collected by Daniel Harrison, a professor of wildlife at the University of Maine, was included in a [Conway Daily Sun](#) article on a Fryeburg selectman warning residents about a coyote he recently saw roaming around town. The best estimate the state has of the coyote population is about 12,000, which represents the "over-winter population," and was collected by Harrison a few years ago, according to the report. Harrison arrived at his figure by taking the average size of a coyote family territory, how many coyotes live in a family and then finding out how many territories could fit in Maine's habitable areas, the article states.

UMaine names 2017 Presidential Award winners

22 Mar 2017

A forensics researcher on the front lines of the drug abuse crisis in Maine and nationwide, the founder of UMaine's nationally recognized Writing Center and an international expert on El Niño will receive the University of Maine's top annual faculty awards. Research Professor Marcella Sorg will receive the 2017 Presidential Public Service Achievement Award; Professor of English Harvey Kail will receive the 2017 Presidential Outstanding Teaching Award; and Professor of Anthropology and Quaternary and Climate Studies Daniel Sandweiss will receive the 2017 Presidential Research and Creative Achievement Award. The three awards will be presented at the President's Faculty Recognition Luncheon May 13. "The outstanding contributions and achievements of Marci, Harvey and Dan speak to the mission and leadership of Maine's public research university," says UMaine President Susan J. Hunter. "All three award winners have contributed to the UMaine student experience in and out of the classroom and made a difference in Maine through the caliber of their teaching,



research and engagement." [caption id="attachment_54371" align="alignright" width="223"] Marcella Sorg[/caption] Sorg's career in forensic epidemiology and public policy, and forensic anthropology and taphonomy (the study of postmortem changes in human remains) spans four decades. She is a research professor with joint appointments in UMaine's Department of Anthropology, the Climate Change Institute and the Margaret Chase Smith Policy Center, specializing in health policy, particularly as it concerns public health, public safety, and the investigation of death and injury. Beginning in 2001, Sorg and then Maine Chief Medical Examiner Dr. Margaret Greenwald began compiling data on the relationship between substance abuse and drug-related deaths in the state, tracking epidemiological trends of prescription and illicit drug use. Sorg's expertise on the escalating abuse of prescription drugs in rural states has led her to be tapped to testify before Maine legislative and U.S. Senate committees. The pioneering epidemiological research of the Margaret Chase Smith Policy Center's Rural Drug and Alcohol Research Program led by Sorg critically informed regional and national efforts to control the opioid epidemic involving heroin and prescription pain medications. Sorg now serves as a sentinel community epidemiologist representing Maine on the National Drug Early Warning System of the National Institute of Drug Abuse. Since 1977, Sorg has been a consulting forensic anthropologist in the Maine Office of the Chief Medical Examiner, assisting in the recovery, analysis and identification of historic and modern human remains. She also collaborates with medical examiner offices in New Hampshire, Delaware and Rhode Island. Her forensic anthropology

expertise has been tapped for the repatriation of Native American remains, documentation of the earliest French settlers in North America and an attempt to shed light on a political assassination in Grenada. As an associate member of the Maine State Police Evidence Response Team since it was established in 1998, Sorg has worked with detectives to develop and teach evidence collection standards for processing outdoor death scenes. On the National Institute of Standards and Technology Scientific Area Committee on Crime Scenes and Death Investigation, Sorg helped develop national forensic standards. And for two years, she was a distinguished scientist and consultant for the Department of Defense Joint POW/MIA Accounting Command, helping to ensure the accuracy of identifications of fallen American service members. Sorg's seminal work in forensic taphonomy continues to help set the standard for postmortem investigations. Her contributions to forensic anthropology were recognized in 2010 with the highest award for achievement in physical anthropology from the American Academy of Forensic Sciences. Sorg joined the UMaine community in 1978 and holds a Ph.D. from Ohio State University. [caption



id="attachment_54374" align="alignright" width="223"] Harvey Kail[/caption] Kail has been an educator, scholar and interdisciplinary leader throughout his 38-year career at UMaine. He joined the university community in 1978 as assistant professor of English and director of the Writing Center and established the peer tutor and collaborative learning models that have become the successful hallmarks of the Writing Center at UMaine and nationally. Each academic year, the Writing Center has up to 25 trained undergraduate and graduate peer writing tutors from diverse academic disciplines who assist hundreds of UMaine students with their writing projects. Kail served as director of the Writing Center for 35 years. The goal of the Writing Center, Kail once said, is to “improve student writing at UMaine one student at a time.” Those lessons in writing and collaboration have proven to be as important for the peer tutors as they are for those who seek writing guidance and support. Kail is internationally recognized for his writing center research and his Writing Across the Curriculum expertise. In 2004, he received the Maxwell Leadership Award from the National Conference on Peer Tutoring in Writing. As a pioneer in undergraduate research, Kail co-founded the award-winning Peer Writing Tutor Alumni Research Project, which tracks the professional careers of alumni and measures the skills they attribute to their experiences as peer tutors. In addition to his leadership and mentorship in collaborative learning, Kail has taught undergraduate and graduate courses in writing, composition theory, American and maritime literature, storytelling and poetry. Students cite his tireless devotion to their academic success and career aspirations, and how he helped them develop creative problem-solving and critical thinking skills that resonate throughout their lives. Current and former students note the difference Kail made through his mentoring, inspiration, passion for teaching and ability to engage students. Kail received the College of Liberal Arts and Sciences Outstanding Faculty Award in 2008. [caption



id="attachment_54372" align="alignright" width="223"] Daniel Sandweiss[/caption] Sandweiss is an archaeologist with an interdisciplinary focus on the intersection of humans, climate and environment, predominantly in Peru. Much of his pioneering research focuses on early colonization of South America and the origins of El Niño, the Pacific Ocean phenomenon that can affect weather around the globe. Milestones in Sandweiss' work include the discovery of what was until recently the oldest fishing site in the Americas at Quebrada Jaguay in Peru and the excavation of Túcume in Peru — the largest pyramid center in South America. Using archaeological remains as records of past climates, Sandweiss also discovered that El Niño events had varied frequencies during the Holocene (the last 11,400 years). He also shed light on the role of earthquakes and El Niño floods in Peruvian beach-ridge formation, and the effects of the Spanish Conquest on the preservation of these ridges. In 1993, Sandweiss became the first U.S. archaeologist to conduct fieldwork in Cuba following the 1959 Cuban Revolution. Funding for his research has come from the National Science Foundation, National Geographic Society, NASA, the Heinz Charitable Trust and others. Sandweiss has an extensive publication record that includes book chapters, co-authored books and highly cited journal articles. He has authored or co-authored 10 papers in *Science*, four in the *Proceedings of the National Academy of Science*, and one in *Nature*. His contributions to archaeology and science have garnered numerous awards. Among them, the Rip Rapp Archaeological Geology Award from the Geological Society of America in 2016, and the 2015 Research and Creative Achievement Award from UMaine's College of Liberal Arts and Sciences. In 2014, Sandweiss became the first College of Liberal Arts and Sciences faculty member to be elected an American Association for the Advancement of Science (AAAS) Fellow, an honor awarded to those who “advance science, engineering, and innovation throughout the world for the benefit of all people.” Sandweiss has been a member of the UMaine community for 24 years. He holds a Ph.D. from Cornell University. Contact: Margaret Nagle, 207.581.3745

Mechanical engineering professor receives \$500,000 NSF CAREER Award to study human voice production

23 Mar 2017

Creating a better understanding of how humans use and control their voice is the focus of a five-year study being led by a University of Maine researcher. Xudong Zheng, an assistant professor of mechanical engineering, is leading the project that will use computer models to look at the role of mucosal wave propagation in sound production during phonation. His long-term goal is to understand the mechanism that is responsible for the range, complexity and uniqueness of the human voice in order to provide personalized voice care. The National Science Foundation recently awarded Zheng a \$513,523 CAREER grant for his project, "Sound Production by Flow Induced Elastic Wave with Application to Human Phonation." Mammal vocalization is characterized by mucosal wave propagation of the vocal folds that generate an alternative shape of the glottis, the part of the larynx that contains the vocal cords and the opening between them. The movement of the mucous membrane is the flow-induced elastic wave that radiates in the superficial layer of the vocal fold. Through the wave motion, it controls the glottal air pulses, which form the primary sound source of the voice, says Zheng, who adds a universal vibratory pattern of vocal folds exists in nature. Integrated multiphysics computational models will be developed for the study, which will replicate voice production. The models will allow researchers to systematically and quantitatively study the relationship between the mucosal wave properties, glottal flow dynamics and voice outcome. Zheng says the proposed research will contribute to the fundamental understanding of flow-induced sound through flow-structure interaction, and also will advance the knowledge of voice production. The study will allow researchers to develop diagnosis metrics for mucosal wave-related voice diseases, determine the adjustments to the vocal folds to restore or improve a damaged voice, and predict the outcome of the adjustment. This knowledge could help the estimated 17.9 million people in the United States who report having a problem with their voice in the past year, according to the National Institutes of Health. In addition to improving diagnosis and surgical procedure, understanding how mucosal wave propagation affects vocal function can help people who use their voices excessively, such as teachers, singers, actors/actresses, broadcast personalities and telemarketers, by providing them with the knowledge for how to efficiently use and control their voices, Zheng says. He adds the research also could be applied to flow problems beyond voice production, such as the detection and diagnosis of heart murmurs generated by the flow-induced motion of heart valves, and the reduction of noise due to the blade-vortex interactions in wind turbines. The NSF's Faculty Early Career Development (CAREER) Program offers the foundation's most prestigious awards in support of the early career-development activities of those teacher-scholars who most effectively integrate research and education within the context of the mission of their organization. Contact: Elyse Catalina, 207.581.3747

2017 Maine Day parade registration open

23 Mar 2017

The University of Maine Campus Activities & Student Engagement (CASE) is inviting UMaine departments and offices, as well student organizations to sign up for the 2017 Maine Day parade. Each year, Maine Day kicks off with a university-wide parade. This year's parade will begin outside the Emera Astronomy Center at 8:30 a.m. Wednesday, May 3. The theme for this year's Maine Day is Harry Potter. Those interested in entering a float can register [online](#) by 5 p.m. Monday, May 1. Trophies will be awarded to the best department and student organization floats. More about Maine Day, the annual spring clean-up tradition, is [online](#).

Landon speaks with WABI about 'pothole season'

23 Mar 2017

WABI (Channel 5) interviewed Melissa Landon, an associate professor of civil engineering at the University of Maine, for a report about potholes and their prevalence in the state this time of year. Landon told WABI potholes are formed throughout the winter by snow that melts, freezes and thaws. "[You have] snow and then you have ice, and when that melts, if there's cracks in the pavement, that water seeps down into the pavement," she explained. "The ice pushes the soil away and it creates this kind of ice cavity. And when that melts again with warm temperatures, the pavement is no longer supported and then your car drives over it and there isn't the support from the soil underneath and it creates a bigger crack."

CBS News quotes Mayewski in report on dwindling Arctic sea ice

23 Mar 2017

Paul Mayewski, director of the University of Maine's Climate Change Institute, was quoted in the [CBS News](#) report, "Arctic sea ice dwindles to record low for winter." The National Snow and Ice Data Center in Colorado found that in March, the Arctic set a record low for winter peak sea ice area: 5.57 million square miles, according to the article. The record ice melt comes at the end of a season marked by unusually warm temperatures in the Arctic, CBS News reported. During Christmas week, the North Pole soared to about 50 degrees Fahrenheit warmer than normal, a weather pattern Mayewski described as "remarkable," the article states.

BDN reports on technology developed at UMaine to help maintain brain health

23 Mar 2017

The [Bangor Daily News](#) reported on an innovative, wireless home technology, developed at the University of Maine, that could someday take the place of traditional, hard-wired sleep studies in a clinical setting. The technology used in the patented device, known as the SleepMove, has been used to analyze sleep patterns in newborns with opiate dependency, military servicemembers with PTSD and athletes with traumatic brain injury, according to the article. UMaine graduate student Katrina Daigle is using the device to study sleep patterns in a group of older Mainers. "It's just a waterproof type of sheet with pressure sensors in it," she said. "During the night, it picks up all the different kinds of movements [the sleeper] makes, including breathing." For Daigle's study, the sheet is placed under the regular bedding in a patient's home. As sensors in the pad pick up the sleeper's movements and respirations, electronic information is wirelessly transmitted to receivers at UMaine, where it can be analyzed to determine the duration and quality of sleep, the article states. Daigle and her research partners are trying to determine if, in people who already are experiencing a decline in their cognitive function, there is a correlation between the dampening of the coupling system and a more rapid progression to dementia, the BDN reported. Psychology professor Marie Hayes is a faculty adviser to the project; and Ali Abedi, professor of electrical and computer engineering, helped develop the SleepMove technology.

Week of events to celebrate diversity, cultures, faith

24 Mar 2017

Members of the University of Maine community are invited to celebrate the differences that contribute to the campus and surrounding areas during Diversity Week and Islamic Awareness Week, March 27–31. Highlights of Diversity Week, which is put on by the Office of Multicultural Student Life, include a panel discussion and book talk. “Can We Really Coexist: A Multifaith Panel Discussion” will be held from 7–9 p.m. March 29 in Nutting Hall auditorium. Seven panelists will speak about Islam, Judaism, Christianity, Catholicism, Wabanaki spirituality, humanism/atheism and Buddhism. The free public event is organized by the Wilson Center. More information about the panel discussion is [online](#). Paul Kunoni, author of “The Breaking Spears: A culture at crossroads with modernity,” will discuss his journey from his native African Maasai community to UMaine 2–3 p.m. March 30 in the Coe Room of the Memorial Union. For more information about Diversity Week, contact Silvestre Guzmán at 581.1437, silvestre.guzman@maine.edu. Islamic Awareness Week activities will include henna tattoos, Arabic name writing and hijab wrapping at the UMaine Muslim Students’ Association (MSA) table in the Memorial Union Monday through Friday. The “Reasoning With Beauty: Using Reason in an Age of Rage” themed week will end with two keynote presentations 6–9 p.m. March 31 in 100 D.P. Corbett Business Building. AbdelRahman Murphy, of the Qalam Institute, will discuss “Islam and the ‘American Dream’: Courage, Service and Sacrifice.” Ubaydullah Evans, the first scholar-in-residence of the American Learning Institute for Muslims, will present “Citizen Islam: Embracing Faith and Country.” The keynotes are free and open to the public on a first-come, first-served basis. Refreshments featuring tastes from around the world will be served. Islamic Awareness Week is organized by the MSA, Islamic Center of Maine and the Honors College, with support from several UMaine programs. For more about Islamic Awareness Week, email Shiraz Mahmoud, shiraz.mahmoud@maine.edu.

Media report on Pro Day with NFL scouts

24 Mar 2017

The [Bangor Daily News](#), [Portland Press Herald](#), WABI (Channel 5) and WVII (Channel 7) reported on the University of Maine’s football Pro Day. Professional football scouts from the NFL and CFL (Canadian Football League) put nine former Black Bear players through a variety of drills to see if they are potential candidates to be drafted or land a free-agent deal next month, media reported. Among the hopefuls was former defensive lineman Pat Ricard, who plans to follow in the footsteps of Westbrook native Trevor Bates, another former UMaine defensive lineman, WVII reported. Bates was drafted by the Indianapolis Colts in 2016, and was a practice player for the New England Patriots during their 2017 Super Bowl win.

Comins writes article on space tourism for *Mechanix Illustrated*

24 Mar 2017

[Mechanix Illustrated](#) published the article, “Space tourism now and in the near future,” by Neil Comins, a professor of physics and astronomy at the University of Maine. Comins also was interviewed by [ICI Radio-Canada Première](#) about space travel and his latest book, “The Traveler’s Guide to Space: For One-Way Settlers and Round-Trip Tourists.”

VillageSoup reports on Expanding Your Horizons STEM conference for girls

24 Mar 2017

[VillageSoup](#) reported a group of seventh-grade students from Oceanside Middle School in Rockland joined more than 450 middle school girls from around the state at the annual University of Maine conference that aims to provide a safe and encouraging environment to explore science, technology, engineering and math. The 30th Expanding Your Horizons conference took place on the UMaine campus and featured workshops for students and teachers from 25 participating schools, according to the article. Throughout the day, participants were guided by UMaine students and staff through three workshops around campus; two were STEM-related and one focused on gender equity and confidence-building. Students also had the opportunity to meet and hear stories from successful women working in science and math fields throughout the state, VillageSoup reported.

73-year-old who earned UMaine degree featured in *Ellsworth American*

24 Mar 2017

[The Ellsworth American](#) published a feature article on Walter Grenier II, who at 73 years old completed his bachelor’s degree in university studies from the University of Maine earlier this year. The degree comes nearly 56 years after Grenier first enrolled in college at the University of Illinois at Urbana-Champaign in 1961, according to the article. Grenier’s challenge at the time was paying his way through school. “I just ran out of money and I went to work,” the Lamoine resident recalled. In 2009, Grenier retired to live in Maine. Five years later, he got in touch with Barbara Howard, director of the Bachelor of University Studies program at UMaine. “She said based on my age and my background and grades that they would provide a scholarship for me, so I grabbed it,” said Grenier, who took classes in anthropology, film and literature. “The quality of the professors there was the most enriching educational experience I’ve had.”

CityLab quotes DePoy in article on commuting with an ‘invisible’ condition

24 Mar 2017

The Atlantic’s [CityLab](#) quoted Elizabeth DePoy, coordinator of interdisciplinary disability studies and professor of social work at the University of Maine, in the article “Do you know who needs your subway seat?” People dealing with chronic pain, fatigue, dizziness or other health issues may not have any visible symptoms or an assistive device such as a cane or wheelchair, rendering their condition “invisible,” according to the article. “When we think of disability on the public transportation system, we’re really thinking about wheelchairs and people who can’t see,” Depoy said. “When you look at a disability sign, you see a wheelchair, you see a cane, you see an ear, and you see an eye. There’s nothing that says or stipulates policy for anybody else.” This spring, Transport for London (TfL) will issue badges with the message, “Please offer me a seat,” which are intended to be worn by passengers with invisible conditions to encourage others to offer their seats to fellow commuters who may not ‘look’ disabled, the article states.

Erdley speaks with WLBZ about social media’s effect on adolescents

24 Mar 2017

Cynthia Erdley, a psychology professor at the University of Maine, spoke with [WLBZ](#) (Channel 2) for a report about the power of social media among adolescents, including those who run away. Even though social media can often help bring minors home through awareness, it also can be a trigger for them to take off, according to the report. “One way it’s been described is that the accelerator is developing before the brakes,” said Erdley, who added the effects of social media are about brain development, reasoning and a feeling of isolation. “A lot of times the rewards are much higher than the risks; ‘I could meet this exciting person. I could start this great relationship,’” she said. To help keep children safe, Erdley suggests parents simply tune into their child and keep tabs on their media use.

Putnam’s Mongolian Altai expedition featured in Pacific Standard

24 Mar 2017

[Pacific Standard](#) reported on a recent research expedition by Aaron Putnam, assistant professor with the University of Maine Climate Change Institute. Putnam traveled to Mongolia to develop a chronology of glacial retreat, taking samples from granite boulders that were once suspended in ice in the Altai Mountains, according to the article. Back at UMaine, Putnam will measure the accumulated cosmogenic radiation on the surface of granite boulders scattered in the area to derive a date for the end of the ice age. A clear chronology of glacial recession can help researchers improve scientific models that predict how anthropogenic climate change will affect future societies, the article states.

AP reports on Zheng’s voice production study, \$500,000 NSF CAREER grant

24 Mar 2017

The Associated Press reported Xudong Zheng, an assistant professor of mechanical engineering at the University of Maine, has been awarded more than a half million dollars from the National Science Foundation to study the human voice. The project will use computer models to look at sound production. Zheng says better understanding of vocal function can improve diagnosis and surgical procedures, as well as help people such as singers, telemarketers and broadcasters. His long-term goal is to understand the mechanism that is responsible for the range, complexity and uniqueness of the human voice in order to provide personalized voice care. [U.S. News & World Report](#), Maine Public, WLBZ (Channel 2) and [Argus-Press](#) of Missouri carried the AP report. WABI (Channel 5) also interviewed Zheng about the project.

Maine entrepreneurs Heather and Abe Furth to give UMaine’s 2017 Commencement address

27 Mar 2017

Maine entrepreneurs Heather and Abe Furth will be the Commencement speakers for the University of Maine’s graduation ceremonies on May 13. UMaine’s 215th Commencement will feature morning and afternoon ceremonies starting at 9:30 and 2:30. The Furths will address both ceremonies. [caption



id="attachment_54550" align="aligncenter" width="600"]

Heather and Abe Furth[/caption] The Orono couple met at UMaine in 1999 when Heather was studying biology and Abe was studying English. In the past decade, they have founded restaurants, a brewery and a property development company. “Heather and Abe’s vision, passion and innovation make them inspirations for us all, especially members of UMaine’s Class of 2017,” says UMaine President Susan J. Hunter. “We look forward to hearing their perspectives on success and engagement — two of the hallmarks that have made them leaders in our community and in the state.” The Furths are committed to creating thriving downtown communities through business creation and property redevelopment. In 2005, the couple and another UMaine alumnus, Mark Horton, started an Orono restaurant, Woodman’s Bar & Grill. The Furths were 23 years old. In 2008, a year after Abe earned his bachelor’s degree from UMaine, the couple purchased and developed their first commercial property — 2 Mill Street in Orono — and founded their second restaurant, Verve, the following year. Verve now has two locations — Orono and Bangor. The Furths founded Orono Brewing Company in Orono in 2014, and two years later also opened a Bangor location. In addition, in 2012 and 2015, the couple purchased and developed properties on Main Street and on State Street in Bangor. Contact: Margaret Nagle, 207.581.3745

Augusta conference to spotlight Maine sustainability issues

27 Mar 2017

From sessions on climate action and solid waste to ocean acidification and green infrastructure, the 2017 Maine Sustainability & Water Conference will feature an expanded agenda on topics affecting Maine, New England, the country and the globe. The event will be held Thursday, March 30 at the Augusta Civic Center and will include two concurrent sessions — a student poster session and a keynote talk. Aram Calhoun, a professor of wetland ecology at the University of Maine, will deliver the keynote presentation, “Conserving Vulnerable Wetlands and Watersheds: A Portfolio Approach.” The conference will feature a poster competition with more than 40 high school, undergraduate and graduate students participating from across Maine. Presentations will represent research on topics such as lead and arsenic in drinking water, native pollinator gardens, pollution closures in the clam fishery, solutions for waste management reduction, and sustainability in Maine’s lobster fishery. Founded in 1994 by the Senator George J. Mitchell Center at the University of Maine, the event is the largest conference in Maine focused on issues at the intersection of economic development and environmental stewardship. Registration and more information is [online](#). For additional questions, contact David Sims at 581.3244, david.sims@umit.maine.edu.

‘Great Colleges’ survey at UMaine

27 Mar 2017

As Maine’s flagship university, the University of Maine is constantly gauging its success in the pursuit of excellence in its mission of teaching, research and public engagement. One such measurement comes from The Chronicle of Higher Education’s “Great Colleges to Work For” Project. UMaine has joined this program, which features an employee survey to help build the best learning community possible. The results also will be included in a national survey designed to recognize institutions that have built great workplaces. On March 13, the survey was distributed to a random selection of UMaine employees. Those invited to participate received an email from “Great Colleges” with instructions on how to provide input. Those who received the invitation are encouraged to complete the online survey. Your feedback is invaluable. The survey is voluntary and confidential; UMaine will receive only anonymous and aggregate responses processed by an independent management consulting firm. For more information, contact Dori Pratt, UMaine senior human resources partner and survey coordinator at dorianna@maine.edu, 581.3732.

Maine Accelerates Growth, Top Gun program cited in Maine Community Foundation article

27 Mar 2017

The Maine Community Foundation published an article on Tristan Corriveau, an entrepreneur from Harpswell who founded The One Gallon Soap Co. in Scarborough. His fledgling company, which recycles used bars of soap into liquid hand soap, began a year ago in his basement, according to the article. Corriveau said he has found plenty of support in his home state. In February, he joined 37 other entrepreneurs for the 2017 Top Gun class. The program, administered by the Maine Center for Economic Development, pairs high-potential entrepreneurs with mentors for networking, weekly classes, and a final business competition, the article states. The center, along with the Maine Technology Institute and University of Maine innovation engineering programs, are fueling the state’s economic growth through Maine Accelerates Growth (MxG), a fund partnership with the Maine Community Foundation.

Student quoted in Press Herald article on systemwide tuition increase

27 Mar 2017

Samuel Borer, a junior at the University of Maine studying physics and math, was quoted in a [Portland Press Herald](#) article about how students in the University of Maine System are likely to see an increase in tuition and fees this fall, the first hike in six years. The trustees will vote on the increase, first proposed last year, at their May meeting as part of the budget, according to the article. Several student representatives to the board of trustees said students on their campuses know about the pending increase and aren’t that upset about it, the article states. “When you show students the data, they understand it,” Borer said. “It came down to people understanding what was happening.” Borer also was quoted in a [Bangor Daily News](#) article on the tuition increase.

Flagship Match cited in Santa Fe New Mexican editorial on college affordability

27 Mar 2017

The University of Maine’s Flagship Match tuition scholarship program was mentioned in the [Santa Fe New Mexican](#) editorial, “Use affordability as a selling point.” “An interesting experiment is taking place in Maine,” the article states, pointing to the UMaine program that guarantees academically qualified, first-year students from several states will pay the same tuition and fee rate as their home state’s flagship institution. “We might try an experiment to allow in-state tuition at one of the smaller universities for all students, and start recruiting nationwide,” the editorial states.

Yarborough quoted in Maine Public report on plummeting blueberry prices

27 Mar 2017

David Yarborough, a wild blueberry specialist with University of Maine Cooperative Extension, was quoted in a Maine Public report about how blueberry growers in the state are struggling with plummeting prices. Yarborough said the berries can be roughly categorize into two groups: cultivated, or “highbush,” and wild, or “lowbush.” Wild blueberries, those found only in Maine and parts of Canada, are smaller, have a more complex flavor and contain higher levels of antioxidants than their cultivated high bush cousins, he said. Other countries have recently boosted cultivated berry efforts, which are now competing with wild berries, according to the report. Yarborough said some wild blueberry growers will likely be forced out of business while others will try to hang on until prices turn around. He said if consumers buy and eat more Maine wild blueberries, it will help turn the market around. The Maine Public report was published by the [Bangor Daily News](#) and cited by the Associated Press and [Mainebiz](#). The [Portland Press Herald](#) carried the AP report.

UMaine program that connects students with older adults featured in BDN

27 Mar 2017

The [Bangor Daily News](#) published a feature article on Project Generations, a new program at the University of Maine that connects college students with

older residents in Greater Bangor for their mutual benefit. The program is informally modeled after a program that was founded at Ithaca College and now has a chapter at Cornell University in New York. UMaine social work student Chloe Gray of Gorham volunteered with the program when she spent her freshman year at Ithaca, according to the article. “After I transferred to UMaine, I was looking for a way for students to reach out to the larger community and meet other people — especially people who might need us,” Gray said. With support from the Maine Center on Aging at UMaine and Eastern Area Agency on Aging, she decided to start a group on the Orono campus, with guidance from but no official connection to the program at Ithaca, the article states. College students don’t have much opportunity to interact with older adults on a casual, personal level, Gray said. “I would love to see this get really huge,” she said of the program that currently has 14 student volunteers who are paired with elders in the community. “I want this to help break down the disconnect between my generation and older adults.”

Media cover largest Accepted Student Day

27 Mar 2017

[WABI](#) (Channel 5) and [WLBZ/WCSH](#) (Channels 2 and 6) reported on the largest Accepted Student Day held at the University of Maine. A record 3,300 prospective students and their families were on campus March 25 for information sessions, tours and presentations. “It’s a challenge for us; it’s a great kind of problem for us to have,” Jeffrey Hecker, UMaine’s executive vice president for academic affairs and provost, told WLBZ about the large turnout. “We’re thrilled that so many people are interested in UMaine.” Joel Wincowski, the vice president for enrollment management at UMaine, told WABI the day allows prospective students to get a “good feel for whether they want to attend UMaine.”

Washington Post reporters to discuss why journalism is vital

28 Mar 2017

The Department of Communication and Journalism will welcome The Washington Post reporters Jessica Contrera and Katie Mettler as visiting journalists March 29–31 as part of the Alan Miller Fund for Excellence in Journalism. In addition to meeting students and visiting journalism classes, they will give a free public talk titled, “Clickbait, Fake News, and the Fourth Estate: Why Journalism is More Vital Than Ever,” 2–3:30 p.m. Thursday, March 30, in Wells Conference Center. A reception with refreshments will follow 3:30–5 p.m.

College of Education and Human Development sponsors Literacy Tea fundraiser

28 Mar 2017

The University of Maine College of Education and Human Development is again sponsoring Literacy Volunteers of Bangor’s Literacy Tea fundraiser. The idea for the event came from Susan Bennett-Armistead, an associate professor of literacy at UMaine, whose mother-in-law held literacy teas in Michigan. Bennett-Armistead organized the first literacy tea in Bangor when she served on the board of directors for Literacy Volunteers, which provides free English language tutoring to about 300 adults. This year’s Literacy Tea will be held at John Bapst Memorial High School from 3 to 5 p.m. Sunday, April 2. More information is available on the Literacy Volunteers of Bangor [website](#). A full news release also is [online](#).

UMaine mentioned in BDN report on how federal budget cuts might affect universities

28 Mar 2017

A statement from the University of Maine was included in the [Bangor Daily News](#) article on the impact of proposed federal budget cuts. Maine’s public university system and its researchers are keeping a close eye on the federal budget after many federal agencies that support university research and projects were targeted for significant cuts under the preliminary federal budget, according to the article. “It is still early in the federal budget process and there are no specifics on what or how funding cuts might affect University of Maine projects and programs,” the UMaine statement reads. “We are concerned about the potential impact that cuts to federal agencies may have on UMaine academic, research and service programs, and are closely monitoring legislative action on the federal budget proposals.” [Maine Public](#) also published the BDN report.

Free Press advances info session on FDA produce safety rule

28 Mar 2017

[The Free Press](#) reported Maine Coast Heritage Trust and Knox-Lincoln Soil & Water Conservation District will sponsor an informational session for producers and growers on the FDA Food Safety Modernization Act Produce Safety rule from 6 to 7:30 p.m. Thursday, April 6, at the Knox-Lincoln Cooperative Extension Office in Waldoboro. The event is free and open to the public. David Handley, a University of Maine Cooperative Extension specialist of vegetables and small fruits with more than 30 years of experience, will address produce safety, farm food safety best practices, and upcoming regulations, according to the article.

Coffin speaks with Press Herald about increasing popularity of backyard chickens

28 Mar 2017

Donna Coffin, a University of Maine Cooperative Extension educator and professor, was quoted in the [Portland Press Herald](#) article, “Here’s what you need to know if you’re planning to fill your yard with baby chicks.” According to the USDA, major cities in 40 states permit urban chickens. In Maine, several cities have debated the idea of backyard chickens and approved chicken ordinances, according to the article. When the backyard chicken revival started 10 to 15 years ago, it was more about the eggs and teaching children about farm life, the article states. “Some of it is that people want to know where their food is coming from,” Coffin said. “Some of it is they want to have a family project that can help teach kids responsibility and an appreciation for other life-forms; to give them some compassion.”

Martin quoted in BDN article on Maine summer camps

28 Mar 2017

Ken Martin, an assistant professor of literacy education at the University of Maine, spoke with the [Bangor Daily News](#) for an article about the state's many youth summer camps. Martin is director of the Maine Writing Project and coordinator of its Young Authors Camps, which offers weeklong immersive creative writing camps at seven locations across eastern and central Maine, according to the article. "It's an opportunity to immerse yourself in a particular thing. In most cases, it's driven by the kid. It's the kid that wants to do it. They want to be with other kids who want to do the same things they want to do," Martin said. "I think that's a big reason why we get such a phenomenal return rate at the Young Authors Camp. They keep coming back because they really enjoy it."

School Band and Orchestra names White one of 50 music directors who make a difference

28 Mar 2017

[School Band and Orchestra](#) magazine included Christopher White, director of sports bands and a lecturer in music at the University of Maine, in its 19th annual list of "50 directors who make a difference." An interview with White was included in the December 2016 issue of the magazine. "There are two things we always want to strive to do well: to make a great first impression and to make a great last impression. This applies not only to a performance, but to everything we do in life," said White, who has been teaching for 29 years. "If we remember that, we will always do well."

UMaine to receive \$640,038 from NCAA for student-athletes, BDN reports

28 Mar 2017

The [Bangor Daily News](#) reported the University of Maine Department of Athletics is expected to receive a \$640,038 allocation from the NCAA. One-time payouts totaling \$200 million to nearly 350 Division I schools around the country stem from the liquidation of an NCAA quasi-endowment valued at more than \$360 million, according to the article. Each NCAA Division I program will receive an allocation from the fund based on the number of athletic scholarships it provided during the 2013–14 academic year. UMaine's award is based on 194.47 scholarship grants, the BDN reported. A working group of Division I presidents developed guidelines for use of the funds with the payouts to be dedicated to benefiting student-athletes in the areas of academic support, life skills and career success, diversity and inclusion initiatives, and health and well-being, the article states. "The unique part of this one-time distribution is that it has to be used for enhanced or new programming," said UMaine Director of Athletics Karlton Creech. "They've been very careful to craft this so that schools don't just use this money to fill a budget gap. They've laid out pretty specific parameters for how the money is to be spent and by when."

WLBZ reports on 2017 Commencement speakers

28 Mar 2017

[WLBZ](#) (Channel 2) reported Maine entrepreneurs Heather and Abe Furth will be the Commencement speakers for the University of Maine's graduation ceremonies on May 13. The Orono couple met at UMaine in 1999 when Heather was studying biology and Abe was studying English. In the past decade, they have founded restaurants, a brewery and a property development company in Orono and Bangor. "Heather and Abe's vision, passion and innovation make them inspirations for us all, especially members of UMaine's Class of 2017," said UMaine President Susan J. Hunter. "We look forward to hearing their perspectives on success and engagement — two of the hallmarks that have made them leaders in our community and in the state." This will be UMaine's 215th Commencement and it will feature both morning and afternoon ceremonies. The Furths will address both ceremonies.

Fifteen UMaine faculty members receive tenure and/or promotion

28 Mar 2017

Tenure and/or promotion for 15 University of Maine faculty members has been approved by the University of Maine System Board of Trustees. The faculty members were nominated by UMaine President Susan J. Hunter based on a peer and administrative review of their successful teaching, research and public service. "The excellence and leadership demonstrated by these faculty members are reflected in their work with students in and out of the classroom, their highly regarded achievements in their academic disciplines, and the difference their contributions make in Maine and beyond," says Hunter. **Promoted to Professor** *College of Liberal Arts and Sciences*

- Mitchell Bruce, Chemistry
- Jack Burt, Music
- David Hiebeler, Mathematics

College of Natural Sciences, Forestry, and Agriculture

- Jessica Leahy, Human Dimensions of Natural Resources

Promoted to Associate Professor with Tenure *College of Education and Human Development*

- Jonathan Shemwell, Science Education

College of Liberal Arts and Sciences

- Robert Glover, Political Science and Honors
- Sarah Harlan-Haughey, English and Honors
- Gregory Howard, English
- Jordan LaBouff, Psychology and Honors
- Mackenzie Stetzer, Physics

College of Natural Sciences, Forestry, and Agriculture

- Heather Hamlin, Marine Sciences
- Sean Smith, Watershed Modeling

Granted Tenure at Current Rank of Associate Professor *College of Education and Human Development*

- Janet Fairman, Education

College of Natural Sciences, Forestry, and Agriculture

- Lee Karp-Boss, School of Marine Sciences

Maine Business School

- Grant Miles, Management

Contact: Margaret Nagle, 207.581.3745

Brie Berry: Ph.D. student exploring Maine's reuse economy

28 Mar 2017

University of Maine Ph.D. student Brie Berry's interest in sustainability was sparked during the two years she spent in a rural area of the West African Republic of Mali as a Peace Corps volunteer. "I joined the Peace Corps to experience what it was like to live in another place with a very different culture," says Berry, who earned a master's degree in urban affairs from Hunter College. "I worked as an agricultural extension volunteer providing support to communities doing composting, fish farming and ecotourism." It was Berry's experience in Mali that provided her with the foundation for her current research at UMaine and led her to the Senator George J. Mitchell Center for Sustainability Solutions. "There's a strong culture of reuse in Mali and it was amazing to see the things people were using over and over again," she says. "Street vendors sold sweet potato fries that were wrapped in children's old homework assignments and people would strip bike tire tubes and sell them as bungee cords. Everything that could be was used again." Berry says her time in Mali made her question her own waste practices. She spent the next eight years exploring various aspects of sustainability and getting as many diverse experiences as she could. "I wanted to see what was happening in the broad spectrum of sustainability — what aspects were most interesting to me and how I might be able to make the biggest impact in pursuing sustainability work," she says. Berry ended up sharply focused on the reuse of materials and is currently working as a member of the Senator George J. Mitchell Center for Sustainability Solutions' Materials Management team. Berry's adviser is fellow team member Cindy Isenhour, a UMaine assistant professor of anthropology and Mitchell Center associate. One aspect of Isenhour's research is Maine's [reuse economy](#). The full profile on Berry and her research is available on the Mitchell Center's [website](#). Contact: David Sims, 581.3244

UMaine Miracle Network Dance Marathon April 1

29 Mar 2017

The 12-hour University of Maine Miracle Network Dance Marathon will be held from 1 p.m. Saturday, April 1 to 1 a.m. Sunday, April 2 at the New Balance Student Recreation Center on campus. Since 2012, the annual event has raised more than \$275,000 to help area hospitals support local children. The event, which in 2015 became the largest community fundraiser on campus, raised \$75,235.55 last year for EMHS Foundation Children's Miracle Network Hospitals, including Eastern Maine Medical Center in Bangor. About 375 participants currently are registered and fundraising for the event. This year, UMaine student organizers are focusing on having a fun celebration for local children. The carnival-theme event will be open to community members for \$25 per family. Additional theme hours will be held throughout the evening: 8 p.m. Mardi Gras, 9 p.m. Hawaiian Luau, 10 p.m. Superhero, and 11 p.m. Neon Rave. More information, including how to donate and register, is on the event's [website](#) and [Facebook](#) page.

Press Herald cites UMaine study in report on southern Maine food waste collection

29 Mar 2017

A 2011 waste characterization study by the University of Maine School of Economics was cited in a [Portland Press Herald](#) article about the launch of the state's first municipal food waste collection programs. The two pilot programs will offer free, weekly curbside pickup of food scraps in select South Portland and Scarborough neighborhoods. Based on the results, the programs could expand in both cities, potentially providing a model for other southern Maine communities, according to the article. The UMaine study found food waste makes up almost 28 percent of household trash in Maine, the article states.

Glover writes BDN op-ed on private prison industry

29 Mar 2017

Robert Glover, an assistant professor of honors and political science at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled "Trump wants a huge giveaway for the private prison industry." Glover also 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 harvesting tips included in AlterNet article on fiddleheads

29 Mar 2017

Guidelines published by the University of Maine Cooperative Extension were included in the [AlterNet](#) article, "Why fiddlehead ferns are the new superfood

you have to try this spring.” The article cites a [bulletin](#) written by David Fuller, an agriculture and nontimber forest products professional with UMaine Extension, that offers advice for identifying and picking ostrich fern fiddleheads. UMaine Extension’s “Identifying and Harvesting Fiddleheads” [video](#) also was included in the post.

Times Record advances Mayewski talk

29 Mar 2017

[The Times Record](#) reported Paul Mayewski, director of the University of Maine’s Climate Change Institute, will be the featured speaker at the UMaine Mid Coast Alumni Chapter’s annual Maine Spirit Spring Dinner. Mayewski has led more than 55 expeditions and has been the recipient of numerous scientific and academic awards from institutions throughout the world, the article states. His most recent book is “Journey Into Climate.” The event will be held at 5:30 p.m. March 30 at Kennebec Tavern in Bath. Registration is [online](#).

Ippolito answers questions about social media on Maine Public’s ‘Maine Calling’

29 Mar 2017

Jon Ippolito, a new media professor at the University of Maine, was a recent guest on [Maine Public](#)’s “Maine Calling” radio program. The show focused on the value and pitfalls of today’s social media.

UMaine-led team predicts increasing decline of hemlock as winters warm

29 Mar 2017

Land managers in New England and eastern New York state have a new tool to help identify eastern hemlock stands at greatest risk for rapid growth decline by evaluating stresses on the trees, including response to the hemlock woolly adelgid and changes resulting from a warming climate. Today, an estimated 26 percent of the region’s hemlock stands are at high risk. As winters get warmer, the decline will increase, with 43 percent of stands expected to be at high risk, according to a research team led by University of Maine Associate Professor of Forest Resources William Livingston. The researchers’ comprehensive landscape model maps the varied response to the invasive Asian insect across the Northeast, and identified the site characteristics of stands with the highest potential for tolerance and recovery in order to prioritize management efforts. Eastern hemlock is a towering foundational species in eastern North American forests valued from southern Canada to Alabama and as far west as Minnesota. But since the mid-20th century, eastern hemlock that can live more than 500 years have been increasingly threatened by the hemlock woolly adelgid that can kill a tree within four years by feeding on its needles and branches, preventing new growth. Using changes in tree rings — basal area increment (BAI) measurement — in mature hemlock, the researchers quantified annual growth decline in 41 hemlock stands across New England representing a range of infestation density and duration, and species vigor. The model also was applied to 15 hemlock sites in Massachusetts. Among the findings of the research team using the growth decline metric: Eastern hemlock sited on steeper slopes with increased exposure to solar radiation and warmer January minimum temperatures have a greater probability of experiencing rapid decline. The results of the study, which involved researchers from UMaine, the University of Vermont and LandVest Inc., in Portland, Maine, were published in the journal *Biological Invasions*. Contact: Margaret Nagle, 207.581.3745

Comins to host space travel physics colloquium March 31

30 Mar 2017

“Space Travel in the Near Future,” a physics colloquium by University of Maine professor Neil Comins, author of the new book, “The Traveler’s Guide to Space: For One-Way Settlers and Round-Trip Tourists,” will be held at 3:15 p.m. March 31 in 140 Bennett Hall. More about the Department of Physics and Astronomy Colloquia Series is [online](#).

Phi Kappa Phi 120th anniversary celebration, induction ceremony April 4

30 Mar 2017

Phi Kappa Phi, the nation’s oldest and most selective multidisciplinary collegiate honor society which was founded at the University of Maine, will celebrate its 120th anniversary during its annual induction ceremony April 4. The top 10 percent of senior undergraduate and graduate students, and top 7.5 percent of juniors were invited to join the society. In addition to more than 112 top students, seven distinguished faculty/staff members and two alumni also will be initiated during the official ceremony that will begin at 5 p.m. in Wells Conference Center. The event will include a keynote speech by Brianna Hughes, a UMaine alumna who works at Ocean Spray, a company that was formed through cranberry cooperatives organized by Phi Kappa Phi co-founder Marcus L. Urann. Phi Kappa Phi was founded in 1897 at UMaine by 10 seniors led by Urann in an effort to start an honorary society that recognizes outstanding students, faculty and staff from all disciplines. In 1900, the University of Tennessee and Pennsylvania State University joined the society originally named Lambda Sigma Eta Society, making it a national society. Phi Kappa Phi has since grown to an international society with more than one million members from more than 300 campuses across the United States, Puerto Rico and the Philippines. All student, faculty and staff members of Phi Kappa Phi are invited to attend. To RSVP, email cugr@maine.edu. More about Phi Kappa Phi — Chapter 1 is [online](#).

Blackstone’s research included in BDN article on choosing not to have children

30 Mar 2017

Amy Blackstone, a sociology professor at the University of Maine, spoke with the [Bangor Daily News](#) for an article about why some Maine residents choose not to have children. Blackstone, who does not have children, has been interviewing other adults who have decided not to become parents and is working on a book about her research, according to the article. She and her husband also maintain the blog, “We’re {not} having a baby! childfree adventures in a child-centric world.” Data from the U.S. Census Bureau’s Current Population Survey show that in 2014, 47.6 percent of women between age 15 and 44 had never had children, an increase from 46.5 percent in 2012. Blackstone told the BDN she credits the feminist movement of the previous generation with making it easier for women her age and younger to view motherhood as an option instead of an assumption. But, she cautioned, that progress is not secure. “If we’re

still having the conversation about whether women have the right to control their own fertility, we're clearly still at risk," Blackstone said.

Student speaks with WABI about UMaine Miracle Network Dance Marathon

30 Mar 2017

Allyssa Torrey, a University of Maine student and president of the UMaine Miracle Network Dance Marathon, visited the studio of WABI (Channel 5) to talk about the upcoming 12-hour fundraiser to help area hospitals support local children. The dance marathon will be held from 1 p.m. Saturday, April 1 to 1 a.m. Sunday, April 2 at the New Balance Student Recreation Center. Since 2012, the annual event has raised more than \$275,000 for EMHS Foundation Children's Miracle Network Hospitals, including Eastern Maine Medical Center in Bangor. "You really see the impact that goes toward the kids when you fundraise this type of money," Torrey said. "It really focuses on the kids in our community and what [we can do] to get them to feel better." This year, UMaine student organizers are focusing on having a fun celebration for local children. "Making the kids feel like rock stars is basically the goal of the event," Torrey said. The carnival-theme event will be open to community members for \$25 per family and will feature bounce houses, carnival games, archery tag, food and dancing, according to the report.

UMaine Army ROTC receives General Douglas MacArthur Award, WWII reports

30 Mar 2017

[WVII](#) (Channel 7) reported the University of Maine Army Reserve Officers Training Corps (ROTC) recently was awarded the prestigious General Douglas MacArthur Award. UMaine was one of eight schools, selected from among the 275 senior Army ROTC units nationwide, as the top programs in the country. The award is based on a combination of the achievement of the school's commissioning mission, its cadets' performance and standing on the command's National Order of Merit List, and its cadet retention rate. "Ultimately the goal for us is to produce good cadets and good lieutenants for future leaders of America, and if I'm doing that, then I'm successful. This is just a little bit of icing on the cake," said Lt. Col. Mike Davis, professor of military science with UMaine Army ROTC.

Media report on team's prediction that warming planet will harm hemlock

30 Mar 2017

The Associated Press and [Maine Public](#) reported a team of University of Maine researchers has predicted that hemlock trees will be at risk of accelerated decline as winters warm in the Northeast. Today, an estimated 26 percent of the region's hemlock stands are at high risk. As winters get warmer, the decline will increase, with 43 percent of stands expected to be at high risk, according to the team led by William Livingston, an associate professor of forest resources. "Because the model we had was something where we could vary the temperature, we warmed up winter temperatures by 2 degrees and found that, yes, that decline of hemlock then started creeping northward," Livingston told Maine Public. Eastern hemlocks are towering trees that grow from southern Canada to Alabama. The trees have economic value as they're used in the lumber industry, the AP reported. [U.S. News & World Report](#) and [WLBZ](#) (Channel 2) carried the AP report.

UMaine Extension, Maine CDC to offer tick- and mosquito-borne disease training

31 Mar 2017

The University of Maine Cooperative Extension and Maine Center for Disease Control and Prevention are offering multiple sessions on tick- and mosquito-borne diseases. The training is designed to increase the number of community members who are informed about diseases spread by mosquitoes and ticks. Sessions will focus on insect identification and exposure prevention. People who work with outdoor groups, 4-H and scout leaders, school nurses, health officers, camp counselors, librarians and garden coordinators are encouraged to attend a free session. The training will be available throughout the state beginning 4:30–6:30 p.m. April 6 at the UMaine Extension office, 24 Main Street, Lisbon Falls. Additional scheduled sessions include:

- 8:30–11:30 a.m. April 13, Ellsworth
- 9:30 a.m.–noon April 19, Rockland
- 2–4:30 p.m. June 5, Falmouth
- 6–8 p.m. June 14, Wells

Registration is required and available online. Sessions may be added. For more information or to request a disability accommodation, contact Hannah Ruhl at 207.780.4124, hannah.ruhl@maine.edu.

VillageSoup previews Warren talk on pruning trees, shrubs

31 Mar 2017

[VillageSoup](#) reported the Warren Historical Society will host a free talk on pruning trees and shrubs at 7 p.m. Tuesday, April 4. The talk will be led by Liz Stanley, who coordinates adult and youth gardening programs for the University of Maine Cooperative Extension in Knox, Lincoln and Waldo counties. Stanley will discuss how to evaluate plants, improve form, increase flowering and fruiting, lower pest and disease pressure, repair damage and enhance overall health, according to the article. She also will review different types of pruning methods, tools and the types of cuts to use, and when to contact a licensed arborist. After the illustrated talk, the floor will be open to general gardening questions, the article states.

The Weekly reports on Schonberger's induction into Maine Women's Hall of Fame

31 Mar 2017

The Weekly reported on the 28th annual Maine Women's Hall of Fame celebration held in March at the University of Maine at Augusta. Ann Schonberger, a former mathematics professor and director of what was then called the Women's Studies Program at the University of Maine, was honored during the event.

Schonberger also is a faculty emerita member with the Women's, Gender, and Sexuality Program. "Dr. Ann Schonberger has spent her career working tirelessly to advance the cause of women and girls in Maine. Both in her work at the University of Maine and in her three-plus decades of volunteerism at Spruce Run, Maine's first domestic violence organization, Ann has been an incubator of feminist leadership for our state," read the biography used to introduce Schonberger during the induction ceremony. The Hall of Fame is dedicated to women whose achievements have had a statewide impact and significantly improved the lives of women in Maine, the article states.

WLBZ cites economic impact study in report on proposed Bar Harbor cruise ship hub

31 Mar 2017

An economic impact study conducted by the University of Maine was mentioned in a WLBZ (Channel 2) report about the town of Bar Harbor's proposal to turn one of its ferry terminals into a cruise ship hub. Town officials want to buy the ferry terminal off Eden Street from the state and create a maritime activities district, according to the report. Hundreds of thousands of Bar Harbor's visitors come into town by way of the many cruise ships that service the area annually, WLBZ reported, citing the UMaine study that found cruise ship passengers spent \$20.2 million in Bar Harbor last year.

WVII advances fifth annual Literacy Tea fundraiser

31 Mar 2017

[WVII](#) (Channel 7) reported the Literacy Volunteers of Bangor's Literacy Tea fundraiser will be held at John Bapst Memorial High School from 3 to 5 p.m. April 2. The fifth annual event is sponsored by the University of Maine College of Education and Human Development. The idea for the event came from Susan Bennett-Armistead, an associate professor of literacy at UMaine, whose mother-in-law held literacy teas in Michigan. Bennett-Armistead organized the first literacy tea in Bangor when she served on the board of directors for Literacy Volunteers, which provides free English language tutoring to about 300 adults.

Media report on UMaine Sports Hall of Fame inductees

31 Mar 2017

The [Bangor Daily News](#) reported the University of Maine Sports Hall of Fame will induct an eight-member class this fall, including the first team inductee to the 187-member hall. Honorees include the 1993 Men's Ice Hockey National Championship team, National Football League (NFL) veteran Mike DeVito, multi-record setting swimmer Charles "Chuck" Martin, state champion runner Daniel Rearick, 1964 College World Series All-Tournament selection David Thompson, broadcasting legend Gary Thorne, nine-time America East individual champion Vicki Tolton, and 2009 America East softball player of the year Ashley Waters, the BDN reported. The Class of 2017 was selected by the M Club and approved by UMaine President Susan J. Hunter and Director of Athletics Karlton Creech. The induction dinner and ceremony will be held Sept. 8. WABI (Channel 5) and WVII (Channel 7) also reported on the inductees.

WVII covers multifaith panel discussion

31 Mar 2017

[WVII](#) (Channel 7) reported on "Can We Really Coexist: A Multifaith Panel Discussion" that was held on campus as part of University of Maine Diversity Week. Panelists spoke about a range of beliefs to inform and spark discussion, according to the report. "What unites us is way, way bigger than what separates us," said UMaine graduate student Prosper Ishimwe. The free public event was organized by the Wilson Center. "There are moments where we have beliefs that conflict, or difficult times, and we thought it would be nice tonight to have a panel where we could talk in a deep and thoughtful and caring way about what we do at those moments; how we go forward together," said Sarah Marx, director of the Wilson Center.

Hornsby's latest book featured in National Geographic

31 Mar 2017

"Picturing America: The Golden Age of Pictorial Maps," the latest book by University of Maine geographer Stephen Hornsby was featured in the [National Geographic](#) article, "Geography isn't sacred in the playful world of pictorial maps." Pictorial maps thrived in the United States from the 1920s to the '60s, according to Hornsby, director of the Canadian-American Center and professor of anthropology and Canadian studies at UMaine. "They're a manifestation of the enormous vibrancy of American popular culture," he said. Many of the maps featured in his book were made by companies and printed on posters or brochures as a form of advertising. Some are geographically accurate; others skew geography for the sake of simplicity or to make a point, the article states. "They are great fun," Hornsby said. "They reflect a pride in community and the usual American cheerful optimism, which is very appealing." [Fine Books & Collections](#) also published an article on the book.

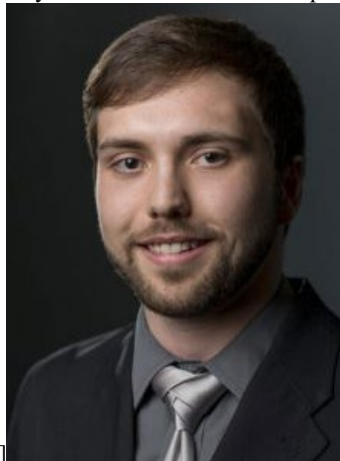
UMaine 2017 valedictorian, salutatorian earning a total of four degrees

03 Apr 2017

Editor's note: Story updated April 20. Allyson Eslin of Bangor has been named the valedictorian and Joshua Patnaude of Sanford the salutatorian at the University of Maine for 2017. Between them, the two top students will receive a total of four degrees at UMaine's 215th Commencement in Harold Alfond Sports Arena May 13. Eslin, who is also an honors student, will receive a bachelor's degrees in economics and a bachelor's degree in political science with an additional major in psychology; Patnaude, who also is the Outstanding Graduating Student in the College of Engineering, will receive two degrees in computer engineering and electrical engineering. Both have been at UMaine for four years. "The accomplishments of Allyson and Joshua are second to none," says University of Maine President Susan J. Hunter. "We celebrate their exceptional academic achievement, their commitment to engaged learning and their dedication to making the world a better place through service. They truly represent the UMaine mission and what it means to take full advantage of the student experience at Maine's public research university." Valedictorian and salutatorian are the highest honors that recognize students for outstanding academic achievements, and for contributions to UMaine and beyond. Candidates nominated from each UMaine college are evaluated on the strength, breadth and rigor of their academic achievements, evidence of intellectual promise, character, service and other accomplishments. [caption id="attachment_54397"



[caption id="attachment_54398" align="alignright" width="223"] Allyson Eslin[/caption] Eslin's numerous academic honors include the John M. Nickerson Scholarship and the Margaret Chase Smith Public Affairs Scholarship. She was a Madigan Congressional intern in the Washington, D.C. office of Sen. Angus King in spring 2016, and served as editor-in-chief of The Maine Campus and chair of the Political Activism Committee of Student Government. Eslin also participated in the Maine NEW Leadership and Elect Her programs, and is a member of All Maine Women. She conducted research in each of her majors, including projects focused on sustainability and the environment. Eslin has served as an undergraduate research assistant in the departments of anthropology and economics. Her research poster, "The Impact of Economic and Psychological Metrics on Political Decision Making," was awarded a third-place prize at the 2016 UMaine Student Research Symposium. Her honors thesis is "The Economic and Psychological Metrics of Political Decision-Making." In her senior year, Eslin began coursework for a dual master's degree in global policy and economics at UMaine. When she completes her graduate work in two years, she plans to attend law school with the goal of joining the FBI as an analyst or translator. Her career plans also include serving as a state or federal legislator.



[caption id="attachment_54398" align="alignright" width="223"] Joshua Patnaude[/caption] Patnaude is a first-generation college student and a 2013 Mitchell Scholar with numerous honors for academic achievement, including a Maine Space Grant Award. He has held internships every summer of his academic career, working at Great Works Foundation Inc. in Sanford; Pratt & Whitney in North Berwick; Portsmouth Naval Shipyard in Kittery; and Modern Grid Partners in Portland. During the academic year, Patnaude was an undergraduate teaching assistant in UMaine's Department of Electrical and Computer Engineering. He also served as a peer tutor. For two years, Patnaude served as president of the UMaine Black Bear Robotics Club and, since 2014, has helped promote interest in engineering and science by volunteering more than 500 hours at high school VEX robotics competitions. Patnaude is an Eagle Scout and holds a black belt in karate. Patnaude plans to pursue a career in electrical and computer engineering. He eventually wants to become a licensed professional engineer and pursue an MBA. Contact: Margaret Nagle, 207.581.3745

College of Education and Human Development to honor former Dean Bob Cobb

03 Apr 2017

On April 7, the College of Education and Human Development will hold a celebration to honor former Dean Bob Cobb's 38 years with the University of Maine. Cobb began working for the university in 1969, as an assistant professor of education with a focus on physical education. He served as dean from 1977 until his retirement in 2007. When he retired he was not only the longest serving dean at UMaine, he was the longest serving dean of a college of education anywhere in the United States. The celebration will mark the formal launch of the [Robert "Bob" A. Cobb Scholarship Fund](#), which will provide financial aid to undergraduate students in need. A full news release is [online](#).

Annual Juried Student Art Exhibition to open April 7

03 Apr 2017

The University of Maine Department of Art will present the 2017 Juried Student Art Exhibition that features work by current studio art, art history and art education students. The exhibition will be on display from April 7 to May 5 in Lord Hall Gallery. The venue provides the opportunity for undergraduate students at all levels to exhibit their work. This year, 80 works of art were selected from close to 400 submissions in a range of media. Paintings, drawings, prints, photographs, collages and design, as well as sculpture and ceramic work are included in the exhibition. The exhibition was juried by Anna Kelly, an art history alumna and museum professional, along with James Linehan and Michael Grillo, both professors in the Department of Art. During the April 7 opening reception, 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 campus community, family and friends are

welcome to attend the opening from 5:30 to 7 p.m. 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.

Media cover fifth annual Literacy Tea fundraiser

03 Apr 2017

WABI (Channel 5), [WLBZ](#) (Channel 2) and [WVII](#) (Channel 7) reported on the Literacy Volunteers of Bangor's Literacy Tea fundraiser that was held at John Bapst Memorial High School. The fifth annual event was sponsored by the University of Maine College of Education and Human Development. The idea for the event came from Susan Bennett-Armistead, an associate professor of literacy at UMaine, whose mother-in-law held literacy teas in Michigan. Bennett-Armistead organized the first literacy tea in Bangor when she served on the board of directors for Literacy Volunteers, which provides free English language tutoring to about 300 adults.

Caron quoted in Sun Journal article on Maine rankings

03 Apr 2017

Sandra Caron, a University of Maine professor of family relations and human sexuality, spoke with the [Sun Journal](#) for an article about how the state does in a variety of rankings, including "Well-being and happiness" and "Best states to be a homeowner in 2017." Caron spoke with the paper about Maine's No. 2 rating on "Online dating safety," a list compiled by home security company SafeWise and HighSpeedInternet.com. "Even in a safe state, according to this ranking, things can go not well if you don't use your own personal safety precautions," said Caron, who suggests meeting in a public place and telling others where you are going. "The usual," she said.

Women's service center being reconsidered at UMaine, BDN reports

03 Apr 2017

The [Bangor Daily News](#) reported that two years after the University of Maine's Women's Resource Center closed, a group of students is pushing to get it reinstated. For 23 years, the center served as a place where women could go to get information about gender equality or sexual and reproductive health, find support as victims of sexual assault or domestic violence or get referrals to other services, according to the article. This year, members of the Student Women's Association are trying to revive the center, lobbying university officials and launching an online petition drive to reopen it, the article states. The university shifted the funding that kept the center running to the Rising Tide Center, which has a goal of improving opportunities for female faculty members in science, technology, engineering and math. UMaine officials said Rising Tide has seen success at UMaine, and they wanted to expand its role to encompass the work that was done at the Women's Resource Center and also boost its collaborations with UMaine's women's gender and sexuality studies program. The campus is looking for a location that would bring the Rising Tide Center, women's gender and sexuality studies and SWA together, the BDN reported. "The university agrees that a safe and supportive environment where women can meet, hold programs and find resources and support is essential in a 21st-century university," reads a statement issued by the university. "UMaine is committed to serving the needs of women on campus. There is no deviation from this."

Blackstone co-writes article for BUST Magazine

03 Apr 2017

Amy Blackstone, a sociology professor at the University of Maine, co-wrote an article for [BUST Magazine](#) titled, "The outrage against childfree women is real — and needs to stop." Blackstone wrote the article with documentary filmmaker Therese Shechter. Blackstone, who does not have children, conducts research on the decision not to become parents. She and her husband also maintain the blog, "We're {not} having a baby! childfree adventures in a child-centric world."

WABI covers UMaine Miracle Network Dance Marathon

03 Apr 2017

WABI (Channel 5) reported on the University of Maine's Miracle Network Dance Marathon held at the New Balance Recreation Center. The annual 12-hour event raises funds for EMHS Foundation Children's Miracle Network Hospitals, including Eastern Maine Medical Center in Bangor. More than 400 people including 28 dance teams took part in this year's event, according to the report. This year, UMaine student organizers focused on having a fun celebration for local children. The event was carnival-themed with bounce houses and games, WABI reported. "It's really mostly focused on celebrating for the kids, and the kids can go around and have fun on all of the activities while they're here, and then keep fundraising throughout the night," said Allyssa Torrey, a UMaine student and president of the UMaine Miracle Network Dance Marathon. "You get to know the families, and they come to the event, and they talk to you, and they tell their stories. That's really important," she said. [Z107.3](#) also posted a video of highlights from the event.

Moran offers fruit tree pruning tips in BDN article

03 Apr 2017

Rena Moran, an associate professor of pomology at the University of Maine School of Food and Agriculture and with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for the article, "Early spring is still the right time to prune fruit trees." "It's still a good time to prune fruit trees, but people should try to finish up pruning their apples and pears before they break bud," Moran said, adding that stone fruit trees such as plums, peaches and cherries can be pruned anytime in the month of April. "In my opinion, pruning is good for the tree." The article also included pruning tips from UMaine Extension's [website](#). Left unchecked, trees have a natural tendency to grow too many shoots and large branches, which can impede sunlight from getting to the lower branches, the site states. Trees that are unchecked also can grow so tall that the fruit is difficult — or sometimes impossible — to harvest. Moran said the orchards look good right now, which bodes well for the possibility of having a good fruit harvest later this year. "This winter was good for the fruit trees. It was consistently cold. And when it's cold, they can tolerate the subzero temperatures much better," she said. "I've been noticing that the trees are tougher than normal."

WVH reports on Islamic Awareness Week events

03 Apr 2017

[WVH](#) (Channel 7) reported on Islamic Awareness Week events held at the University of Maine. Throughout the week, games like Islamic Jeopardy and activities such as hijab wrapping and henna tattoos, were offered to teach people about the religion. “We’re just spreading peace, letting people know that this is a peaceful religion. Whatever is happening around the world is happening because there are bad people. And there are good people; so not everyone is bad,” said Shiraz Mahmoud, president of the Muslim Student Association at UMaine. Dozens of people turned out Friday night for the two keynote presentations and buffet featuring cultural foods from around the world that closed out the week, according to the report.

Aquaculture is putting Maine on the map

03 Apr 2017

With Earth’s population of more than 7,495,217,688 increasing by one person every 15 seconds, there’s an intense demand for nutritious, high-protein food. Aquaculture — the farming of aquatic plants and animals — is helping to meet the need. And it’s the fastest-growing form of food production. In Maine, innovative research is being conducted to better understand how aquaculture interacts with the state’s coastal ecosystems and surrounding communities. The University of New England — including faculty, staff and graduate and undergraduate students — is one of the lead partner institutions working to advance aquaculture in Maine through SEANET, the Sustainable Ecological Aquaculture Network. Established through a \$20 million grant awarded by the National Science Foundation to Maine EPSCoR at the University of Maine, SEANET provides researchers at multiple institutions with opportunities to utilize the unique coastal landscape as a living laboratory for sustainable aquaculture study. In addition to UMaine and UNE, partners include Bowdoin College, Cobscook Community Learning Center, Downeast Institute for Applied Marine Research and Education, Maine Maritime Academy, Saint Joseph’s College, University of Maine at Machias and the University of Southern Maine. Gretchen Grebe, a UMaine graduate student based at UNE, examines nutrient availability in Saco Bay. With a research-intensive farm grant provided by SEANET, Grebe collaborates with area shellfish and kelp farmers to strengthen understanding of the relationships between aquafarming and the environment. Her interdisciplinary approach draws on ecological principles, phycology (the study of seaweeds and other algae), coastal resource management, biochemistry and marine entrepreneurship. Grebe’s findings will give sea farmers valuable information about site selection. “The results of my research will provide kelp farmers and harvesters with more information about the best places to grow and harvest kelp to maximize the nutritional value and quality of their products,” she says. The research is intended to ensure top-quality food from the sea reaches consumers’ plates. Adrianus Both, also a UMaine graduate student at UNE, is examining the nutritional value, origin and quality of detritus (organic matter produced by the decomposition of marine organisms) in Saco Bay. He wants to determine detritus’ capacity as a supplementary diet for shellfish aquaculture. “This research informs energy transfer within ecosystems, as well as expanding the site selection criteria for aquaculture,” says Both, whose findings will enhance the potential for successful expansion of sea farming along Maine’s coast. Carrie Byron, one of four tenure-track professors funded by the SEANET grant, is expanding research at UNE that she began during her Ph.D. dissertation. Her focus is on food web dynamics as they pertain to shellfish farms and coastal aquaculture. Byron’s goal is to understand how aquatic foods are sustainably grown. Byron, with Both, Grebe and Adam St. Gelais, looks at dietary preferences of shellfish. She wants to determine whether shellfish prefer detritus to other particles. “Shellfish feed on whatever particles are in the water,” says Byron, an assistant professor at UNE. “There is a direct link to the ecosystem, and that ecosystem is feeding the farm. I’m trying to understand those dynamics — the processes on the farm that have an influence on the ecosystem.” Byron and the team also want to understand how detritus contributes to shellfish growth. “We know shellfish are capable of consuming detritus, but we don’t know how that energy gets incorporated (if at all) into their tissues for growth,” she says. Markus Frederich’s ecophysiology lab at UNE has used SEANET funding to investigate effects of invasive green crabs on the shellfish industry. Green crabs pose a threat to aquacultured shellfish raised in the intertidal zone. Understanding their behavior can inform mitigation strategies, including deployment of netting and fencing to protect shellfish on farms. Lab personnel have focused on the stress response of soft-shell clams in the presence and absence of green crabs, as well as the differences in physiology and destructiveness among genetically different populations of green crabs. UNE graduate student Amanda Keegan exposed softshell clams to various densities of crabs in the field and in Frederich’s lab. She found that clams in the presence of crabs had stunted growth, which indicates clams reallocate energy resources toward a stress response. Interestingly, the strongest responses of softshell clams — including shell opening and heart rate — occurred in the presence of a dead clam. Thus, an alarm signal for the clams may be due to the odor of a dead animal of the same species rather than due to the presence of a predator. UNE graduate student Louis Logan has studied green crabs from Newfoundland, Nova Scotia, Maine and Iceland. He found that crabs from Nova Scotia — a genetic hybrid between the Maine and the Newfoundland populations — are the most aggressive. This elevated aggression, though, is not correlated to the destruction of eelgrass beds. The more aggressive Nova Scotia animals — which Logan said are moving south into Maine — don’t burrow to hide. The less aggressive Maine population of green crabs, though, do burrow and uproot and destroy eelgrass plants. In Ursula Röse’s chemical ecology lab at UNE, work is focused on expanding sea vegetable aquaculture. Chemical defense compounds of brown macroalgae have been a major focus. Several undergraduate students, including UNE sophomore Andrea Call, are examining algal defense compounds. “To defend themselves, land plants often produce compounds that fight off pathogens and herbivores,” says Röse, an associate professor in the Department of Biology. “As our research over the past few years has shown, brown algae that are only distantly related to land plants are responding in similar ways. These secondary metabolites may not only affect algae-specific pathogens and herbivores but may also have medicinal properties for humans.” With her students, and using gas chromatography-mass spectrometry, Röse identified compounds that are upregulated in response to stress in the seaweed *F. vesiculosus*. Röse, who teaches medicinal plant biology, will test extracts of these algae on human pathogens in collaboration with colleague Kristen Burkholder, a microbiologist. St. Gelais, an assistant research scientist with the UNE Center for Excellence in the Marine Sciences, has led the conceptualization and construction of a sea vegetable nursery and research lab in the UNE Arthur P. Girard Marine Science Center in Biddeford. In addition to supporting research efforts, the nursery is a regional hub for farmers to source their “seed.” The nursery has established partnerships with several new kelp farming companies and provided seed kelp to farmers in southern Maine and Casco Bay. “After communicating closely with our community partners in the sea vegetable industry, it was clear that limited outlets for sourcing their seed was an issue,” says St. Gelais. “Southern Maine was in need of leadership in this area and UNE’s infrastructure, faculty and staff expertise are well-suited to fill this important role.” Additionally, St. Gelais established a demonstration kelp farm in Saco Bay that serves as UNE’s field research platform for sea vegetables. Last season, the farm grew just shy of one ton of sugar kelp and it’s on track to surpass that total in 2017. “Our demonstration farm allows the UNE Ocean Food Systems Group to address research questions from engineering and ecology to product safety and ecosystem services,” says St. Gelais. “The farm is being leveraged by research teams across SEANET institutions and disciplines.” Barry Costa-Pierce, director of the UNE Center for Excellence in the Marine Sciences and a co-principal investigator on the SEANET project, says UNE research projects have helped aquaculture garner attention throughout the state. “Because of the buzz generated by SEANET, there are many more people interested in sustainable aquaculture here and in this region,” he says. Costa-Pierce has developed partnerships and teams to work on priority aspects for the expansion of sea vegetable and shellfish aquaculture in Maine. He’s also expanded relationships between SEANET and the state’s coastal communities. Opportunities for interdisciplinary collaboration have enhanced partnerships with industry and other academic centers throughout the

nation and world, and enhanced community building at the local level. Research conducted through SEANET could lead to discoveries that address constraints on aquaculture, from engineering to social ecology. Costa-Pierce says the potential for growth is exciting. “There has been a tremendous ingress of new ideas and partnerships, and an influx of energy, with insights into not only applied, but basic sciences here,” he says. UNE’s aquaculture research has several goals. Researchers — including Grebe, Both, Byron, Röse, Frederick, St. Gelais and Costa-Pierce — are advancing understanding of local ecosystems and their capacities for sea farming. And, they’re learning more about conducting local aquaculture in a socially responsible way. Contact: Beth Staples, 207.581.3777

John Mahon named 2017 Distinguished Maine Professor

04 Apr 2017



[caption id="attachment_54556" align="alignright" width="223"] John Mahon[/caption] An internationally recognized professor of management and one of the world’s foremost experts on corporate social responsibility has been named the 2017 Distinguished Maine Professor by the University of Maine Alumni Association. University of Maine Professor of Management John Mahon, the John M. Murphy Chair of International Business Policy and Strategy in the Maine Business School, is known for the depth and breadth of his state, national and global business experience that informs his teaching and mentoring, and is reflected in his scholarship. The Distinguished Maine Professor Award, sponsored by UMaine’s classes of 1942 and 2002, annually honors a professor who exemplifies the highest qualities of teaching, research and public service. The award will be presented at the UMaine Alumni Association’s Dining with Distinction event April 20. Mahon also will be honored as part of the President’s Faculty Recognition Luncheon on May 13. Undergraduate and graduate students know Mahon as a talented, memorable teacher across a spectrum of UMaine courses — from first-year introductory classes to specialized MBA consulting courses and eight travel-study classes to five countries. He also connects students in capstone projects and internships with state and international companies. Mahon is a leader in curricular innovation and helped redesign UMaine’s MBA program. Mahon was a finalist for the 2014 Faculty Pioneer Award of the Aspen Institute’s Business and Society Program for his leadership in helping establish and co-teach an innovative interdisciplinary course on climate change, business and public policy. He also was the founding director of UMaine’s School of Policy and International Affairs. In the Maine Business School, Mahon received the 2014 Outstanding Teaching Award, and the 2013 and 2015 Graduate Student Mentor Award. Mahon’s research interests focus on how organizations and public interest groups shape and influence public policy and regulations, how reputations of those organizations either hinder or advance their positions, how organizations plan and execute strategies, and how both public interest groups and organizations respond to crises. He has received 12 national awards for his research and writing in peer-reviewed journals, cases and books. His scholarship has been cited by other researchers more than 5,200 times and he is the author of four of the 50 most cited articles in Business & Society. For his scholarship, Mahon received UMaine’s 2011 Presidential Outstanding Research and Creative Achievement Award. As a sought-after executive educator and consultant, Mahon has made presentations in countries worldwide, speaking to Fortune 500 firms, government agencies, public organizations and trade associations. He is affiliated with the Centre for Corporate Public Affairs in Australia, the European Centre for Public Affairs in England and the International Centre for Corporate Public Affairs Research at the University of Chester, England. Among his global distinctions, Mahon was one of the first three elected Fellows of the International Association for Business and Society. Prior to joining the UMaine community in 2001, Mahon was a professor and chair of the Strategy and Policy Department at the School of Management at Boston University. He received a DBA from Boston University. The Alumni Association’s news release about the award is [online](#). Contact: Margaret Nagle, 207.581.3745

RiSE Center announces FIG-MLA Program awardees

04 Apr 2017

Eight University of Maine faculty members will receive 2017–18 course modification incentive grants from the Maine Center for Research in STEM Education (RiSE Center) through the Faculty Incentive Grant-Maine Learning Assistant (FIG-MLA) Program. This year’s grant recipients are:

- Farahad Dastoor for BIO 200: Biology of Organisms
- Paula Drewniany for MAT 127: Calculus II
- Brett Ellis for MET 320: Six Sigma
- Joshua Kelley for BMB 322: Biochemistry
- Jean MacRae for CIE 331: Fundamentals of Environmental Engineering
- Amanda Olsen for ERS 102: Environmental Geology
- Jennifer Tyne for MAT 116: Introduction to Calculus
- Todd Zoroya for MAT 122: Pre-Calculus, with revised curriculum

The FIG-MLA Program aims to strengthen instruction and learning outcomes in undergraduate science, technology, engineering, and mathematics (STEM) courses. STEM instructors submit grant proposals for modifying a course to include more evidence-based and student-centered teaching strategies, such as the use of clicker questions, collaborative group work, think-pair-share, and others. Proposals include the use of undergraduate Maine Learning Assistants

(MLAs) in the class to help instructors implement course modifications. MLAs serve as peer instructors, facilitating group work and assisting faculty as they transform their course to incorporate more interactive-engagement and student-centered instruction. MLAs learn to use innovative, research-based instructional strategies, develop relevant pedagogical skills, deepen their content understanding, and have the opportunity to explore their interest in STEM teaching, while participating in a vibrant community of peers and faculty. The FIG-MLA program is modeled after the successful program developed at the University of Colorado Boulder. The program began in 2012 under a grant awarded to the RiSE Center through the National Science Foundation's Math and Science Partnership program. Due to the demonstrated effectiveness of the FIG-MLA program, it is now funded through UMaine. Since the initiative's start, 38 instructors with 37 courses in 14 departments have received awards. In addition, 236 undergraduate students have been hired as MLAs in STEM classes, receiving a stipend of about \$1,000 per semester. The FIG-MLA program will be partnering with the new UMaine [Center for Innovation in Teaching and Learning](#) to offer continued professional development opportunities to all faculty awardees and MLAs. The RiSE Center is now accepting applications for fall 2017 MLAs. A list of fall MLA courses and the application are [online](#). More information about UMaine's FIG-MLA, including past awardees, also is [online](#).

Mortelliti awarded fellowship to conduct research in Acadia National Park

04 Apr 2017

Alessio Mortelliti, an assistant professor of wildlife habitat conservation at the University of Maine, is one of three scientists who have been awarded fellowships to conduct research in Acadia National Park. The fellowships were awarded as part of Second Century Stewardship, an initiative of the National Park Service, Schoodic Institute at Acadia National Park, and the American Association for the Advancement of Science (AAAS). The Second Century Stewardship was launched in 2016 upon the centennial of the National Park Service to provide top-quality science 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, with plans to partner with national parks across the country over time, according to the Schoodic Institute's news release. The fellowship will fund Mortelliti's research on how small mammals may affect the expansion of plants due to climate change in Acadia National Park. "The results of our field experiments will allow managers to predict how local forest communities might change in the coming years and thus allow them to take the appropriate actions in time," Mortelliti said. The full news release is on the websites of [AAAS](#) and the Schoodic Institute.

VietNamNet quotes Long in article on bilateral trade deal talks

04 Apr 2017

Ngo Vinh Long, a professor of Asian history at the University of Maine, was quoted in a [VietNamNet](#) article about how some experts say Vietnam should be ready to negotiate a free trade agreement with the United States. Experts spoke at a recent Harvard University seminar on the effects of the Trump administration's policies in Asia-Pacific, according to the article. Long suggested small countries prepare long-term strategies in the face of the uncertainty, the article states.

UMaine Symphonic Band's free Houlton concert advanced in The County

04 Apr 2017

[The County](#) published an article ahead of the University of Maine Symphonic Band's free concert in Houlton. The group teamed up with McGill's Community Band of Houlton for the March show, according to the article.

BDN quotes Mayewski in article on climate change skeptic group's mailing campaign

04 Apr 2017

Paul Mayewski, director of the University of Maine's Climate Change Institute, spoke with the [Bangor Daily News](#) for the article, "Climate change skeptic group's mailing campaign targets Maine teachers." Last week, thousands of science teachers across the nation, including several in Maine, received mail from an organization trying to convince them that scientists are split on the science of global climate change, according to the article. "It's a pathetic attempt at trying to sway some people's minds," Mayewski said. "There's a tremendous amount of misinformation." The mail, which includes a book and DVD, came from the Heartland Institute, a libertarian think tank that wades into debates such as education reform, health care, hydrofracking and climate change, the article states. Mayewski said teachers should consider comparing Heartland's claims with the Intergovernmental Panel on Climate Change report. He said the IPCC report was based on the findings of thousands of climate scientists, had 500 authors and has been thoroughly vetted through peer review. Mayewski also spoke with [Maine Public](#) about the mailings.

Media preview 23rd annual HOPE Festival

04 Apr 2017

The Weekly and WABI (Channel 5) reported on the 23rd annual HOPE Festival that will be held from 11 a.m. to 3 p.m. Saturday, April 8 at the New Balance Student Recreation Center on the University of Maine campus. "The festival is an opportunity to pursue [the Peace and Justice Center of Eastern Maine's] goal of progressive movement-building in our community by making visible the underlying connections between groups working individually toward social change. It is a chance to generate connections and network among organizations, groups and individuals seeking ways to affect change around causes they care about," event organizers told The Weekly. In addition to the Peace and Justice Center of Eastern Maine, the free event is sponsored by the Peace and Reconciliation Studies program at UMaine, ReVision Energy, Pine Tree Youth Organizing, and Maine Initiatives, according to the article. Event organizer Andrea Simoneau also spoke about the festival on [WVU](#) (Channel 7).

Handley, Hutchinson speak with BDN about Food Safety Modernization Act session

04 Apr 2017

David Handley, a vegetables and small fruits specialist with the University of Maine Cooperative Extension; and Mark Hutchinson, a UMaine Extension educator and professor, spoke with the [Bangor Daily News](#) about an upcoming informational session for producers and growers. Clearing up some of the

confusion surrounding the Food Safety Modernization Act is the aim of the program being held at 6 p.m. April 6 at the Knox-Lincoln Cooperative Extension Office in Waldoboro. The session is sponsored by the Maine Coast Heritage Trust and Knox-Lincoln Soil & Water Conservation District. The Food Safety Modernization Act was passed in 2011 with the goal of reducing the risk of food contamination outbreaks. While the legislation called for food growers to follow farming practices that would lessen this risk of contamination, it took time after the legislation was passed to devise specific protocols that growers have to follow, according to Handley, who will lead the session. "I've had multiple questions about, 'What is the Food Safety Modernization Act going to mean to me as a farmer?'" Hutchinson said. According to Handley, the majority of Maine farms will likely be exempt from the new rules, since the legislation primarily targets large produce growers who are selling produce across many state lines. However, Handley urges that any growers within the state familiarize themselves with the guidelines.

Professor Emeritus Irv Kornfield passes away

05 Apr 2017

Irving 'Irv' Kornfield, a professor emeritus of zoology at the University of Maine, passed away April 4. At UMaine, Kornfield's research involved the evolutionary genetics and population biology of aquatic organisms. He also taught a course on forensics. Kornfield's obituary, which he wrote himself, is [online](#).

Maine Masque to present 'Almost, Maine'

05 Apr 2017

The University of Maine's dramatic club, Maine Masque, will present four performances of "Almost, Maine" on the Hauck Auditorium stage, April 6-9. "Almost, Maine" was written by John Cariani, a native of Presque Isle, and premiered at the Portland Stage Co. in 2004. The play is made up of nine shorter plays that explore love and loss in the remote, mythical town of the title. The New York Times has described "Almost, Maine" as "a series of nine amiably absurdist vignettes about love, with a touch of good-natured magic realism." Maine Masque is UMaine's longtime student-run theatre group. Open to all students, Maine Masque's primary goal is to support and produce theatre at the university. Each year, the Maine Masque presents one main stage production as part of the School of Performing Arts season. Performances of "Almost, Maine" will take place at 7:30 p.m. April 6-8 and 2 p.m. April 9. Tickets are \$10, or free with a student MaineCard.

2017 PEAC, CEAC Awards announced

05 Apr 2017

Two of the University of Maine's top employee awards will be presented to librarian Jennifer Bonnet and administrative specialist Karen Moffett on April 25. Bonnet, who specializes in social sciences and humanities in Fogler Library, will receive the 2017 Outstanding Professional Employee Award. Moffett, who works in the School of Economics, will receive the 2017 Outstanding Classified Employee Award. The two awards are sponsored by the Professional Employees Advisory Council and the Classified Employees Advisory Council, respectively. They will be presented April 25 at the Employee Recognition and Awards Luncheon. Bonnet has been a member of the UMaine community since 2013 when she joined the Fogler Library staff. As a social sciences and humanities librarian, she has provided over 200 instruction sessions for more than 4,000 students, and offered one-on-one research support to more than 385 faculty, students, staff and community members. Bonnet is one of Fogler's librarians responsible for teaching an information literacy course. In their evaluations, students note her enthusiasm, engagement and compassion. She also has been a guest lecturer in courses, connecting students to relevant resources and databases for research and supporting critical thinking around the use of information. She is the co-creator of a successful spring film series on campus focused on the human dimensions of climate change. Bonnet has co-designed and implemented workshops on information literacy, altmetrics and grant writing, and is a member of an interdisciplinary team studying the reuse economy in Maine. She also has collaborated with libraries across the state to explore the use of OneSearch, which is now a gateway to library research at UMaine. Bonnet shares her expertise in several campus and community initiatives. She also has published 13 articles in the past three years and made 15 presentations at state and national conferences. One of her co-written articles on graduate student publishing workshops was selected by the American Library Association's Library Instruction Round Table as a 2014 Top Twenty article. Moffett, a UMaine alumna, joined the School of Economics in 2003. Her institutional knowledge, initiative and skills are cited as critical assets for the school's faculty and students — from the quality of her work to her initiative and professionalism. Moffett is often described as the heart of the School of Economics community. In particular, Moffett takes a student-centered approach — from ensuring efficient student course registration and advising sessions to connecting undergraduate and graduate students with the resources they need. Students know her as a dedicated, compassionate advocate who always goes above and beyond, and cares about their well-being. When School of Economics alumni are on campus, they often seek her out to thank her for making a difference in their UMaine experience.

UMaine Composites Center to receive 'Innovator of the Year' award

05 Apr 2017

The Advanced Structures and Composites Center at the University of Maine has been selected by the Maine International Trade Center to receive the "Innovator of the Year" award. The 2017 International Trade and Investment Awards will be presented May 25 during Maine International Trade Day at the Cross Insurance Center in Bangor. The company winners of this year's awards have all made a commitment to growing their business in Europe, according to an MITC news release. The "Innovator of the Year" award is given to a company or organization in Maine that has accessed international markets through new and innovative processes or products, the release states. "It's a great honor for the UMaine Advanced Structures and Composites Center to be recognized for working with more than 500 international and national companies, including more than 150 Maine companies, to develop new products, reach new markets, and expand their international reach. This award truly goes to our world-leading students, faculty, and staff for their incredible work, as well as the more than 2,000 students who have worked at our lab since opening in 2000," said Habib Dagher, executive director of the UMaine Composites Center. More information, including the full MITC news release, is [online](#).

The County publishes profile on music performance major

05 Apr 2017

[The County](#) published a University of Maine student profile on Kyle Goupille, a fourth-year music performance major. Goupille showcased his skills as the featured trumpet soloist in the UMaine Symphonic Band's spring tour. The tour included a performance at Presque Isle Middle School, Goupille's alma mater. At UMaine's 215th Commencement on May 13, Goupille will get his bachelor's degree, as well as perform the National Anthem at both ceremonies.

WVII cites Gabe's economic impact study in report on civil legal aid services

05 Apr 2017

[WVII](#) (Channel 7) and the Associated Press reported on a recent economic impact study of civil legal aid services in Maine. The study, which was commissioned by Maine's Justice Action Group and conducted by University of Maine economist Todd Gabe, found legal aid for Maine's poor population boosts the state's economy by more than \$105 million annually. The study is expected to assist legal aid providers in future fundraising efforts, according to the report. More about the study is on the Maine Justice Foundation [website](#). The [Portland Press Herald](#) and Miami Herald carried the AP report. The report also was cited in the [Press Herald](#) editorial, "'Justice for all' depends on Maine's legal aid providers."

BDN reports on research shared at Maine Sustainability & Water Conference

05 Apr 2017

The [Bangor Daily News](#) mentioned research presented at the annual Maine Sustainability & Water Conference in the article, "Maine's wells could be polluted with arsenic, lead." Scientists who shared their research said they want to encourage residents to test their water for such invisible troublemakers as arsenic and lead, and then take steps to mitigate problems that may be found, according to the article. The Maine Sustainability & Water Conference, held each year by the Senator George J. Mitchell Center for Sustainability Solutions at the University of Maine, is a good place for scientists — both students and professionals — to network and share ideas and their research, according to organizers. "The conference provides an extraordinary opportunity for people from across Maine to come together and learn from one another," said David Hart, director of the Mitchell Center. "By sharing success stories, preparing for new challenges and showcasing the work of students on their way to becoming future leaders, the conference helps to build a brighter economic and environmental future for Maine communities." Founded in 1994, it is the largest conference in Maine focused on issues at the intersection of economic development and environmental stewardship. The event draws registrants from universities, non-governmental organizations, the private sector, and federal, state, and municipal government. This year, 390 people attended the conference.

Witt, Kersbergen quoted in Morning Sentinel article on Winslow community garden

05 Apr 2017

University of Maine Cooperative Extension staff members Amy Witt and Richard Kersbergen were quoted in a [Morning Sentinel](#) article about the town of Winslow's efforts to boost its community garden. After it was built seven years ago, the town's community garden received so many requests that they had to add more beds, but over time, the garden has fallen out of use, according to the article. The town's new Parks and Recreation director hopes to turn the area into one of the busiest spots in town this spring and summer by holding talks and classes there while improving the garden infrastructure, the article states. Witt, a horticulturist with UMaine Extension based in Cumberland County, said gardens can build a sense of community. "[Residents] get to meet neighbors and people they wouldn't necessarily meet," she said, adding the gardens are popular in Cumberland County towns. Richard Kersbergen, a UMaine Extension professor based in Waldo County, said gardens create an important system of support, as people are asking each other for advice. "It can build a lot of camaraderie between gardeners," he said.

Roiland speaks about fake news at Bangor Public Library, WVII reports

05 Apr 2017

[WVII](#) (Channel 7) covered a panel discussion on fake news held at the Bangor Public Library. The panel attempted to find common ground with those in attendance, and said citizens should look at stories through the eyes of an editor, WVII reported. They also spoke about culture, and challenged people to take the emotion out of news, according to the report. "Think of the social or political or cultural or religious topic that means the most to you, that you hold most dear. Where did you get that idea from? Was it from the news media? Of course not," said Josh Roiland, a journalism professor and Honors preceptor at the University of Maine, who spoke during the event. "So this is the key point; news media is a part of culture, it's not the dominating influence on culture."

Media report on UMaine Composites Center's 'Innovator of the Year' award

05 Apr 2017

[Mainebiz](#) and [Portland Press Herald](#) reported the Advanced Structures and Composites Center at the University of Maine has been selected by the Maine International Trade Center to receive the "Innovator of the Year" award. The 2017 International Trade and Investment Awards will be presented May 25 during Maine International Trade Day at the Cross Insurance Center in Bangor. The company winners of this year's awards have all made a commitment to growing their business in Europe, according to MITC. The "Innovator of the Year" award went to the UMaine Composites Center for accessing international markets through new and innovative processes or products, including 3-D printers, robots and thermoplastics, Mainebiz reported.

Leadership team named for the University of Maine at Machias as part of the partnership with the University of Maine

05 Apr 2017

A leadership team has been named for the University of Maine at Machias as part of the new partnership with the University of Maine, effective July 1. Dr. Kay Kimball will serve as executive dean/chief academic and operations officer. Dr. Dan Qualls will serve as director of academic support services and community outreach. University of Maine at Machias President Sue Huseman's interim appointment ends June 30. "It has been a privilege to collaborate with President Huseman, members of the two campus communities, and the University of Maine System leadership this past year to get the important work done to ultimately do what's best for students and for the state of Maine," says UMaine President Susan J. Hunter. "Those productive discussions continue, and I look forward to working closely with Kay and Dan to ensure the stability and success of the Machias campus and its mission in Down East Maine." Dr. Kimball is

UMM's interim provost and vice president for academic affairs. She joined the UMM community in 1999 as an assistant professor of history, after teaching at Agnes Scott College, Oglethorpe University, Emory University and the University of Tennessee. In 2013, Dr. Kimball became assistant provost for academic services and was named interim provost last year. She holds a Ph.D. in history from Emory University. Dr. Qualls is a UMM associate professor of education, coordinator of the Education Program and chair of the Professional Studies Division. Prior to joining the UMM community in 2008, he was a university supervisor of student teachers in grades K–12 at the University of Tennessee. He holds a Ph.D. in theory and practice in teacher education from the University of Tennessee. The upcoming change in governance structure is a result of the University of Maine System Board of Trustees' recent approval of a Primary Partnership agreement between UMM and UMaine. The One University partnership changes the leadership at UMM from a president and academic provost to an executive dean/chief academic and operations officer and director of academic support services. Dr. Hunter will be president of both campuses. The partnership will strengthen UMM's unique brand and reduce costs. Academic offerings for students at both campuses will be expanded. Collaborative ventures are already occurring in technology, career services, admissions, financial aid and other areas. Under the partnership, UMM will retain its own identity, its unique mission, and its close relationship with the Down East community. Faculty hiring and promotion processes will remain intact and UMM will also retain its ability to secure federal financial aid for its students and to seek grant funding. In forging the partnership, an Academic Integration Team was led by the provosts from both institutions and teams of faculty in similar disciplines. Faculty continue to explore commonalities, differences and complementarities across institutional boundaries, and are planning for ways in which students can benefit from cross-registration, internships and online offerings. UMM and the UMaine Office of Research and Sponsored Programs have signed a mutual agreement to help identify funding opportunities, aid in grant writing and administer awarded grants. "This partnership offers increased opportunities for students, faculty and staff on both campuses, as well as unique opportunities for UMM to grow and thrive," Dr. Huseman says. Contact: Sharon Mack, 207.255.1327

Kim named associate vice chancellor for academic innovation and partnerships

05 Apr 2017

University of Maine Vice President for Research Carol Kim has been named associate vice chancellor for academic innovation and partnerships with the University of Maine System, effective July 1. In the position, Kim, who also serves as dean of UMaine's Graduate School, will work to develop and strengthen research, scholarship and academic collaborations across the seven UMS campuses, and help identify and foster opportunities for community partnerships. The focus is on innovation and partnerships that enhance the student experience and benefit the people of Maine, while improving UMS enrollment and retention, and achieving integration and efficiencies across the campuses. Initiatives are expected to include facilitating development of interdisciplinary and interinstitutional master's programs, and exploring expanded educational opportunities between UMS and the Maine Community College System. "I am delighted to welcome Dr. Kim to the UMS team," says Vice Chancellor for Academic Affairs Robert Neely. "She clearly can contribute in many ways to ongoing Academic Transformation initiatives. In particular, her breadth of administrative experience at the University of Maine provides an ideal opportunity to expand the concept of One University into the research realm, and to continue to build collaborative graduate programs that can serve all UMS campuses and regions of Maine." Kim joined the UMaine community in 1998 as an assistant professor in the Department of Molecular and Biomedical Sciences. She established the Zebrafish Facility on campus, a shared resource for university researchers, and pioneered the use of the zebrafish model for infectious disease research. Kim's research has been supported by numerous federal and state funding agencies, including the National Institutes of Health, the National Science Foundation, U.S. Department of Agriculture and NASA. In 2008, Kim was named director of UMaine's Graduate School of Biomedical Science and Engineering. She has served as vice president for research and dean of the Graduate School since 2013. Under her leadership as vice president and graduate dean, Kim led the merger of the Research Office and Graduate School into one organization, and established the Grant Development Office to assist faculty in identifying funding opportunities and proposal development. Kim's major research initiatives included the UMS-wide Aging Initiative, focused on the major aging-related challenges in Maine, and implementing the return of a percentage of indirect costs to professors to incentivize and stimulate research productivity. During Kim's tenure, research showed a 22 percent increase in awards, and graduate enrollment has grown in the past two years. "We are excited about this new opportunity for Carol, and for the potential of this University of Maine System initiative for the state," says Jeffrey Hecker, executive vice president for academic affairs and provost. "Achieving greater integration, collaboration and efficiency across the seven public university campuses will benefit our faculty and students, and will provide educational and research partnerships that will advance Maine." Contact: Margaret Nagle, 207.581.3745

Vachon named women's basketball interim head coach

05 Apr 2017

Amy Vachon will be the interim head coach of the women's basketball team for the 2017–18 season. Vachon guided the Black Bears to their second-straight America East Championship game in March. She took over head coaching duties during the 2016–17 campaign when coach Richard Barron took an extended medical leave. More information is available [online](#).

Camp named MDI Biological Laboratory artist-in-residence

06 Apr 2017

Susan Camp, a printmaker, sculptor and adjunct assistant professor of art at the University of Maine, has been named one of the MDI Biological Laboratory's four 2017 Maine artists-in-residence. The artists' work will be the subject of the laboratory's sixth annual Art Meets Science exhibit, which will be on display at the new Center for Science Entrepreneurship in July 2017, according to an MDI Biological Laboratory news release. The artists were selected for their interest in the intersections between art and science, the release states. The full MDI Biological Laboratory news release is [online](#).

SPA students to take part in 'Dancing for the Stars' fundraiser

06 Apr 2017

Six dance students from the University of Maine School of Performing Arts will participate in the Phillips-Strickland House's "Dancing for the Stars" fundraiser. The event will take place Saturday, April 8 at the Anah Shriners Facility, 1404 Broadway in Bangor. The fundraiser begins at 6 p.m. with a social hour, followed by the dance competition at 7 p.m. and ending with a dance party with the RetroRockerz Band beginning at 9 p.m. For the competition, the UMaine dance students are paired with six local "stars," including media personalities and other professionals well-known in the community. Tickets are \$50 and are available by calling 941.2820 or emailing jmcallian@pshouse.org. Votes for favorite dancers also can be purchased for \$1 during the event. Proceeds

benefit the UMaine School of Performing Arts and Phillips-Strickland House, an assisted living facility in Bangor. More information about the event is [online](#).

Parking advisory for April 10

06 Apr 2017

University of Maine Parking Services advises that lots in the Collins Center for the Arts area will be affected by a high number of visitors attending an Accepted Student Day on Monday, April 10. To avoid searching for a parking space, Parking Services recommends carpooling, biking, walking or taking the Community Connector or Black Bear Orono Express at no cost.

UMaine mentioned in BDN analysis on Maine loggers' future

06 Apr 2017

The University of Maine was mentioned in the [Bangor Daily News](#) article, "As paper mills die, here's how Maine loggers hope to survive." As traditional paper businesses are shifting to growing markets in food packaging and tissue — and as the pellet industry tries to grow its share of the U.S. heating market — others are eyeing new industries to breathe life into the economic engine in Maine's woods, according to the article. Charlotte Mace, executive director of the trade group Biobased Maine, is working with UMaine to help make the business case for a range of new forest product businesses, including plastics, chemicals and fuel, the article states. "It's about turning renewable resources into advanced products, from forest, farm and sea," Mace said.

WABI covers Mr. Fraternity contest, fundraiser

06 Apr 2017

WABI (Channel 5) reported on Alpha Omicron Pi sorority's 15th annual Mr. Fraternity pageant held at the Collins Center for the Arts. The fundraiser for the Arthritis Foundation asked the 13 participants to work for donations from the crowd and compete in a variety of categories, according to the report. "We think it's great to promote a positive Greek life on our campus" said Emily Hayes, Alpha Omicron Pi president. "We feel this is a great way to show that we do something positive and to get our message out there." Last year, the event raised \$3,000, WABI reported.

Kids Can Grow program cited in Press Herald article on ways to 'green your household'

06 Apr 2017

The University of Maine Cooperative Extension's Kids Can Grow program was mentioned in the [Portland Press Herald](#) article, "Try these 3 ways to green your household." The article offered three signposts to help ease the challenge of trying to live with a lighter environmental footprint. Under the tip, "Think in cycles," the article suggested inviting children to see where their food originates — picking berries and apples, visiting farms, learning to compost, and witnessing the transformation of seed to plant. The Kids Can Grow program, which is offered in several counties, helps families plan, plant and tend their own raised bed with help from a gardening mentor, the article states.

Politico quotes Socolow in article on Bill O'Reilly, advertiser boycotts

06 Apr 2017

Michael Socolow, a professor of communication and journalism at the University of Maine, was quoted in the [Politico](#) article "Not in defense of Bill O'Reilly." Since sexual harassment claims have been made against the Fox News Channel host, at least 47 advertisers have dumped their buys on his show, "The O'Reilly Factor," according to the article. "If we demand every advertiser avow allegiance to every social, economic or political position taken by news commentators in whose program their ad appears, we'll end up with crappy advertising and worse journalism — or we'll end up with an amalgam of advertising and journalism that would be indistinguishable from propaganda," Socolow said.

Vachon named women's basketball interim head coach, media report

06 Apr 2017

The [Bangor Daily News](#), WLBZ (Channel 2), [Portland Press Herald](#), WABI (Channel 5), WVII (Channel 7) and [WMTW](#) (Channel 8 in Portland) reported Amy Vachon will serve as the interim head coach of the University of Maine women's basketball team for the 2017–18 season. Head coach Richard Barron, who began an extended medical leave in January, said in a statement that he urged Karlton Creech, UMaine's athletic director, to give Vachon "full authority of the program." "Amy stepped up at a difficult time during the 2016–17 season in coach Richard Barron's absence and handled the head coaching duties with poise and confidence," Creech said. "As coach Barron takes the time needed to seek improvement for his health, we are once again confident in coach Vachon's ability to successfully lead the program over the next year, and we thank her for her loyalty and service to the University of Maine." The [BDN](#) also published Barron's update on his health issues.

Gardner speaks with Maine Public about European wood chip market

06 Apr 2017

Doug Gardner, a professor of forest operations, bioproducts and bioenergy at the University of Maine, spoke with [Maine Public](#) for an article about how the lucrative European wood chip market has the potential to rejuvenate the forest products sector in Maine. Wood chips, which are burned for fuel in biomass energy plants, are in strong demand in Europe, however, they can't be exported, because of the pests and pathogens that could be spread to other countries, according to the report. To combat this problem, Fastco Corporation in Lincoln built two heater-drying systems that, if successful, could be placed aboard cargo vessels and used to decontaminate low-grade wood chips for shipment to Europe, the report states. The development of this technology began seven years ago, in response to new regulations imposed by the European Union that effectively ended exports of Maine wood chips. Several Maine companies

joined forces with UMaine to come up with the heater-dryer system, which is ready for a trial run later this month, Maine Public reported. Gardner said the technology could give the state a competitive advantage. “In the southern U.S., they’re shipping a lot of biomass material to Europe right now,” he said. “Maine is closer to Europe and provides a shorter shipping distance.”

Down East magazine cites Morse, Bartlett in aquaculture article

06 Apr 2017

Dana Morse and Chris Bartlett, professionals with the Maine Sea Grant College Program at the University of Maine, were quoted in a [Down East](#) magazine article on the state’s aquaculture industry. Maine’s traditional fishing culture is on the verge of forced change, the article states, but fishermen have been wary of an aquacultural shift. In 2014, when Maine Sea Grant launched its Aquaculture in Shared Waters initiative — classes, field visits, and mentorship designed to help fishermen launch new sea farming projects — eight people took part. This year, enrollment grew to 15. “Believe it or not, I am fairly satisfied with the rate of change,” said Morse, who helps run the program. Every year, the program attracts a few more interested fishermen, but Morse says he knows aquaculture is “not ever going to be a perfect option, and it’s not ever going to be the silver bullet.” Bartlett, a finfish aquaculture specialist, spoke about the aquaculture of Atlantic salmon. He said he remembers serving about 15 companies in Cobscook Bay alone when he started offering extension services to salmon farms in 1992. Over time, Bartlett said independent salmon farmers found economies of scale required continuing investment — bigger cages with more space in between them. To stay competitive, many opted to consolidate, while others sold out to large European companies, the article states.

Katie Dube: Finding true self through theatre

06 Apr 2017

While searching for the perfect college, Katie Dube knew she wanted to attend an institution that would allow her to pursue her love of theatre, as well as her interest in teaching English. “When I visited the University of Maine for the first time, I realized it was the first university I had been to where I could do everything that I wanted,” Dube says. “I was very impressed with all of the different facilities the School of Performing Arts had to offer. I knew there would be a lot of room for growth and discovery.” Dube, of Arundel, Maine, is now finishing her first year at UMaine. She is pursuing degrees in theatre and secondary education with a concentration in English. She also is a member of the Honors College. “UMaine makes it easy to find your interests and tailor them into a major/minor combination that can be really beneficial to your college career,” Dube says. Already Dube has had many opportunities to perform through the School of Performing Arts. She had roles in the SPA productions of “Big Love,” “The Pajama Game” and “James and the Giant Peach,” as well as a role in a student-written show titled “Rhonda’s Salon.” Most recently, Dube played Gayle in the Maine Masque production of “Almost, Maine. Before the end of the semester, she also will be an assistant stage manager for a student-written and -directed show titled “The Party.” “I haven’t even finished my first year yet, and I cannot wait for the rest of my college experience,” Dube says. <https://youtu.be/cOEbdhgMfCA> [Read transcript](#) **Why did you choose to study theatre?** Theatre has always been a huge part of my life. I started acting at the age of 5, and loved the idea of embodying someone other than myself. I have been in 25 productions over the past 19 years. In high school, I was having a hard time discovering what I really wanted to do with my life. It wasn’t until I took a trip my junior year to Stratford-upon-Avon, England that I knew I wanted to incorporate theatre into my professional career. Performing has taught me to embrace my fears, and always try something new. Through theatre, I have been able to conquer my fear of public speaking at a very young age. I also have been able to better understand people, and I have developed time-management skills. Since it has always been there with me, I would like to continue pursuing it, and hopefully teach others how to trust themselves and discover empathy. **What difference has UMaine made in your life and in helping you reach your goals?** UMaine has allowed me to discover who I am and what I want to do with my life. When I was deciding where I wanted to attend college, UMaine just seemed like the right fit, and it sure was. The professors, especially in the theatre department, have been very welcoming and easy to talk to. They are honest with you and make you feel like you are right at home. **Do you have any advice for incoming college students who are considering a major in theatre?** Do it. You won’t regret it. This department has been one of the most welcoming places I have ever been a part of. Every day I get to study and rehearse for shows that make me think and work hard. It is very much a collaborative effort, and because of that, you will meet several people just like you. I was so nervous before coming to college, but theatre has been an amazing way for me to find and be my true self. **What are your plans for after graduation?** After graduation (in May 2020), I would like to work in a high school, either in theatre or English classes. I would really like to teach kids the beauty of Shakespeare, and that the themes and situations mentioned in his plays are still relevant today. I would love to help students discover their passions and conquer their fears. If you are reading this and have even the slightest interest in theatre, I encourage you to go after it. Challenge yourself and discover where your passions lie. This university is a wonderful place. Absorb and discover as much as you can while you are here. Contact: Elyse Catalina, 207.581.3747

Transcript

Katie Dube: My name's Katie Dube. I'm from Arundel, Maine. I am double majoring in theatre and secondary education with a concentration in English. I've had so many teachers in my life who have definitely shaped who I am today. They definitely have been people who I confide in. They've taught me all these skills. The English teachers are usually the funnier ones, the fun teachers. I definitely want to be that teacher for my future students who just understands and is willing to answer any questions that students may have. Theatre really interests me because I can step out of my comfort zone. I always thought of theater as applied English. If I am going to be an English teacher, I thought the best way to actually feel with the characters I'm reading and truly be engaged with the text is through acting it out. The arts here at UMaine has definitely helped me a lot. I've had several opportunities to try new things, try new characters. The theatre program has been great here. I'm also taking voice lessons right now. No matter where you are within the School of Performing Arts, you can totally try something new. Everyone here wants you to succeed and wants to find out where your strengths lie so that you can be great on the technical side or the acting side, or musically. They just really, really want to showcase what you can do. The academic environment here, it can be challenging at times. At the same time, it's not to the point where I can't do what's fun. This semester, I did four shows. I've been able to have that balance where the professors understand, they want the best for me, but also I need to focus on my academics, as well. I came here because I thought that I could do everything I wanted and I can do even more than I was expecting. I'm involved in so much and I wouldn't have it any other way. In my English concentration in education and theater, I've been able to form this person that I want to be and studying the things that I want to be studying. [Back to post](#)

Emerging climate change research focus of Hal Borns Symposium

06 Apr 2017

University of Maine graduate students and faculty will make more than 60 presentations about emerging physical, chemical, social and ecological climate change research, on topics ranging from lobsters to deer ticks, at the 25th annual Harold W. Borns Jr. Symposium on April 13–14 in Wells Conference Center. The symposium’s namesake, Professor Emeritus Harold “Hal” Borns, founded the Climate Change Institute — then called the Institute for Quaternary Studies — at UMaine in 1973. “For anyone interested in the past and present of climate and its impact on humans and our world, the Borns Symposium is an essential event,” said Dan Sandweiss, professor of anthropology and climate studies. Gordon Bromley and Stephen Hornsby are the featured speakers at this 44th anniversary celebration of the CCI, one of the nation’s leading centers for exploration and research about the climate of the past, present and future. Bromley, who graduated from UMaine in 2010 with a doctorate in Earth sciences, will deliver the Invited University of Maine Alumnus Lecture at 6 p.m. Thursday, April 13, in Room 1. The research assistant professor in the Climate Change Institute and the School of Earth and Climate Sciences will discuss “The Loch Lomond Affair: Exploring the Terrestrial Impact of Abrupt Climate Change in the North Atlantic.” Hornsby will deliver the David Clayton Smith Lecture titled “Climate, Environment, and the Historical Atlas of Maine” at 11:30 a.m. Friday, April 14, also in Room 1. Hornsby directs the Canadian-American Center and the National Resource Center on Canada and is a professor of geography and Canadian studies. David Clayton Smith, who died in 2009 at age 80, was a professor of history at UMaine and was an expert in climate history, Maine and New England history, American agricultural and forest history. Also at the symposium, graduate students and faculty will make oral and poster presentations from noon to 7 p.m. April 13 and from 8 a.m. to 2 p.m. April 14. The public is invited to the free symposium. To request an accommodation, contact 207.581.3406, bliqcs@maine.edu. More information, including the complete schedule, is online.

Varahramyan named UMaine vice president for research and dean of the Graduate School

07 Apr 2017

Kody Varahramyan, senior aide to the chancellor of Indiana University-Purdue University Indianapolis (IUPUI), has been named University of Maine vice president for research and dean of the Graduate School, effective July 1. “We are excited about the experience and vision Dr. Varahramyan brings to this critical leadership role at Maine’s public research university,” says Jeffrey Hecker, executive vice president for academic affairs and provost. “His experience growing funded research, fostering university-industry relationships, and supporting multidisciplinary research initiatives matches UMaine’s needs at this point in our development as a world-class research university.” Varahramyan, who has a Ph.D. in electrical engineering from Rensselaer Polytechnic Institute, has 25 years of academic experience as a faculty member and administrator at Louisiana Tech University and IUPUI. At IUPUI, Varahramyan has been senior aide to the chancellor since 2015. He served as IUPUI’s vice chancellor for research from 2008–15. Strategic projects developed during his tenure as vice chancellor include the Innovation-To-Enterprise Initiative, the IUPUI Arts and Humanities Institute, the STEM Education Research Institute and the Integrated Nanosystems Development Institute. Varahramyan was also professor of electrical and computer engineering at IUPUI. He joined Louisiana Tech in 1992 after 10 years on the technical staff of IBM Corporation in Essex Junction, Vermont. At Louisiana Tech, Varahramyan served as the Entergy Distinguished Professor, as well as associate dean for research and graduate studies in the College of Engineering and Science, and director of the Institute for Micromanufacturing. He also collaborated to develop innovative undergraduate and graduate degree initiatives, including the nation’s first bachelor’s program in nanosystems engineering. Varahramyan’s research focused on nanoscale materials, process and devices, including integrated nanosystems for medical, energy, environmental and information technology applications. He has authored and co-authored nearly 200 papers in journals and conference proceedings. Varahramyan is named as an inventor on seven patents, and has secured more than \$31 million in external funding as principal or co-principal investigator on grants for research and educational programs. Varahramyan says he is delighted to have the opportunity to join UMaine and work to “advance its development as a world-class research university.” Contact: Margaret Nagle, 207.581.3745

Sedaris to ‘bring fresh eyes to common experience’ at CCA

07 Apr 2017



[caption id="attachment_54534" align="alignright" width="223"] David Sedaris[/caption] One of America’s pre-eminent humor writers will share his wit and social critiques during “An Evening With David Sedaris” at 7:30 p.m. Tuesday, April 11 at the Collins Center for the Arts at the University of Maine. The Chicago Tribune wrote that Sedaris’ “droll assessment of the mundane and the eccentrics who inhabit the world’s crevices make him one of the greatest humorists writing today.” The New York Times wrote that he brings “fresh eyes to common experience.” Sedaris wrote “Barrel Fever” and “Holidays on Ice,” as well as collections of personal essays, “Naked,” “Me Talk Pretty One Day,” “Dress Your Family in Corduroy and Denim” and “When You Are Engulfed in Flames.” A collection of his fables is titled “Squirrel Seeks Chipmunk: A Modest Bestiary.” Sedaris’ most recent book is “Let’s Explore Diabetes with Owls.” All are best-sellers. His next book, due this summer, will be a collection of his diary selections titled “Theft By Finding.” His pieces appear regularly in The New Yorker and have twice been included in “The Best American Essays.” Ten million copies of his books — translated into 25 languages — are in print. Sedaris also edited “Children Playing Before a Statue of Hercules: An Anthology of Outstanding Stories.” Sedaris’ original pieces can be heard on the public radio show “This American Life.” He has been nominated for three Grammy Awards for Best Spoken Word and Best Comedy Album. His latest audio recording of stories is “David Sedaris: Live for Your Listening Pleasure.” A feature film adaptation of his story “C.O.G.” was released after its 2013 premiere at the Sundance Film Festival. Since 2011, Sedaris has been on a series of live BBC Radio 4 recordings titled “Meet David Sedaris.” To purchase tickets and for more information, visit the CCA [website](#). Also, to purchase tickets or to request an accommodation,

call 581.1755. Tickets are \$54.50 for orchestra seats, \$44.50 for balcony seats, and \$29 for student seating in the balcony. All fees are included.

American experience in WWI subject of April 11 lecture

07 Apr 2017

The American experience in World War I will be the focus of a lecture April 11 at the University of Maine. Donald Zillman, the Edward S. Godfrey Professor of Law at the University of Maine School of Law, will talk about his 2016 book, "Living the World War: A Weekly Exploration of the American Experience in World War One — Volume One," co-written by Elizabeth Elsbach, a Maine Law School alumna. The free public lecture at 4 p.m. in 130 Little Hall is sponsored by the UMaine President's Office, UMaine Humanities Center and UMaine Department of History. Zillman and Elsbach both studied history in their college careers and describe themselves as amateur historians by avocation. In their collaboration on "Living the World War," the pair reviewed more than 16,000 pages of the Congressional Record and 885 issues of The New York Times to provide a week-by-week perspective on how Americans experienced the opening months of the war — from Oct. 1, 1916 to Dec. 31, 1917. During that time the United States went to war; turned to conscription to raise its Army; taxed and spent in unprecedented fashion to support the war effort; moved the federal government into the posture of regulator of large segments of the American economy; and defined what constituted impermissible opposition to the War subject to felony prosecution. Americans during this period also debated women's suffrage, race relations, Prohibition, the rights of organized labor, reconciliation of the North and South, and fuel shortages. The experience of war and the emerging national issues profoundly shaped America in the 21st century, according to the authors in a University of Maine School of Law [news release](#). Zillman specializes in energy law and military law, and has written or edited 14 books. His interest in the constitutional governance of the military stems from his 16 years of active and reserve service in the U.S. Army Judge Advocate General's Corps. He also served as Distinguished Visiting Professor at the United States Military Academy. In his career in Maine, Zillman served as the fourth dean of the Maine Law School; UMaine interim provost and academic vice president; interim president of the University of Maine at Fort Kent; and president of the University of Maine at Presque Isle. He returned to the Maine Law School in January 2014. He and Elsbach, who is pursuing a career in intellectual property law, are now writing volume two of "Living the World War," which will cover Jan. 1, 1918 to March 5, 1919 and the peace negotiations that became the Treaty of Versailles.

Butler's TANF study cited in Free Press roundup of state Legislature news

07 Apr 2017

A study by Sandra Butler, a University of Maine social work professor, was cited in a [Free Press](#) article on news out of Augusta. Although the level of extreme poverty in Maine has spiked by 50 percent since the governor began cutting welfare programs in 2011, Republicans are hoping to prevent even more low-income people from receiving public assistance with a series of bills to be heard by the Legislature's Health and Human Services Committee on April 10, according to the article. A measure will be introduced that would make families who have exhausted the 60-month lifetime limit on receiving Temporary Assistance for Needy Families (TANF) benefits ineligible to receive emergency shelter and food from the general assistance program, the article states. In 2012, Butler surveyed more than 1,500 low-income families who lost TANF benefits due to the 60-month cap and found that 70 percent of respondents reported they had gone to a food bank, about a third lost utility service, and 20 percent reported being evicted from their homes, had to relocate, lived in overcrowded conditions or were forced to stay in a homeless shelter, the article states.

Amherst News/Citizen-Record cites UMaine analysis on tidal turbine impacts

07 Apr 2017

Amherst News and the Citizen-Record out of Nova Scotia, Canada, cited a data analysis by the University of Maine in an article on fish monitoring at the Fundy Ocean Research Center for Energy (FORCE) tidal power site in Parrsboro, Nova Scotia. The UMaine analysis found mean relative fish densities were the same after deployment of the Cape Sharp turbine in November 2016 as they were before deployment, the article states. "So far, no effect of the turbine has been found, but more sampling is needed to document fish density variation over time and to determine any effects," said Gayle Zydlewski, an associate professor at UMaine's School of Marine Sciences. "This report includes only the first survey analyzed after deployment; as we collect and analyze more data, a clearer picture will emerge."

Dill speaks with BDN about mosquito, tick season predictions

07 Apr 2017

Griffin Dill, an integrated pest management specialist with the University of Maine Cooperative Extension, was interviewed by [Bangor Daily News](#) for the article, "Pest experts predict bad tick, mosquito season for Northeast." The article states pests may be especially abundant this spring in the Northeast, according to the Bug Barometer, a bi-annual report produced by the National Pest Management Association. "I think it's an interesting general idea of what could happen," Dill said. "On a local level, even as far as a state level, I don't know how much weight [the Bug Barometer] really holds. There are so many different aspects that go into whether we are going to have a lot of ticks and mosquitoes." Dill also spoke about the increase in tick-borne diseases in the state, as well as ongoing tick research. "We learn new things literally on a yearly basis and find new pathogens ticks can transmit and carry on a yearly basis, as well," he said. "There's a lot we do know, and a lot we don't know." [WGME](#) (Channel 13 in Portland) also carried the BDN report.

Pond scum health concerns discussed at water conference, Free Press reports

07 Apr 2017

[The Free Press](#) reported researchers, technologists, lake volunteers and water quality specialists spoke about the connections between blue-green algae, or cyanobacteria, blooms and human health at the 2017 Maine Sustainability & Water Conference. Sponsored by the University of Maine's Senator George J. Mitchell Center for Sustainability Solutions and the U.S. Geological Survey, the annual water conference, which attracted almost 400 people this year, provides a broad look at the role of water in Maine. The Mitchell Center's role is to bring together a range of people interested in forest management, solid waste, renewable energy and water quality to work together where their interests in environmental, social, and economic issues overlap. In some cases, cyanobacteria can create cyanotoxins that affect the nervous system, according to the article. At UMaine's Climate Change Institute, graduate biomedical science and engineering student Matthew Kruger is looking at the links between lakes, cyanotoxins and the role the warming climate plays in the increasing

number of cyanobacteria blooms, the article states. [WVII](#) (Channel 7) also reported on the conference.

Lowell Sun reports on Flagship Match, cites Provost Hecker

07 Apr 2017

[The Lowell Sun](#) of Massachusetts published a State House News Service article titled, “UMaine luring out-of-state students with match program.” In 2015, the University of Maine launched its Flagship Match scholarship program, offering qualifying out-of-state students the chance to attend the Orono campus for the price they would pay to attend their own state’s flagship public school, the article states. “It’s a good thing for the university, and it’s also a good thing for our state,” said Jeffrey Hecker, UMaine’s executive vice president for academic affairs and provost. “The more we can bring young people to Maine, some of them are going to stay.” Hecker said the scholarship program — which provides a level of aid that brings the school’s out-of-state tuition price down to the cost students from Massachusetts and eight other states would pay to attend their own state university — was intended to respond to two challenges. Maine has the oldest median age in the nation and graduates fewer students from high school each year, he said. [Telegram.com](#) of Worcester, Massachusetts and [SouthCoastToday](#) of New Bedford, Massachusetts also published the report.

Emerging approaches to climate change issues focus of April 19 lecture at UMaine

10 Apr 2017

“Climate Change: Scientific Evidence or Alternative ‘Facts’?” will be the focus of an illustrated public lecture April 19 at the University of Maine by Paul Mayewski, director of UMaine’s Climate Change Institute. Mayewski will discuss the emerging approaches to the climate change issue and provide suggestions for public engagement to raise awareness. The free PowerPoint slide presentation at 7:30 p.m., April 19 in the Collins Center for the Arts is sponsored by the Climate Change Institute and UMaine’s Sustainability Office. For more information or to request a disability accommodation, call 581.3406. Mayewski is an internationally renowned explorer and climate scientist who has led more than 55 expeditions into the most remote reaches of the planet to research how the climate system operates and how humans have been involved. He and his CCI colleagues also are applying their scientific findings and newly developed software tools to allow transparent access to climate data and to build a new, innovative framework for climate prediction.

Roiland to give free lecture on role of news media in public life

10 Apr 2017

The role of the news media in public life will be the focus of an April 12 lecture at the University of Maine by Josh Roiland, assistant professor of journalism. The 7 p.m. lecture, “Keep Calm and Scroll On: Understanding the News Media’s Influence in Turbulent Times,” in 100 D.P. Corbett Business Building is free and open to the public, and presented by UMaine Conferences and Institutes. For more information or to request a disability accommodation, call 581.4091. In his lecture, Roiland, who also teaches in UMaine’s Honors College, will examine the current media landscape, historical journalistic precedents, and the ways the public uses news. Roiland teaches and writes about journalism and democracy, and literacy journalism. His work has appeared in *The Washington Post*, *Longreads*, *Nieman Storyboard* and the journal *Literary Journalism Studies*.

UMaine Scholarship Fair April 12

10 Apr 2017

The annual Scholarship Fair for all current University of Maine students will be held 11 a.m. to 1 p.m. Wednesday, April 12 in the Bangor Room of the Memorial Union. Representatives from Student Financial Aid, SALT, Student Support Services, Finance Authority of Maine (FAME), and Maine Community Foundation will be available to answer questions while participants will be treated to free fair food. One student participant will win a \$250 scholarship from SALT.

Foster Center, Lobster Institute to present talk by Luke’s Lobster founder

10 Apr 2017

The University of Maine’s Foster Center for Student Innovation and Lobster Institute will host Maine entrepreneur Luke Holden at 6:30 p.m. Wednesday, April 12. Holden is the founder of Luke’s Lobster restaurant, which has 22 locations across the U.S. and five locations in Japan. With its processing plant Cape Seafood in Saco, Luke’s Lobster is dedicated to sourcing sustainable seafood and returning value to Maine’s fishermen. Holden will be at the Foster Center for Student Innovation to discuss his experience in creating and growing a successful restaurant business. Members of the UMaine community are welcome to listen to Holden’s story, ask questions, and learn about how to turn a restaurant dream into a successful business venture. Holden studied finance and management at Georgetown University, and worked as a financial analyst before starting Luke’s Lobster. He also sits on the board of the Lobster Institute, Maine Lobster Marketing Collaborative, and Tenants Harbor Fisherman’s Co-op. The event is part of the Foster Center for Student Innovation’s spring speaker series. To register, call the Foster Center at 581.1454.

Media report on 23rd annual HOPE Festival

10 Apr 2017

The [Bangor Daily News](#) and WABI (Channel 5) covered the 23rd annual HOPE Festival at the New Balance Student Recreation Center on the University of Maine campus. “The festival is an opportunity to pursue [the Peace and Justice Center of Eastern Maine’s] goal of progressive movement-building in our community by making visible the underlying connections between groups working individually toward social change. It is a chance to generate connections and network among organizations, groups and individuals seeking ways to affect change around causes they care about,” event organizers told the BDN. In addition to the Peace and Justice Center of Eastern Maine, the free event is sponsored by the Peace and Reconciliation Studies program at UMaine, ReVision Energy, Pine Tree Youth Organizing, and Maine Initiatives. This year’s festival drew about 60 groups from throughout the region, the BDN reported.

Maine Bound Adventure Center mentioned in BDN article on river race

10 Apr 2017

Ben Koehler, a senior mechanical engineering major at the University of Maine, spoke with the [Bangor Daily News](#) at the Eliot Lamb Memorial Souadabscook Stream Race in Hampden. Koehler, who took part in the race, said he works for the Maine Bound Adventure Center on campus and helps teach kayaking and paddling to students. “I think it’s really good to kind of establish a culture of whitewater paddling at the school,” he said. “It gets students out on the river.”

WABI covers sorority’s Cystic Fibrosis Carnival

10 Apr 2017

WABI (Channel 5) covered a University of Maine sorority’s annual Cystic Fibrosis Carnival. About 100 people showed up for the Delta Phi Epsilon event, which raised more than \$700 for the Cystic Fibrosis Foundation, according to the report. Organizers said the event is all about raising awareness of the disease.

UMaine Composites Center focus of ‘Wild Maine’ radio show

10 Apr 2017

Bob Duchesne’s “[Wild Maine](#)” radio show on 92.9 FM The Ticket took a recent trip to the University of Maine’s Advanced Structures and Composites Center. The show focused on the center and its various research projects that could potentially reinvent Maine’s forest products industry. Stephen Shaler, director of UMaine’s School of Forest Resources and associate director of the UMaine Composites Center, gave Duchesne a tour of the Strand Composites Lab. “What we’re doing here is a lot of industrial research for companies,” Shaler said. “This is a really recognized laboratory that many companies come here — not only the ones in the state, but other companies — to look at new ways of doing things to improve their products.”

WLBZ interviews 2017 valedictorian, salutatorian

10 Apr 2017

[WLBZ](#) (Channel 2) spoke with the University of Maine’s 2017 valedictorian, Allyson Eslin of Bangor, and salutatorian, Joshua Patnaude of Sanford. The two top students will receive a total of five degrees at UMaine’s 215th Commencement. Eslin, who is also an honors student, will receive three bachelor’s degrees in economics, political science and psychology; Patnaude, who also is the Outstanding Graduating Student in the College of Engineering, will receive two degrees in computer engineering and electrical engineering. Patnaude credited time management and getting enough sleep with his success. “It is an exercise in planning and organization, the likes of which I could have never imagined,” Eslin said.

Press Herald recognizes Taylor for sustainability efforts

10 Apr 2017

Glenn Taylor, director of Dining Services at the University of Maine, was named a 2017 Source Award winner by the [Portland Press Herald](#). The paper’s [Source Awards](#) honor the nonprofits, businesses and individuals who are working in Maine to find real-world solutions to environmental challenges. Taylor was given the Scion Award for his efforts to feed the next generation of Mainers and teach them about local food, according to the article. Six years ago, 10 percent of UMaine’s \$6.5 million food budget went to local foods. This year, it’s 15 to 17 percent and still climbing, thanks in part to Taylor’s obsession with finding creative ways to buy from local farmers, the article states. “This is not rocket science,” Taylor said. “It’s about believing in something and talking through it and holding true to your commitments. It’s only dirt and seeds, you know. The rest of it is figuring out how to make it work.” In the last few years, there has been a push to incorporate more local food into dining halls across the University of Maine System, but many of the changes in Orono have been driven by Taylor’s passion for buying local, said Dan Sturupp, executive director of Auxiliary Services at UMaine. “We do have a passion for sustainability initiatives, but Glenn could have done a lot less and still achieved what the campus wanted. But he went above and beyond,” Sturupp said.

International Trade Show showcases experiential learning, goodwill

11 Apr 2017

CEOs often strive to make their businesses bigger and better. Clint Relyea, a lecturer at the Maine Business School, takes a similar approach with the Third Annual International Trade Show — a culmination of his Introduction to International Business course at the University of Maine. Relyea says students are eager to showcase the exports, history and culture of 34 countries Monday, April 24, from 9 a.m. to 4 p.m. The free public show will be held in the main room of the convention center at the Cross Insurance Center in Bangor. This year, for the first time, the event will be held as part of the UMaine Student Symposium, where more than 1,200 graduate and undergraduate students will engage with the public while presenting their research, scholarship and creative activities. Since mid-January, the 140 students enrolled in Relyea’s two international business classes have been economic development officers for their respective countries. This spring’s featured countries include Bangladesh, Bolivia and Bulgaria, as well as Portugal, Poland and Peru, and Thailand, Turkey and Tanzania. Another first — this spring, Liechtenstein, a 62-square-mile principality between Austria and Switzerland, is included in the mix. Student groups — which have met weekly and kept journals — have contacted consulates and embassies. They’ve researched trade and investments and analyzed challenges and opportunities related to conducting business affairs in worldwide markets. Relyea says each student is well versed on his or her respective country’s gross domestic product, gross national income and exchange rate, as well as its education and health care systems. Class members also have embraced learning about their assigned country’s culture and Relyea anticipates a lively atmosphere at the show, including music, dancing, food and videos. Relyea says the project promotes goodwill, in addition to an understanding of international business. “I’m passionate about global citizenship,” says Relyea. “When we know each other better, I think we’re less likely to have conflict.” The exhibitions will be evaluated on content — including knowledge, relevance and quality of information — as well as overall appearance, creativity and effort. Judges will be drawn from the UMaine and Orono communities. The judges’ findings will be announced at 4 p.m. the day of the show; the winning team will receive a gift certificate to Woodman’s Bar & Grill in Orono. Contact: Beth Staples, 207.581.3777

Sherri Mitchell to deliver 2017 Rezendes Ethics Lecture April 19

11 Apr 2017

Humanitarian and lawyer Sherri Mitchell will present the 2017 John M. Rezendes Visiting Scholar in Ethics Lecture at 4 p.m. Wednesday, April 19, in Nutting Hall, Room 100. Mitchell's lecture is titled, "The Heart of Spirit Based Change." A reception will be held at 3:30 p.m. Mitchell was born and raised on the Penobscot Indian reservation. She has a bachelor's degree from the University of Maine, and a Juris Doctorate and a certificate in indigenous people's law and policy from the University of Arizona's James E. Rogers College of Law. Among her many recognitions are the 2010 Mahoney Dunn International Human Rights and Humanitarian Award, and the Spirit of Maine Award in 2015 for commitment and excellence in the field of international human rights. In 2016, Mitchell was included in the esteemed portrait series, "Americans Who Tell the Truth," by Robert Shetterly. Mitchell has a private law practice in Maine, is the founding director of the Land Peace Foundation, and serves as an adviser to the Indigenous Elders and Medicine Peoples Council of North and South America. Her legal experience includes working as a law clerk for the solicitor of the U.S. Department of the Interior in Washington, D.C., and as staff attorney for Pine Tree Legal's Native American Unit. Mitchell is the co-host of "Love (and Revolution) Radio," a syndicated radio program that highlights stories of heart-based activism and revolutionary spiritual change. Her spiritual activism is being featured in a documentary on transformational change makers by New Story Film. Her book "Sacred Instructions; The Heart of Spirit Based Change" will be published in September 2017. The John M. Rezendes Visiting Scholar in Ethics Lecture was established 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.

WABI interviews students enjoying warm weather on the Mall

11 Apr 2017

Several University of Maine students were interviewed by WABI (Channel 5) while enjoying the first warm weather of the season on the Mall. "It's like campus came alive today," said freshman Hunter LaVoie. "I've been out here for four hours straight and I'm just living it up, soaking up the sun," said sophomore Micaela Phillips.

BDN advances kickball tournament to raise funds for mental health services

11 Apr 2017

The [Bangor Daily News](#) reported the University of Maine Student-Athlete Advisory Committee (SAAC) will host a kickball tournament April 13 to raise funds for mental health services. The tournament, which is open to all UMaine students, is scheduled to kick off at 4 p.m. on Morse Field. The cost is \$5 per individual and teams must have at least four men and four women, according to the article. "A lot of people prefer to do something sporting over any other type of fundraiser," said Jillian Lary, a track and field athlete and SAAC president.

Press Herald reports UMaine 4-H Camp and Learning Center, SAD 44 receive grant

11 Apr 2017

The [Portland Press Herald](#) reported the University of Maine 4-H Camp and Learning Center at Bryant Pond was awarded a six-year, \$600,000 grant from the Lerner Foundation. Eight community organizations, each partnered with a local school district, will receive a grant as part of a larger effort to spur the post-secondary educational aspirations of rural middle- and high-school students, the foundation announced. The UMaine 4-H Camp and Learning Center at Bryant Pond offers environmental education programs at SAD 44, according to the article. SAD 44 serves the Oxford County towns of Andover, Bethel, Gilead, Greenwood, Newry and Woodstock.

2017 UMaine Student Symposium to feature research and creative activity

12 Apr 2017

The research and creative activities of more than 1,200 undergraduate and graduate students will be showcased at the second annual University of Maine Student Symposium April 24 at the Cross Insurance Center in Bangor. The free public event will be held from 8 a.m.–6 p.m. and is organized by UMaine Graduate Student Government and the Center for Undergraduate Research (CUGR). The daylong event will begin following an opening ceremony at 9 a.m. and will feature the work of students from academic disciplines ranging from the sciences and engineering to arts and humanities. Research poster sessions, presentations, exhibits and round table discussions will occur throughout the day and the event will culminate in an awards ceremony that will begin at 5 p.m. 200 judges will be in attendance and cash prizes and awards will be given for the symposium's top presentations, posters and exhibits. The 2016 symposium, the first held at the Cross Insurance Center, featured the research of more than 500 undergraduate and graduate students. This year's event more than doubles the number of student participants and, for the first time, will include the business school's [International Trade Show](#) says Ali Abedi, professor of electrical and computer engineering and director of CUGR. UMaine alumnus Sebastian Ventrone, master inventor, will deliver the event's keynote address during the fellowship awards luncheon at noon. Ventrone graduated from UMaine with a bachelor's degree in electrical engineering in 1982 and made a career at IBM. He has authored over a dozen technical papers, a novel entitled "To Design Again" and is a Global Foundry master inventor with 204 granted patents. Following his keynote address, Ventrone will host an innovation round table discussion for students at 3 p.m. and share his lessons in promoting a lifelong path toward innovation. "As the state's only public research university, it is our mission to address the challenges of our state through innovative research and scholarship and our students are directly engaged in the production of new knowledge and creative solutions each step of the way," says Carol Kim, vice president for research and dean of the Graduate School. The Student Symposium offers opportunities for UMaine students to engage with Maine's community members, many of which directly benefit from the research and provides a window into the breadth and depth of the research and creative activities happening at UMaine. **Schedule of Events 9–9:15 a.m.**

- Opening ceremony

9:15–10:30 a.m.

- **Posters:** Arts, Business, Engineering and Info Sci., Biomedical
- **Presentations:** Social Sciences, Physical Sciences
- **Exhibits:** Allied Health, Education, Natural Sciences

10:45 a.m.–noon

- **Posters:** Allied Health, Social Sciences,
- **Presentations:** Business, Education, Natural Sciences
- **Exhibits:** Arts, Engineering and Info Sci., Biomedical, Physical Sciences

Noon–1 p.m.

- **Fellowship Awards Luncheon:**
 - Keynote Presentation with Sebastian Ventrone, “Lessons in Innovation”
 - CUGR Summer Fellowship and Graduate School Fellowship announcements

1–2:15 p.m.

- **Posters:** Education, Natural Sciences, Physical Sciences
- **Presentations:** Arts, Allied Health, Engineering and Info Sci., Biomedical
- **Exhibits:** Business, Social Sciences

2:30–3:45 p.m.

- Aging Across Generations (AGE) Hackathon Awards
- Innovation Round Table with Sebastian Ventrone
- Symposium Social Media Scavenger Hunt

4–6 p.m.

- Social/Reception
- Symposium Award Ceremony

A more detailed schedule of events, program and registration information is available online. For more information, contact Alexandria Jesiolowski, 207.581.3583. Contact: Walter Beckwith, 207.581.3729

UMaine Police Department offering reward for information

12 Apr 2017

The Division of Student Life and the UMaine Police Department are offering a \$500 reward for information leading to the arrest and conviction of the person(s) involved in the vandalism of 12 vehicles parked in the Hilltop lot on campus April 11–12. A routine UMaine PD patrol at 8 a.m. April 12 found 12 student vehicles parked in the Hilltop lot had been vandalized overnight. The vandalism involved spray painted words and images, some sexually explicit. The vehicles were all parked in the same area near the wood line. Damage estimates are not yet available. Contact Detective Keith Mercier, 207.581.4072; keith.mercier@umit.maine.edu with information. Anonymous tips can be left via [Campus Eyes](#). Note that information is always appreciated, but being anonymous makes it difficult to give you a reward.

UMaine Printing Services recognized by national group

12 Apr 2017

The University of Maine Printing Services was recognized by the Association of College and University Printers (ACUP) during the national group’s gala dinner and awards ceremony earlier this month in Cincinnati. UMaine was one of about a dozen in-plants that were honored for achievements in quality, design, sustainability and distinctive service, according to an article by [In-plant Graphics](#). UMaine Printing Services was awarded first place in the “Digital Multiple Page” category for its digital print production of a booklet for the Climate Change Institute. The cover features a holographic image and the words “Exploration and Discovery” and “University of Maine Climate Change Institute.” The 64-page color brochure was a collaborative effort by Printing Services; Betty Lee, assistant director of the Climate Change Institute; and Carol Nichols, senior designer in the Division of Marketing and Communications. Earlier this year, UMaine Printing Services also achieved G7 Master Qualification awarded by Idealliance, a not-for-profit industry group dedicated to guiding print production best practices, specifications and standards worldwide.

UMaine to host first Libby Lecture in Resource Policy on April 19

12 Apr 2017

The integration of science and policy will be the focus of the University of Maine’s inaugural Libby Lecture in Resource Policy on Wednesday, April 19. Byron Kenneth Williams, executive director of The Wildlife Society, will present the 4 p.m. lecture, “Uncertainty, Learning, and a Framework for the Integration of Science and Policy,” in the McIntire Room of the Buchanan Alumni House. A 5 p.m. reception with refreshments will follow the lecture. Williams joined The Wildlife Society in March 2013 after retiring from the United States Geological Survey (USGS) as chief of the Cooperative Research Units, a natural-resources science program with units at 40 universities in 38 states. He also was co-director of the USGS Science and Decisions Center, where he focused on adaptive management, valuation of ecosystem services, and advancing the use of science in natural-resources decision making. Williams holds master’s degrees in mathematics from the University of Oklahoma and statistics from Colorado State University, and a Ph.D. in rangeland ecology from Colorado State. The Libby Lecture in Resource Policy was established at the University of Maine Foundation in 2016 with a gift from Lawrence W. Libby

and Lois Murdock Libby. The annual lecture is a collaborative event coordinated by the College of Liberal Arts and Sciences and the College of Natural Sciences, Forestry, and Agriculture. It is free and open to the public. Lawrence and Lois Libby are both alumni of UMaine. They have dedicated their careers to resource economics, public policy, and in improving civil rights and economic conditions for minorities, women and the disabled. For more information about the lecture or to request a disability accommodation, call 581.1176.

Seacoast Online advances Peronto's gardening, biodiversity book talk in York

12 Apr 2017

[Seacoast Online](#) reported horticulturists Reeser Manley and Marjorie Peronto, a professor with the University of Maine Cooperative Extension, will talk about their book, "The Life in Your Garden: Gardening for Biodiversity" at 7 p.m. April 18 at the York Public Library. The authors will describe how to create gardens that will help stem the tide of species extinctions among insects, birds, amphibians and other endangered creatures, according to the article. Peronto has been teaching courses in gardening, ecological landscaping and pruning for 26 years. She oversees Down East Maine's Master Gardener Volunteers Program, training individuals to conduct community outreach projects that promote sustainable gardening and food security, the article states.

Sorg mentioned in Press Herald article on revised Maine overdose death report

12 Apr 2017

The [Portland Press Herald](#) reported Maine Attorney General Janet Mills released a revised report on drug overdose deaths for 2016 and said the record-breaking numbers further highlight a need for more treatment as well as prevention and education efforts. The report was prepared by Marcella Sorg, an anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine, according to the article. The total number of Mainers who died from drug overdoses in 2016 was 376, which represents a nearly 40 percent increase over 2015, the article states.

UMaine named state's 'best value' college, Boston Business Journal reports

12 Apr 2017

[Boston Business Journal](#) reported on the "best value" colleges in the country according to a new ranking from [SmartAsset.com](#). The website looked at five factors to determine the ranking: tuition, student living costs, scholarship and grant offerings, retention rate and starting salary, according to the article. The University of Maine was named first in the state.

Emily Illingworth: Fearless fortitude

12 Apr 2017

What is the key to success? Emily Illingworth might say it is failure. Even when failure seems as likely an outcome as success, Illingworth is not afraid to reach. She sees failure as an opportunity to learn and grow, and her many achievements at the University of Maine are a result of this fearlessness and fortitude. The first-generation college student from Brewer experienced more than her share of adversity before coming to UMaine. Her father died when she was a child and, as a result, her family became financially insecure. By the time Illingworth was 18, she had moved 14 times. Such challenges might have deterred some from considering college, but not Illingworth. "I always knew I was going to have to work harder," says Illingworth, "and so I did." In high school, she took AP classes, did extracurricular activities and received good grades. She single-handedly navigated college applications and the FAFSA. Her hard work paid off. In fall 2013, she enrolled at UMaine to major in biochemistry. Illingworth attributes her perseverance to her mother, who taught her how to remain optimistic in the face of adversity. Illingworth describes her family as her anchor. In her first semester, Illingworth enrolled in HON 150: Dirt to DNA, a phage genomics class taught by professor emeritus Keith Hutchinson and Sally Molloy, the Honors preceptor of genomics. HON 150 is a class where the students learn how to learn, Molloy says. First-year students work with mycobacteriophage — viruses that infect bacteria — and gain extensive laboratory skills. Molloy says the science skills matter less than what she hopes the students will learn overall: to embrace the challenges that come with learning. "I tell my students from day one that failure is okay. In fact, it is encouraged," says Molloy, noting that the liberation allows students to get beyond the fear of making mistakes. Illingworth stood out in her class. Molloy remembers Illingworth as "a student that was never afraid to initiate. She wasn't afraid to do something new." The following year, Molloy invited Illingworth to become a research assistant in her lab. Molloy noted that she is a fast learner and skilled lab technician. Molloy guided her development as a scientist and a researcher, supporting work that has become increasingly complex and driven by Illingworth's own discoveries. Illingworth is also a teaching assistant for Hutchinson in the second semester of the Dirt to DNA class. She teaches the new cohort of phage students the lessons she learned in Molloy's class — to take challenges head on, and learn from failure. Hutchinson admires Illingworth's "deep knowledge of the material, her confidence in her knowledge and her compassion for the students." Molloy agrees. She notes that Illingworth has a natural ability to connect with the students while helping them learn. "She takes care of business, but she takes care of everyone else along the way," says Molloy. Molloy is not Illingworth's only mentor. Melissa Ladenheim, associate dean of the Honors College who also teaches in the Civilizations sequence, also helps Illingworth reach for more. Illingworth remembers a particular class with Ladenheim. It was in a pilot course on civic engagement in which students participated in a privilege walk demonstrating the ways individuals' circumstances can advantage or disadvantage them. Students were given random scenarios to "walk" and, by chance, Illingworth ended up at the back. Illingworth had been given a story of someone who, like her, lacked advantage and was facing an outcome very similar to her own. The privilege walk reinforced what Illingworth already knew: she had to work harder than everyone else to get to where she wanted to go. And she was quite prepared to do so. At UMaine, Ladenheim made sure that Illingworth didn't have to do it on her own. She puts Honors students first, and works hard to support them by providing resources and opportunities to keep them moving forward academically and professionally. "She is always sure to send along any opportunities that may be of interest to both her current and former students, and she has been not only a mentor, but a dear friend," says Illingworth of Ladenheim, whose open door policy makes it easy to seek guidance whenever students need it. Those sentiments are mutual for Ladenheim. "I was impressed very early on by Emily, both academically and personally. She is incredibly caring and compassionate, born in part from her keen awareness of the inequities that arise by virtue of one's circumstances," Ladenheim says. Pursuing a leadership minor is a natural extension of her commitment to community service. Illingworth has a long history of helping others and her community, driven by the belief that "volunteering contributes to your overall understanding of how the world works and gets you out of your bubble." Her work includes her service this past summer as a counselor at a camp for children with muscular dystrophy. Illingworth embraces opportunities to hone her leadership skills, such as taking part in the Maine NEW (National Education for Women) Leadership program, designed to educate and empower women and encourage their participation in civic life. She has been involved with the Honors College Student Advisory Board and Operation H.E.A.R.T.S (Hands-on Educational

Association Reaching out Through Service). Illingworth also volunteers for the RiSE Center's Expanding Your Horizons, a conference introducing middle school girls to STEM education and careers. In recognition of her scholarship, leadership and commitment to community service, Illingworth was selected for the exclusive All Maine Women Honor Society. Illingworth is completing her undergraduate Honors thesis, "Genomic Variation and Host Range in Mycobacteriophage," on how different phage behave in alternative mycobacterial species. Her passion and dedication to biochemistry has led to her own novel research on mycobacteriophage, where she is contributing to the understanding of phage microbiology. Illingworth has presented her research at several conferences, including the National Collegiate Honors Council Annual Conference, the Center for Undergraduate Research Academic Showcase, and at the prestigious Howard Hughes Medical Institute's Janelia Farm Research Campus. Illingworth's research has been supported by several competitive scholarships including an INBRE (IDeA Network of Biomedical Research Excellence) research fellowship, the Frederick Radke Undergraduate Research Fellowship and the Helen Stinchfield '18 Scholarship. Through it all, Illingworth remains humble, gracious and kind, and a firm believer that failure is an opportunity, not an endpoint. After graduation in May 2017, Illingworth plans on pursuing a Ph.D. in toxicology, physiology and molecular mechanisms at Johns Hopkins Bloomberg School of Public Health. By Noelle Leon-Palmer; contact: Margaret Nagle, 581.3745

Participants sought for interactive storytelling event

13 Apr 2017

Maine-Wabanaki REACH in collaboration with the University of Maine Art Education Community Outreach are seeking participants for an interactive storytelling event. The groups will explore events in the shared history of Europeans and their descendants, and Wabanaki people, the indigenous people of Maine. The event will take place in Lord Hall, Room 202 from 3:30–5 p.m. on Maine Day, May 3. Participation is limited to 30 participants. To RSVP, email Constant Albertson at constant@maine.edu by April 18. More information about the event is [online](#).

Creating more diversity in forestry focus of visiting professor's talk

13 Apr 2017

The University of Maine School of Forest Resources and Native American Studies Program will present a talk by Visiting Libra Diversity Professor Caroline Brackette on April 17. Brackette will discuss "Cultural Competency, Diversity and Forestry" from 11 a.m. to noon in Norman Smith Hall, Room 107. The School of Forest Resources and Native American Studies Program are co-hosting Brackette as Visiting Libra Diversity Professor with the goal of strengthening multicultural competency within the forestry program, and enhancing the participation and professional development of Native American and other minority students. During her talk, Brackette will discuss her observations, recommendations, and perspective on progress toward a more diverse and inclusive forestry program and profession. Brackette is a licensed professional counselor and associate professor of counseling at Mercer University's Penfield College. She has experience in supporting underrepresented students through leadership development and growth of cultural competency in scientific and natural resource disciplines.

Ladenheim named 2017 Steve Gould Award winner

13 Apr 2017

Melissa Ladenheim, associate dean of the Honors College, has been named the 2017 Steve Gould Award winner at the University of Maine. The Steve Gould 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. The award will be presented April 25 at the Employee Recognition and Awards Luncheon. Ladenheim was cited for her unwavering passion to serve students and the community. She is a dedicated educator, and academic mentor and adviser, and was recognized by All Maine Women with the Distinguished Mentor Award in 2014 and 2015. As an educator and engaged community member, Ladenheim is committed to creating dialogues that empower and promote understanding, particularly for those who are marginalized and disenfranchised. Ladenheim takes an active role in advocating for social justice and equality — from her efforts as coordinator of UMaine's Judaic Studies Program from 2014–16 to helping organize Islamic Awareness Week. Since 2013, Ladenheim has served on the advisory committee and as a workshop presenter for the UMaine Diversity Leadership Institute. In addition, she has been a campus leader in raising awareness of food insecurity in Maine and beyond. She has helped mobilize students and other stakeholders in meal-packing events, preparing ready-to-heat meals for low-income people in the state and needy populations elsewhere in the world. To date, Ladenheim has participated in packing nearly 100,000 meals on the Welcome Weekend Day of Service and Martin Luther King Jr. Day of Service. This spring, she is advising the Honors Student Advisory Board in its Hungry 100K: Maine Day Meal Pack-out, which has a goal of raising \$25,000 to pack 100,000 meals to combat food insecurity statewide. Last year for her community service leadership, she received the Dean Lucy Award from the Bodwell Center for Service and Volunteerism. And in 2012, she received the Donald Harward Faculty Award for Service-Learning Excellence given by Maine Campus Compact in recognition of valuable contributions to service learning at UMaine. Ladenheim is a founding member of the Sustainable Food Systems Research Collaborative in the Honors College, an interdisciplinary initiative that combines academic work and community engagement to identify and address problems in the food systems. In 2016, she also launched the Servant Heart Research Collaborative, a project in which teams of faculty and students collaborate to address the needs of children in Sierra Leone. Ladenheim joined the Honors College as an adjunct faculty member in 2005.

Wiscasset Newspaper advances Dagher's talk in Bristol

13 Apr 2017

[Wiscasset Newspaper](#) reported Habib Dagher, executive director of the University of Maine's Advanced Structures and Composites Center, will speak April 25 at the Lincoln County Regional Planning Commission's 2017 annual meeting at the 1812 Farm in Bristol. The event begins at 5 p.m. with networking and refreshments, and includes highlights of the past year and board elections. The meeting is open to the public. Local officials, residents, businesses, and nonprofits are encouraged to attend, the article states.

Media review performance by Bangor Symphony Orchestra, UMaine choral groups

13 Apr 2017

[The Ellsworth American](#) and [Bangor Daily News](#) reviewed the annual spring concert featuring the Bangor Symphony Orchestra and singers from University

of Maine choral groups. More than 120 members of the Oratorio Society and University Singers joined the orchestra for the performance that was conducted by Lucas Richman. The combined choruses were made up of students and community members under the direction of Francis Vogt, the BDN reported.

Markowsky speaks with WLBZ about how to avoid cyber attacks

13 Apr 2017

[WLBZ](#) (Channel 2) interviewed George Markowsky, a professor of computer science at the University of Maine, about how to avoid cyber attacks. Markowsky said a lot of people are easy targets and “cyber criminals will hit the easiest target they can.” He added the digital age has made the struggle between convenience and security a tough battle to fight for many people, WLBZ reported. To help protect yourself from such attacks, Markowsky offered tips such as choosing strong passwords, not posting personal information on social media and updating mobile apps to ensure you have the most secure version. “Every time you put your personal information on a website, you’re trusting that website in the same way you trust someone when you give them your keys,” said Nick Dieffenbacher-Krall, one of Markowsky’s students.

‘Years of Living Dangerously’ documentary series to be shown at CCA

14 Apr 2017

The complete first season of Showtime’s “Years of Living Dangerously” will be shown at the Collins Center for the Arts from 1–4:30 p.m. April 18–20. The Emmy award-winning documentary series reveals emotional and hard-hitting accounts of the effects of climate change from across the planet. “Years of Living Dangerously” combines the blockbuster storytelling styles of top Hollywood moviemakers with the reporting expertise of today’s respected journalists. The television series won the 2014 Primetime Emmy for Outstanding Documentary or Nonfiction Series. The “Years of Living Dangerously” film series is free and open to the public. It is sponsored by the Climate Change Institute and UMaine’s Sustainability Office. The series will be screened in three parts:

- Tuesday, April 18:
 - Episode 1: Dry Season (Harrison Ford, Don Cheadle and Thomas L. Friedman)
 - Episode 2: End of the Woods (Harrison Ford and Arnold Schwarzenegger)
 - Episode 3: The Surge (Chris Hayes and M. Sanjayan)
- Wednesday, April 19
 - Episode 4: Ice and Brimstone (Ian Somerhalder and Lesley Stahl)
 - Episode 5: True Colors (Olivia Munn and Mark Bittman)
 - Episode 6: Winds of Change (America Ferrera and Mark Bittman)
- Thursday, April 20
 - Episode 7: Revolt, Rebuild, Renew (Jessica Alba, Thomas L. Friedman and Chris Hayes)
 - Episode 8: A Dangerous Future (Matt Damon, Michael C. Hall and Thomas L. Friedman)
 - Episode 9: Moving a Mountain (Michael C. Hall, M. Sanjayan, Thomas L. Friedman and UMaine’s Paul Mayewski)

UMaine community welcome to attend Healthy High pre-race concert

14 Apr 2017

Members of the University of Maine community are welcome to attend a free concert before the start of the 10th annual Healthy High road race on campus Thursday, April 20. The Ex Pandas, Phosphenes, and The Cards will perform at the tennis court lot beginning at 2:30 p.m. Lawn games and ice cream also will be available. The bands will perform until the 5 p.m. kick-off of the 5k/10k races, which begin at UMaine’s New Balance Student Recreation Center. The 1-mile run/walk is free and will begin at 5:15 p.m. The annual race is presented by University Credit Union and promotes health and wellness for members of the university and surrounding community. Early registration is available [online](#) or at the Student Wellness Resource Center, Room 235 in the Memorial Union, by noon April 19. Race-day registration also is available. Proceeds benefit the UMaine Bodwell Center for Service and Volunteerism and the Black Bear Exchange food pantry and clothing exchange. In addition, donations of used footwear will be collected for Soles4Souls. For more about the race or to request a disability accommodation, visit the event [website](#), call the Student Wellness Resource Center at 581.1423, or email Lauri Sidelko at sidelko@maine.edu.

Camp North Woods mentioned in Ellsworth American article on game warden’s talk

14 Apr 2017

Camp North Woods was mentioned in an [Ellsworth American](#) article on a recent Winter Harbor talk by John MacDonald, a corporal with the Maine Department of Inland Fisheries and Wildlife. MacDonald spoke to attract recruits and inform the general public now that the popular “Animal Planet” television show that focused on the department is over, according to the article. Camp North Woods, which the department initiated in 2015, is a direct result of the growth of interest in “North Woods Law,” the article states. The camp is designed to provide youth and their families with opportunities to learn lifelong outdoor skills and become educated about the importance of sustaining Maine’s natural resources, according to the agency. It is held at and hosted by the University of Maine 4-H Camp and Learning Center at Bryant Pond.

UMaine football to play two games in Portland, media report

14 Apr 2017

The [Bangor Daily News](#) and WLBZ (Channel 2) reported on a recently announced partnership among the University of Maine, Learfield and Gorham Savings Bank that will bring the football team to Portland twice during the upcoming season. The Black Bears will play its annual Jeff Cole Memorial Spring Scrimmage at Fitzpatrick Stadium on May 6 and will return to the stadium Nov. 4 for a regular season conference game against Delaware. “Portland is a great

city. It's a passionate sports city and playing there could be a major asset to our program," said UMaine head coach Joe Harasymiak. "We want to engage that community. We are the flagship university and the only Division I school in the state, and we want football to be important around the state." The last time UMaine football played in Portland was 2005, media reported.

Brewer speaks with Maine Public about ranked-choice voting arguments

14 Apr 2017

Mark Brewer, a political science professor at the University of Maine, spoke with [Maine Public](#) for a report on the Maine Supreme Judicial Court recently hearing oral arguments about the state's ranked-choice voting law. The court's views on the constitutionality of the law will likely influence legislators to either keep the first-in-the-nation system, ditch it altogether or try to amend the constitution, Maine Public reported. The system could influence Gov. Paul LePage's potential challenge to independent U.S. Sen. Angus King, the report states. "A ranked-choice voting system makes his road to victory more difficult, and I think it might change his calculus, for sure," Brewer said.

Q106.5 cites UMaine Extension services, Dill in report on ticks

14 Apr 2017

Bangor radio station [Q106.5](#) mentioned services offered by the University of Maine Cooperative Extension in a report about protection against ticks. UMaine Extension offers free tick identification and can store ticks for up to a year. Jim Dill, a pest management specialist with UMaine Extension, advises never pulling or twisting a tick. Instead, he says to grasp it firmly, as close to your skin as possible, and pull with even pressure. Yanking or twisting could result in the head being left behind, the report states. For more information about how to prevent tick bites, the report linked to the UMaine Extension's Tick Identification Lab [website](#).

UMaine names its 2017 Outstanding Graduating Students

14 Apr 2017

The University of Maine has named its Outstanding Graduating Students for 2017. They include: [caption id="attachment_54654" align="alignright"



width="167"] **Donald Bistri**, Outstanding Graduating International Student in the College of Engineering Donald Bistri of Tirana, Albania is a mechanical engineering major who has been a student research assistant for two years in the Advanced Structures and Composites Center (ASCC). At UMaine, his honors included the Alton S. and Adelaide B. Hamm College of Engineering Scholarship. At ASCC, Bistri's research focused on the structure of a hypersonic inflatable aerodynamic decelerator (HIAD) technology developed by NASA to enable spaceships to carry astronauts and heavy loads to explore Mars. He also was a research assistant in the Alford W² Ocean Engineering Lab. His capstone project involves the modeling and fabrication of a lightweight autonomous land drone to address the need for a cost-effective, safe method for patrolling borders. When not in the research lab or in class, Bistri is on the field as part of the Friday Night Soccer Club. He has been a mathematics tutor, and a grading assistant in the departments of mechanical engineering and mathematics and statistics. Bistri has been awarded a full scholarship to pursue a master's degree



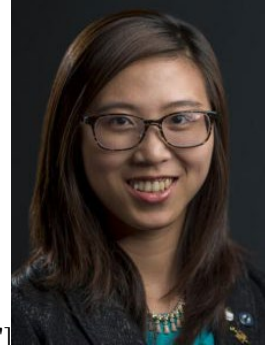
in aerospace engineering at Georgia Institute of Technology. [caption id="attachment_54655" align="alignright" width="167"] **Chad Caron**, Outstanding Graduating Student in the Division of Lifelong Learning Chad Caron of Milford, Maine is majoring in university studies with a focus on leadership and a minor in psychology. His senior research paper explored ways in which leaders can more effectively lead younger generations. Caron has worked full time for Dead River Company in Brewer, Maine for the past several years, initially as an energy advisor and more recently as market manager. He served in the U.S. Navy from 1997–2002. Caron's honors at UMaine include the Presidential Achievement Award. He will continue with his education, pursuing an MBA at the Maine Business School. [caption id="attachment_54656" align="alignright" width="167"]



Afton Hupper[caption] **Afton Hupper, Outstanding Graduating Student in the College of Natural Sciences, Forestry, and Agriculture** Afton Hupper of St. George, Maine is an Honors student majoring in ecology and environmental sciences, with a concentration in sustainability, environmental policy and natural resource management, and a minor in sustainable food systems. Her many academic honors include a Boyle Associates Scholarship and a Stantec Consulting Scholarship. Hupper received Second Prize in the 2015 John M. Rezendes Ethics Essay Competition. She was a Sustainable Food Systems Research Collaborative Fellow in the Honors College, and interned with the Orono Economic Development Corporation and Good Shepherd Food Bank of Maine. Hupper has been a research assistant on two projects: one studying the effects of epizootic shell disease on Maine’s lobster industry, and another studying cooperation buying clubs and consumer food cooperatives. She has presented her research on campus and at regional and national conferences, participated in the Maine Hunger Dialogue, and volunteered with the Orono Community Garden. Her Honors thesis is: “The Role of Cooperation and Prosocial Behavior in Food Buying Clubs: An Exploratory Study.” Hupper will pursue a master’s degree at UMaine in natural resource



economics and policy. [caption id="attachment_54657" align="alignright" width="167"] Sigrid Koizer[caption] **Sigrid Koizar, Outstanding Graduating International Student in the College of Natural Sciences, Forestry, and Agriculture** Sigrid “Sigi” Koizar of Vienna, Austria is a biology major, with a pre-med concentration and a minor in chemistry. Koizar, a guard and 2016–17 captain on the UMaine women’s basketball team, is a two-time “M” Club Dean Smith Award winner. Her many other honors on the court and in the classroom include the CoSIDA Academic All America Second Team and the School of Biology and Ecology Junior Academic Award for highest GPA. She is a three-time America East All Academic Team and America East Commissioner’s Honor Roll. Koizar has been a peer tutor and collaborated on her capstone research project with professor Kristy Townsend. She will be



playing professional basketball in Europe. [caption id="attachment_54658" align="alignright" width="167"] Hoang Anh Thi Le[caption] **Hoang Anh Thi Le, Outstanding Graduating International Student in the Maine Business School** Hoang Anh “Christine” Le of Hanoi, Vietnam is majoring in accounting. Although English is not her first language, her Honors thesis is: “A Creative Thesis: The Me You Don’t Know.” Le interned with KPMG in Boston and Purdy Powers & Company in Portland, Maine. For three consecutive terms, she served as the vice president of financial affairs in Student Government. She was an instructor assistant in accounting, a resident assistant, and a student accounting/finance assistant at the Advanced Structures and Composites Center. Le is a member of All Maine Women, and was a finalist in the UMaine Business Challenge and a Blackstone Accelerates Growth Innovate for Maine Fellow. On campus, she also has been active in SPIFFY and the International Student Association. She received the Academic Achievement in Accounting Award from the Maine Business School. Le will start work as a tax professional at KPMG Boston while pursuing her passion for learning languages. She speaks English, Vietnamese, French and Mandarin Chinese. [caption id="attachment_54659" align="alignright" width="167"]



Maude Meeker[/caption] **Maude Meeker, Outstanding Graduating Student in the College of Education and Human**

Development Maude Meeker of Naples, Maine is an elementary education major, with a concentration in English as a second language. Her honors thesis is: “Analyzing Student Opt-Out of Standardized Testing in Maine.” Meeker received the Cumberland County Retired Educators Association Scholarship. She did her field experience and student teaching at Brewer Community School, and taught for a semester at the British Royal School, Santiago, Chile. On campus, Meeker plays intramural soccer, and has been an IEI conversation partner, a Black Bear Mentor and member of the Honors College Student Advisory Board. She has worked as an after-school counselor for Orono and Veazie, and volunteered at the Orono Gardening & Cooking Club. Meeker also has been a student research assistant, collaborating with professor John Jemison on potato trials at Rogers Farm. She will pursue a career in teaching. [caption

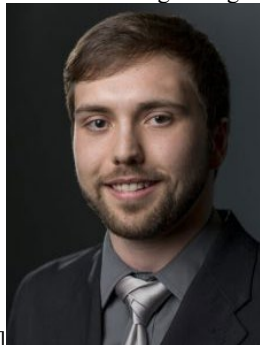


Nhat Han Nguyen Dang[/caption] **Nhat Han Nguyen Dang, Outstanding**

Graduating International Student in the College of Liberal Arts and Sciences Nhat Han Nguyen Dang of Ho Chi Minh City, Vietnam is majoring in chemistry. Her academic honors include the Omar F. and Lenora L. Tarr Scholarship and an Undergraduate Research and Creative Activity Fellowship. For the past two years, Nguyen has collaborated in the lab of professor William Gramlich to develop an innovative hydrogel coating that can be used for marine anti-biofouling applications. She has been a peer tutor and an active member of the International Student Association. She plans to attend graduate school to

pursue a Ph.D. in biomedical sciences. [caption id="attachment_54661" align="alignright" width="167"] Jake Osborne[/caption]

Jake Osborne, Outstanding Graduating International Student in the College of Education and Human Development Jake Osborne of Burlington, Ontario, Canada is a kinesiology – exercise science major. He is a Maine Scholar-Athlete and the Outstanding Student in Kinesiology – Exercise Science. Osborne has been a member of the UMaine baseball and track and field teams, and was named to the America East All-Academic Team this year. He interned with The Performance Lab in Toronto, Ontario, where he will be working after graduation while preparing for medical school. [caption



Joshua Patnaude[/caption] **Joshua Patnaude, Outstanding Graduating**

Student in the College of Engineering Joshua Patnaude of Sanford, Maine is the 2017 salutatorian. He is a double major in computer engineering and electrical engineering. Patnaude is a first-generation college student and a 2013 Mitchell Scholar with numerous honors for academic achievement, including a Maine Space Grant Award. He has held internships every summer of his academic career, working at Great Works Foundation Inc., in Sanford; Pratt & Whitney in North Berwick; Portsmouth Naval Shipyard in Kittery; and Modern Grid Partners in Portland. During the academic year, Patnaude has been an undergraduate teaching assistant in UMaine’s Department of Electrical and Computer Engineering. He also served as a peer tutor. For two years, Patnaude

served as president of the UMaine Black Bear Robotics Club and since 2014, has helped promote interest in engineering and science by volunteering more than 500 hours at high school VEX robotics competitions. Patnaude is an Eagle Scout and holds a black belt in karate. Patnaude plans to pursue a career in electrical and computer engineering. He eventually wants to become a licensed professional engineer and pursue an MBA. [caption id="attachment_54663"



align="alignright" width="167"] Adeline Mae Hogan Schneider[/caption] **Adeline Mae Hogan Schneider, Outstanding Graduating Student in the College of Liberal Arts and Sciences** Adeline Mae Hogan Schneider of Bowdoinham, Maine is an Honors student and a double major in philosophy and human dimensions of climate change, with a minor in mathematics. Her numerous academic awards include the Roger B. Hill Humanities Scholarship, and the George and Helen Weston Scholarship for Excellence in Mathematics. Her Honors thesis is: "Mass-Producing Indigeneity: State and NGO Discourse and Action Around Indigenous Knowledge in Bolivia." Schneider interned with Environment Maine and has been a research assistant, collaborating with professor Cindy Isenhour on a study of the reuse economy in Maine. On campus, she also has been involved with Green Team, the Student Alliance for Sexual Health, the Student Women's Association and the Philosophy Club. This summer, she will be in Nicaragua, collaborating with graduate student Anna McGinn on a climate adaptation research project. Contact: Margaret Nagle, 207.581.3745

Mayewski teams with LumenARRT! for large-scale video project

17 Apr 2017

LumenARRT!, the video crew of the Artists' Rapid Response Team, has joined with Paul Mayewski and others to create large-scale climate change projection events in Congress Square in Portland. April 22, the night of the March for Science, and May 5, the night of First Friday Art Walk in Portland, the brief video projections will repeat 7:45-9 p.m. The projections will feature animations about climate change and toxic substances in the air. Viewers will be invited to visit 10Green.org, enter their ZIP code, and learn about air quality in their area. #WhatsYourBreathableNumber will be the Twitter hashtag for viewers to share their experiences during the projections, and view results in the square. The 10Green website and technology were created by the University of Maine School of Computing and Information Science and GarrandPartners, with support from Heinz Endowments. "The biggest myth that I encounter with the public's perception of scientists is that we're in disagreement about climate change," says Mayewski. "It's simply not true. All scientists agree that climate change is real." ARRRT!, a project of the Union of Maine Visual Artists, has created more than 200 issue-oriented banners to promote the work of progressive nonprofits throughout the state. LumenARRT! creates video projections to call attention to the work of the nonprofits.

Percussion Ensemble's performance posted in BDN

17 Apr 2017

The Bangor Daily News carried a community announcement about the University of Maine Percussion Ensemble's performance for Piscataquis Community Elementary School students April 13.

WABI-TV covers Harold Borns Symposium

17 Apr 2017

WABI-TV interviewed Paul Mayewski, director of the Climate Change Institute, at the 25th annual Harold W. Borns Jr. Symposium. At the two-day event, more than 60 research topics were presented, ranging from the increase in deer ticks to extreme weather implications for Acadia National Park. "They (graduate students) need to understand how to translate what they're doing in their research into understandable things in short periods of time," Mayewski says.

WLBZ highlights Black Bear Food Guild

17 Apr 2017

[WLBZ reported on the student-run Black Bear Food Guild and its community-supported agricultural share program.](#) The program provides fresh produce on a weekly basis from mid-June through early October to customers who purchase "shares." A full share costs \$500 and is for three to four people, a half share costs \$325 and is recommended for two people, and a quarter share costs \$175 and is for one person. Guild leader Parker Anderson, a sophomore with plans to become an organic vegetable farmer, says she enjoys applying what she learns in the classroom. For more information, contact the Food Guild at blackbearcsa@gmail.com.

Landon lends expertise about potholes for BDN piece

17 Apr 2017

Melissa Landon, associate professor of civil and environmental engineering, was cited in a [Bangor Daily News story about frost heaves](#). She says it's best to build roads over soil that does not trap water, as it can freeze in the winter. "You are mostly going to see them [potholes] where the soil beneath the road is the type that traps and holds moisture, like clay." Interstate 95 and the Maine Turnpike are, for the most part, free of frost heaves, Landon says, because they're "engineered and built with a good soil base and drainage and taken care of to prevent water from collecting."

Ellsworth American talks with Mortelliti about Acadia project

17 Apr 2017

The Ellsworth American reported that Alessio Mortelliti, an assistant professor in the Department of Wildlife, Fisheries, and Conservation, will be conducting [climate change research in Acadia National Park this summer](#). Mortelliti's research is aimed at helping Acadia protect its resources, build the public's appreciation for science and delve into critical issues facing national parks and society, according to the article. "The results of our field experiments will allow managers to predict how local forest communities might change in the coming years and thus allow them to take the appropriate actions in time," Mortelliti said. His lab, which focuses on the effects of land use change on mammals and birds, will look at the northward movement of plant species as temperatures increase. Many plant species, he said, reach their northern limit just south of Acadia and are expected to shift northward into the park. He will use replicated field experiments to gain insights into which tree species may expand northward successfully. Mortelliti also will explore how rodents play a role in which plant species successfully colonize the park. His fellowship is with the Second Century Stewardship program; Mortelliti will receive research support, housing at the Schoodic Institute and science communication training.

Portland Press cites researchers about March of Science

17 Apr 2017

Four University of Maine scientists — Paul Mayewski, Jacquelyn Gill, David Hart and George Jacobson — were referenced in a [Portland Press Herald article](#) about the March for Science on April 22. Mayewski, director of the Climate Change Institute, says for the scientific community, this is a wake-up call to be more involved in how people perceive science. "That means they need to be able to engage with everything and everyone from the public to other scientists," says Mayewski, who is teaming with Lumenarr! for an event April 22 that will merge science and art by projecting messages in Congress Square. Jacobson, former CCI director, says he has opinions but doesn't talk about them because he wants people to understand the science as objectively as possible. "My goal is not to advocate a particular policy or political position but to have people understand the issues. There are a lot of competing interests that are legitimate. I don't think scientists telling people what to do is very helpful. Helping them understand the science is the best thing we can do." A couple of Gill's tweets are referenced in the article, including one in which she writes that science "has never, ever been apolitical, because it is inherently a human endeavor." Gill is an assistant professor of paleoecology and plant ecology. Hart, director of the Senator George J. Mitchell Center for Sustainability Solutions, says some wonderful, committed scientists won't be marching. "But they aren't saying, 'We need to hide out and hunker down.' We need to get out and speak in local settings where science is one of the things that can lead to a better future," he says.

Sondra Perry to present as part of Tuesdays at the IMRC

18 Apr 2017

Video and installation artist Sondra Perry will present her work April 18 at the University of Maine's Innovative Media Research and Commercialization (IMRC) Center. Perry's 7 p.m. presentation is part of Tuesdays at the IMRC, the UMaine Intermedia MFA program's visiting artist lecture series. Through the use of video, installation, video game software, and performance, Perry's work probes the relationships between, identity, technology, politics and violence within the contemporary black experience. All series presentations will take place at 7 p.m. Tuesdays at the IMRC Center. They are free and open to the public. A complete schedule is online. The series is made possible through the support of the UMaine Cultural Affairs/Distinguished Lecture Series Fund, Skowhegan School of Painting and Sculpture, The VIA Agency, Correll Professorship in New Media, and the UMaine intermedia and new media departments.

Traffic advisory for April 20

18 Apr 2017

The 10th annual Healthy High 5k/10k and 1-mile run/walk will be held at the University of Maine at 5 p.m. Thursday, April 20. More than 500 runners 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 should use caution. The following roads will be closed from 4:30–5:30 p.m.:

- Hilltop Road (Rec Center parking lot area)
- Rangeley Road out to Park Street (Bangor Savings exit)
- Long Road entrance at College Ave. (next to the Alford Arena)

UMaine community members are encouraged to make arrangements to leave early, stay late or join the race. Registration is [online](#). UMaine Human Resources is encouraging departments to permit employees to leave campus a little earlier than 4:30 p.m. to avoid the start of the race. Where continuous operation is required, schedules should be arranged to allow as many employees as possible to leave early. For more information or concerns, contact Human Resources at 581.1581.

Mount Desert Islander previews talk by Singleton

18 Apr 2017

[Mount Desert Islander](#) reported Seth Singleton, an adjunct professor of political science and Libra Professor of International Relations at the University of Maine, will speak at the Northeast Harbor Library at 5:30 p.m. April 25. Singleton's talk is titled "America First Foreign Policy: The Project to Re-order the World."

UMaine Extension seminar mentioned in Press Herald column on native plants

18 Apr 2017

A daylong seminar for garden professionals was mentioned in the latest article in the [Portland Press Herald](#) “Maine Gardener” column. The article, “Native plants may be in short supply in your garden,” cited the event that was held at the Cumberland County Cooperative Extension office in Falmouth. The seminar included a briefing on native plants, according to the article. Horticulturists Reeser Manley and Marjorie Peronto, a professor with UMaine Extension, suggested native plants that suit specific types of Maine landscapes, the article states.

English Department, Pratt help woman share story of son’s murder, WLBZ reports

18 Apr 2017

[WLBZ](#) (Channel 2) reported Shirley Turner of Patten recently wrote a book about her son’s murder, titled “Destroying Angel.” Bruce Pratt, a novelist and English teacher at the University of Maine, has been helping Turner since 2010, when she came to UMaine’s Department of English seeking help, according to the report. Pratt said he is helping Turner put her book into manuscript form so she can get it published. “Shirley’s story is real, there’s no fiction here,” he said. “The fact that she can be so positive about moving forward just struck me that this is a story that needed to be told.” [WVII](#) (Channel 7) and [WAGM](#) (Channel 8 in Presque Isle) also reported on the book.

UMaine, Maine Brewers’ Guild study cited in Mainebiz article on industry challenges

18 Apr 2017

A study released by the Maine Brewers’ Guild and conducted by the University of Maine School of Economics was cited in the [Mainebiz](#) report, “Next act: New challenges arise as craft brewing industry matures.” Craft breweries are no longer just competing in the beer industry, but in the bigger alcohol and beverage industry, according to the article. The recent Maine Brewers’ Guild and UMaine study found an average of six craft breweries opened in the state each year over the past decade, with breweries spreading beyond Portland to rural Maine, the article states.

Richards speaks with Maine Public for report on proficiency-based diplomas

18 Apr 2017

Chris Richards, director of recruitment at the University of Maine, was interviewed by [Maine Public](#) for the report, “Maine families concerned about proficiency-based diplomas hurting kids’ college chances.” As educators in Maine continue the transition to new, state-mandated proficiency-based diplomas, some have swapped out the traditional letter grades to numbers, according to the report. Richards said colleges have always dealt with unusual grading systems from private or progressive school. “Some schools may have five different grading scales at one school,” Richards said. “One’s a seven-point scale. One’s five. One’s four. And you’ve got to decipher all of that and work through that to make the best choice for a candidate.” To do that, he said, UMaine relies on more than just grades, including extracurriculars, letters of recommendation and standardized test scores. Richards said counselors also are in constant contact with area high schools to stay up-to-date so they can understand these new grading systems and accurately assess students. The [Bangor Daily News](#) also published the Maine Public report.

Jesse Orach: Outstanding at optimizing performance

19 Apr 2017

When Jesse Orach starts his job as a process engineer at Verso’s Androscoggin Mill in Jay later this spring, he’ll strive to optimize the paper machines’ performance. Maximize output and minimize energy use and waste. Orach excels at achieving results. During his five years at the University of Maine, the Gorham native has demonstrated productivity and industriousness. When Commencement is celebrated May 13, Orach will have earned an MBA, a bachelor’s degree in chemical engineering and a minor in mathematics. He also will have the distinction of being one of two people ever to be named a two-time recipient of the “M” Club Dean Smith Award. Since 1993, the prestigious award has been given annually to the top UMaine male and female student-athletes who exemplify outstanding academic and athletic achievement, citizenship and community service. Women’s basketball captain Sigi Koizar, a biology major with a pre-med concentration and chemistry minor, is the other two-time recipient. The native of Austria will graduate this spring with a 3.97 GPA. Dean Smith, the award’s namesake, graduated from UMaine in 1990. The electrical engineering major and basketball captain set a standard for academic and athletic excellence, earning the NCAA Walter Byers Award as the nation’s best male scholar-athlete. Smith notched a 3.89 GPA, was a First Team Academic All-American and a New England Basketball Coaches Association Division I All-Star. While Orach has been earning a perfect 4.0 GPA in pursuit of an MBA during his fifth year at UMaine, he’s simultaneously been excelling in cross-country and track. In fall 2016, he excelled on cross-country courses from Maryland to Maine. He won five America East Performer of the Week honors and capped the season by capturing the individual America East Cross Country Championship in 24:35.3 at University of Maryland, Baltimore County. “That was the longest 15 minutes of my life,” says Orach, referring to the latter portion of the 8K race. That’s when he surged to the lead and bolted the remainder of the way with no other runners in sight. The second-place runner crossed the finish line a full 9 seconds behind him. Orach says UMaine coach Mark Lech remarked that for the first time in his college career, Orach took his performance to the next level. For that feat and numerous others, he was named the America East Fall Scholar-Athlete. It’s particularly impressive considering that when Orach enrolled at UMaine, he hadn’t run cross-country. In high school, Orach played outside midfielder for the Gorham boys’ soccer team. In fall 2016, Orach had eligibility remaining in cross-country because he had red-shirted due to injuries his first fall on campus. And he had eligibility remaining in spring 2017 because the second semester his junior year, Orach didn’t compete while taking part in a co-op education program at the Verso mill. Orach says his MBA experience has broadened his outlook. During capstone projects with Professor of Management John Mahon, the self-described data and numbers guy says he’s learned a lot from classmates with varied academic and life experiences who utilize different problem-solving approaches. And the former Pulp & Paper Foundation scholarship recipient says analyzing case studies of strategies employed by struggling companies has given him valuable perspective and ideas. As an undergraduate, Orach earned a 3.95 GPA while majoring in chemical engineering and minoring in mathematics. Among his many undergraduate honors, Orach was named a Presidential Scholar and the Outstanding Graduating Chemical Engineering Student. With about a month of graduate school and track meets remaining, Orach still is striving to optimize his performance. He wants to finish a 5,000-meter run in 14:05 or faster to qualify for the NCAA regional championships in May in Kentucky. Two remaining meets — the Princeton Invitational and the Penn Relays — will have incredible competition and be ideal for accomplishing that feat, he says. Orach says if he doesn’t attain his goal in either of those races, he’ll try again at the IC4A Championships — which are being held Commencement Day — in Princeton, New Jersey. When his college career is complete, Orach says running will remain an integral part of his life. In some ways, he’s still hitting his stride. Last August, for instance, in his first-ever Beach to Beacon 10K in Portland, he won the Maine men’s division in 31:32. Next year, Orach also is likely to visit Orono to cheer on the Black Bears. In addition to his long-time teammates,

the 2017–18 men’s track and field roster will include another runner named Orach. Orach says his brother, Ethan has decided to attend UMaine. During Ethan’s recruiting trip, Orach showed him around campus and introduced him to friends. “It was a weird experience, says Orach. “But coach (Mark Lech) was excited.” Ethan, like his older brother, played fall soccer at Gorham High School and will focus on running track in college. Contact: Beth Staples, 207.581.3777

Physics, electrical engineering major named Goldwater Scholar

19 Apr 2017

Graham Van Goffrier, a physics and electrical engineering major at the University of Maine, has been named a Goldwater Scholar for the 2017–18 academic year by the Barry Goldwater Scholarship and Excellence in Education Foundation. Van Goffrier, of Norwell, Massachusetts, was awarded one of 240 scholarships to undergraduate sophomores and juniors throughout the country. The Goldwater Scholars were selected based on academic merit from a field of 1,286 students nominated by campus representatives from among 2,000 colleges and universities nationwide, according to the foundation. “It is a very great honor to be recognized as a Goldwater Scholar,” Van Goffrier says. “In addition to the financial support, it is a welcome personal encouragement to me as I work toward my future goals in the area of theoretical physics.” The Goldwater Foundation is a federally endowed agency established in 1986. The scholarship program honoring Sen. Barry Goldwater was designed to foster and encourage outstanding students to pursue careers in the fields of mathematics, natural sciences, and engineering. The Goldwater Scholarship is the premier undergraduate award of its type in these fields, the foundation states. The one- and two-year scholarships cover the cost of tuition, fees, books, and room and board up to \$7,500 per year. In addition to two majors, Van Goffrier also is pursuing minors in nanotechnology and mathematics. During the fall 2016 semester, Van Goffrier completed his capstone project in physics on a topic combining string theory and the theory of minimal surfaces. He was advised by physics professor Neil Comins and supported by the Center for Undergraduate Research on campus. He also has spent his summers involved in research at UMaine with Roy Turner in the Maine Software Agents and Artificial Intelligence Laboratory (MaineSAIL), Sam Hess in the Biophysics Research Group, and Mauricio Pereira Da Cunha in the Laboratory for Surface Science and Technology (LASST). “I am always very thankful to the many professors and others throughout the physics and electrical engineering departments who continue to both challenge me and offer support as I work toward my degrees at UMaine,” Van Goffrier says. “In addition, the guidance of Francois Amar, dean of the Honors College, was particularly valuable throughout the Goldwater application process.” This summer, he will participate in the University of Michigan’s Research Experience for Undergraduates program at the European Organization for Nuclear Research (CERN). Beyond academics, Van Goffrier has been involved in various recreational activities while at UMaine, including helping to launch the university’s first Rubik’s Cube club, learning to ice skate with the help of the Figure Skating Club and the Alford Arena’s public skate, and singing with the Maine Masque theatre group. In addition, Van Goffrier has been active in professional associations on campus, including the Society of Physics Students, UMaine’s Student Branch of the Institute of Electrical and Electronics Engineers (IEEE), and Tau Beta Pi. He also has worked as a teaching assistant in both the physics and electrical engineering departments. After graduation in May 2018, Van Goffrier plans to pursue research at the doctoral level in theoretical physics to gain experience in topics such as modern gravitational theories and fundamental interactions. More information about the Goldwater Scholar award, including the full [news release](#), is on the Barry Goldwater Scholarship and Excellence in Education Foundation [website](#). Contact: Elyse Catalina, 207.581.3747

Hutchinson Center announces one-week certificate program in grant writing

19 Apr 2017

The University of Maine Hutchinson Center in Belfast will offer a new grant writing certificate program April 24–28. 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 the opportunity to acquire the knowledge and practice 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 over 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 Center for Nonprofit Studies. The program runs Monday through Friday with breakfast, refreshments and lunch provided. Program cost is \$1,080, and 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 a disability accommodation, contact Kim Raymond at 338.8034, kim.raymond@maine.edu.

Guest conductor, soloist Brian Shaw to join Jazz Ensemble for April 20 concert

19 Apr 2017

The University of Maine School of Performing Arts will host Brian Shaw of Louisiana State University for a jazz residency April 19–21. During his residency, the associate professor of trumpet and jazz studies will be a guest conductor and soloist for the April 20 Jazz Ensemble concert. The concert will take place at 7:30 p.m. in Minsky Recital Hall and will feature a special performance of Kenny Wheeler’s “Sweet Time Suite,” in full. Shaw currently is researching and co-writing a biography of Wheeler, who passed away in 2014. “Sweet Time Suite” is Wheeler’s masterpiece, according to Shaw, and the concert will give Maine audiences an opportunity to hear Wheeler’s distinctive and influential composition. Shaw also will offer coaching sessions to jazz students and a presentation on Kenny Wheeler on April 19. On Friday, April 21, Shaw will accompany the UMaine Jazz Ensemble for a live recording session with Maine Public Radio, which will be broadcast on April 28. The recording session is open to the public. Shaw’s guest residency is supported in part by a grant from the Cultural Affairs/Distinguished Lecture Series Fund.

WABI covers Big Gig pitch-off event at UMaine

19 Apr 2017

WABI (Channel 5) reported on the Big Gig’s season finale pitch-off event held at the University of Maine’s Foster Center for Student Innovation. The Big Gig is a network for innovators and entrepreneurs in Greater Bangor that was started by a motivated group of municipalities, organizations and universities, including UMaine. The Big Gig competition allows local entrepreneurs to pitch their business ideas or early-stage companies to a panel of judges who select a winner. The season finale featured the winners of the season’s four previous pitch offs; all competing for the grand prize of \$1,500, WABI reported. “We’re

really trying to support entrepreneurs in our community and encourage even more people who might be thinking about starting a business someday to come out and actually try their hand at it and get some support from our community” said Renee Kelly, an event organizer and assistant vice president for innovation and economic development at UMaine. The winner was Joshua Henry with GO Lab Inc., an R&D company that produces an eco-friendly, wood fiber insulation product, the report states.

Study cited in Mount Desert Islander article on Bar Harbor cruise ship season

19 Apr 2017

An economic impact study conducted by the University of Maine was mentioned in a [Mount Desert Islander](#) report about the start of Bar Harbor’s cruise ship season. The first of the town’s 171 cruise ship visits is set for Sunday, April 23, according to the article. The UMaine study found that in 2016, passengers visiting Bar Harbor by cruise ship spent about \$15 million for an estimated economic impact of \$20.2 million, the article states.

Comins discusses latest space news on ‘Maine Calling’

19 Apr 2017

Neil Comins, a University of Maine professor of physics and astronomy was a recent guest on Maine Public’s “Maine Calling” radio show. The show focused on the latest news from space, including NASA’s Cassini space probe and its discoveries around Saturn, prospects of lunar space tourism, and the search for Planet X.

MTI announces first round of Alliance for Maine’s Marine Economy Capital Grants Program

19 Apr 2017

The Maine Technology Institute and the Alliance for Maine’s Marine Economy today released a new request for proposals for a first round of awards from the Marine Economy Capital Grants Program, supporting growth in the state’s traditional fisheries, aquaculture and seafood-related companies and institutions. The deadline to submit proposals to MTI is Sept. 15. The Alliance for Maine’s Marine Economy includes more than 20 marine research programs at universities and nonprofit research institutions; commercial fishing interests; aquaculture interests; community-based organizations committed to the growth of the local economy; and large and small private-sector businesses in Maine. Members include the University of Maine. More information about the Alliance for Maine’s Marine Economy is [online](#). Also online is news release about the [Marine Economy Capital Grants Program](#) and more information about the [request for proposals](#).

UMaine Extension publishes new plum production bulletin

20 Apr 2017

University of Maine Cooperative Extension has published a new bulletin on plum production in Maine. With the increased demand for locally grown fresh fruit, some Maine farmers see an opportunity in adding plums to fruit crops already being grown for the consumer market. “[Plum Production in Maine](#)” provides information on topics including plum varieties, estimated production costs and yields, planting and pollination, and harvesting and storage. UMaine Extension tree fruit specialist Renae Moran, who wrote the bulletin, recommends that farmers consider how the cultural requirements of plums would affect their overall operation before planting. For more information and free downloads, or to order full-color bulletins for \$3.50 each, visit the [UMaine Extension Publications Catalog](#) or contact 581.3792; extension.orders@maine.edu.

Explore engineering with UMaine 4-H Science Saturday

20 Apr 2017

Learn more about the world of engineering at the next University of Maine Cooperative Extension 4-H Science Saturday 10 a.m.–1 p.m. April 29 at Neville Hall on the UMaine campus. Led by the UMaine Society of Women Engineers, participants will be able to explore different fields of study, including chemical, electrical and structural engineering, and what engineers can do with their skills and knowledge. The event is open to students in grades six through eight. Maximum number of participants is 15; minimum is six. The \$10 per person fee includes lunch. Register [online](#) by April 24. For more information or to request a disability accommodation, contact Jessica Brainerd at 581.3877, 800.287.0274 (toll free in Maine) or jessica.brainerd@maine.edu.

2017 Employee Recognition and Awards Luncheon April 25

20 Apr 2017

University of Maine employees are invited to join President Susan J. Hunter, senior administrators and members of the campus community at the 2017 Employee Recognition and Awards Luncheon on Tuesday, April 25. The event, which will be held from 11:30 a.m. to 1 p.m. in Wells Conference Center, will be held in celebration of UMaine employees who have reached 25, 35 and 45 years of service; Outstanding Classified and Professional Employee award recipients; and the Steve Gould Award winner. More information about the ceremony, including a list of honorees, is [online](#).

Republican Journal advances 15th annual Poets/Speak!

20 Apr 2017

[The Republican Journal](#) reported more than 25 well-known and emerging poets, University of Maine students and musicians will celebrate National Poetry Month at the 15th annual Poets/Speak! The event will be held from 4:30 to 8 p.m. Thursday, April 27 at Bangor Public Library. The theme for this year is “Origins: Roots & Sources,” to coincide with the library’s monthlong Smithsonian exhibit, “Human Origins.” Festivities will open with a musical performance of poems from organizer Kathleen Ellis’ collection, “Dear Darwin.” Ellis is an adjunct assistant professor in the UMaine Honors College. Her poems will be set to music composed by Scott Brickman and featuring soprano Nancy Ogle and pianist Ginger Hwalek, who will be joined by UMaine

student readers, according to the article. “Dear Darwin,” released as a Parma Recordings CD, was nominated for a 2015 Grammy Award, the article states. The annual event is sponsored by the Bangor Public Library and the UMaine Department of English.

Students to organize March for Science, BDN reports

20 Apr 2017

The [Bangor Daily News](#) reported students at the University of Maine are organizing a March for Science, one of hundreds scheduled internationally this weekend, from noon to 2 p.m. Saturday, April 22. Other Maine marches are planned in Portland, Machias and Sanford, according to the article. “We are pro science, is what it boils down to,” said Brian Toner, a Ph.D. student at the university who is one of the organizers of the event. Saturday’s rally will start with a series of speakers representing the National Resources Council, UMaine Climate Change Institute and other state and campus groups, the BDN reported. “The march is not intended to be a protest against any individual or political party, but rather a celebration of science and a demonstration of the ways in which it enhances our lives,” said fellow organizer and UMaine graduate student Amber Hathaway. WABI (Channel 5) also reported on the march.

Media report on UMaine raffle to win free tuition for a year

20 Apr 2017

WABI (Channel 5) and [WMTW](#) (Channel 8 in Portland) reported on the University of Maine Alumni Association’s Annual Tuition Raffle. The winner will receive one year of in-state tuition at UMaine, totaling more than \$8,000, media reported. A \$5 donation per ticket is suggested. The raffle helps fund the UMaine Alumni Association’s support of student organizations and alumni programs. “It provides an opportunity for students and their families to take a relatively minor philanthropic gesture and turn it into something that has great rewards for them: the opportunity to win a full year of tuition at the University of Maine,” said John Diamond, president of the UMaine Alumni Association. The deadline to enter is May 2, and the drawing will be held May 10. More information is on the UMaine Alumni Association [website](#).

Steneck to present at Earth Optimism Summit

21 Apr 2017

By nature, Bob Steneck is a glass-half-full kind of guy. The University of Maine marine ecologist will join other hopeful scientists, environmentalists, civic leaders and media from around the world at the Smithsonian Earth Optimism Summit in Washington, D.C. on Earth Day weekend. He’ll be one of the approximately 250 speakers to share examples of how innovative conservation actions have led to improvements in the health of species and ecosystems around the planet. “We hear so much about the death-spiral of our natural world that we tend to miss the fact that a lot of our conservation efforts have succeeded,” says Steneck. “Every time you see a bald eagle soar over your head in Maine you can thank Rachel Carson and the conservation success she achieved. That is the tip of a huge iceberg of success stories. The Earth Optimism Summit is the first major conference to share our success stories with each other and with the world.” Steneck, who is based at the Darling Marine Center in Walpole, Maine, will take part in a “Working with Communities” panel from 10:45 a.m. to noon Saturday, April 22. Ron Swaisgood of San Diego Zoo Global will moderate the panel. Joining Steneck will be: Mark Bouman of The Field Museum; Peter Fearnhead, co-founder and chief executive officer of African Parks; John Kasaona, with Poachers as Protectors, Namibia Integrated Rural Development and Nature Conservancies; and Sebastian Troeng, senior vice president with Conservation International. Community groups — including gangs in Brazil, poachers in Namibia and fishermen in the Caribbean — participate in conservation actions. Steneck will share his successful experience with fishermen near the Bonaire coral reefs. “When I started working in Bonaire, the reefs were in reasonable shape; they were the first place in the Caribbean to ban spearfishing but still fish stocks were declining,” he says. Given the important ecological role fishes play in “cleaning” the reef and making the environment better for corals, Steneck says he knew something had to be done. And with help from the Bonaire National Marine Park, he met with fishermen to hear their stories. “What I heard was fishing was getting worse for them,” says Steneck. “They realized that their fishing contributed to this decline and they supported Fish Protection Areas. They also supported the ban on fishing parrotfish that graze algae and improve conditions for corals.” In 2010, an unusually warm summer and fall caused corals to bleach white and 10 percent of the corals died. “Amazingly, Bonaire’s coral reefs did something not documented anywhere else in the Caribbean — they recovered fully from the bleaching event,” says Steneck. “The community-supported marine co-management in Bonaire resulted in the only documented resilient coral reef in the Caribbean. Sometimes, it really does take a village.” The summit’s welcome — titled “Opening Our Minds” — will feature Dr. Birute, a robot orangutan with Spy for Nature; Muriel Bowser, mayor of Washington D.C.; Kathleen Rogers, president of Earth Day Network; and the crew of the International Space Station. For more information about the April 21–23 summit, visit earthoptimism.si.edu. Contact: Beth Staples, 207.581.3777

Zimmerman Memorial Fitness Challenge to be held April 22

21 Apr 2017

The University of Maine will host the 2017 1st Lt. James R. Zimmerman Memorial Fitness Challenge on April 22. Four-person teams, which can register in one of three categories — hard core, motivated or family — will participate from noon to 5 p.m. in a variety of physical activities including pack runs, pull-ups and a crawl through a mud pit. The course will start at the Steam Plant Lot 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. Registration, which can be completed [online](#), is \$60 per team for UMaine students, faculty and staff; \$80 per team for others. 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.

Three UMaine students named to American Sociological Association Honors Program

21 Apr 2017

Three University of Maine students have been selected into the American Sociological Association (ASA) Honors Program and will present research at the group’s 112th annual meeting in Montreal this August. Competitively selected from across the nation, the ASA Honors Program brings sociology students to the annual meeting to participate in a range of activities, including the presentation of research projects in a roundtable setting. This year, all three of

UMaine's applicants — Alli DellaMattera, Julianna Ferguson and Sam Saucier — were accepted into the program based on the quality of their research projects. DellaMattera, a sociology and Spanish double major and Honors College student from Belfast, Maine, worked with Steven Barkan, interim chair of the Department of Sociology, on an independent study looking at family influence on problem drinking among young adults. Ferguson's research project, which she also worked on through an independent study with Barkan, focused on adverse childhood experiences and the predictors of juvenile violence. Ferguson is a sociology major from Massachusetts with minors in Spanish and political science. Saucier, from Saco, Maine, will present her research on the social constructs learned through consuming pornography. A double major in sociology and women's, gender, and sexuality studies, and an Honors College student, Saucier's project encapsulated her honors thesis and the research she has done in her majors. The students also will present their research at the 2017 UMaine Student Symposium on April 24 at the Cross Insurance Center in Bangor.

2017 CUGR Summer Fellowship winners announced

21 Apr 2017

The University of Maine's Center for Undergraduate Research (CUGR) has announced the 2017 CUGR Summer Fellowship winners. The center's advisory committee selected six proposals from 28 student submissions to be awarded \$3,000 each during the summer semester. This year's winners are:

- Meaghan Delcourt, psychology, "Examination of Electrodermal Reactivity in Self-Injurious Behaviors," advised by Emily Haigh;
- Taylor Delp, psychology, "Sleep Disturbance as a Biomarker for Cognitive Decline in Aging," advised by Marie Hayes;
- Jennifer Field, marine sciences, "Glacier Bay National Park Corals: Comparative Reproduction Between Deep and Shallow Red Tree Corals," advised by Rhian Waller;
- Chloe Lilly, biological engineering, "Engineering Polymer Infused Paper for a Self-contained Bacterial Diagnostic System," advised by Caitlin Howell;
- Ashley Soucy, biochemistry, "Intracellular Ca²⁺ Flux is Required for a Post-Attachment Step in JCPyV Infection," advised by Melissa Maginnis; and
- Caroline Spangenberg, zoology, "Impact of the Acanthocephalan Parasite *Profilicollis Botulus* on Estradiol Levels in the Invasive Green Crab, *Carcinus Maenas*: A Potential Biological Control Organism," advised by Ian Bricknell.

The awards will be presented during the 2017 UMaine Student Symposium on April 24 at the Cross Insurance Center in Bangor. For more information, visit the CUGR [website](#) or email cugr@maine.edu.

Lipstick Project founder to speak at UMaine April 25

21 Apr 2017

Leigh Boyle, founder and executive director of The Lipstick Project, will deliver two public talks at the University of Maine on April 25. The Lipstick Project, based in Vancouver, British Columbia, was established in 2012 by a group of young women who wanted to bring dignity and beauty into the last days of people's lives. The volunteer organization provides free, professional spa treatments to people in hospice and hospitals. Boyle will deliver a lecture about The Lipstick Project at 7 p.m. in 100 D.P. Corbett Business Building. Earlier in the day, she will present at a Women's, Gender, and Sexuality Studies Program brown bag lunch. Boyle will discuss "The Lipstick Project: Contributing to a Very Good Death" from 12:30 to 1:45 p.m. in the Bangor Room of the Memorial Union. Boyle's visit is supported in part by the Cultural Affairs/Distinguished Lecture Series Fund and a University of Maine Humanities Center Faculty Grant received by Mimi Killinger, Rezendes Preceptor of the Arts in the Honors College. Both events are free and open to the public. For more information or to request a disability accommodation, call 581.3342.

Johnson speaks with WLBZ about suicide prevention

21 Apr 2017

Doug Johnson, director of the Counseling Center and Touchstone Resources at the University of Maine, spoke with [WLBZ](#) (Channel 2) for a report about how Orono police are working to prevent suicide. "The police force is definitely a protective factor in a community," said Johnson, who added about 80 percent of those who take their own life never sought help. Johnson said combating suicide starts with asking the question: "Have you ever thought of taking your own life?" "It was a question that no one was comfortable asking primarily because they thought it would plant the idea in someone's mind," he said. "Well it doesn't, and there's research indicating that asking the question can lower the risk of suicide."

Free Press mentions UMaine in article on Maine seafood

21 Apr 2017

The University of Maine was mentioned in the [Free Press](#) article, "The past, present and future of Maine seafood." Farmed fish, shellfish and seaweed will likely continue to be part of the state's industry, according to the article. Currently, UMaine's Center for Cooperative Aquaculture Research and Maine Sea Grant have been developing programs to farm seaweed like winged kelp and sugar kelp as well as the yellowtail amberjack, a fish from the Pacific coast with a taste similar to tuna, the article states.

College of Engineering dean, students featured on WLBZ

21 Apr 2017

WLBZ (Channel 2) spoke with several students in the University of Maine College of Engineering, as well as Dana Humphrey, dean of the college, for a report about Maine's need for more engineers. Several students showed off their capstone projects, including a clean snowmobile, and spoke about their plans for after graduation. Humphrey said many of the 325 seniors in the Class of 2017 have already found jobs, and 99 percent will have jobs or be in graduate school in the first year after graduation. However, he added, 25 percent of the state's current engineers are expected to retire over the next decade, while many businesses are looking to hire additional engineers to increase or improve their production. He said to meet the demand, the College of Engineering will need to grow significantly, increasing the number of graduates to 400–500 per year. To do so, UMaine is looking to the legislature, WLBZ reported, and there are several bills before lawmakers to borrow the money to expand the college. "Maine's growing economy depends on it," Humphrey said.

21 Apr 2017



[caption id="attachment_54772" align="alignright" width="223"] Susan Elias[/caption] Ticks can bite anyone they latch onto — regardless of age, size, gender, nationality...or political affiliation. Thus, everyone is at risk of Lyme disease, says Susan Elias. That's a message the doctoral student with the University of Maine Climate Change Institute and School of Earth and Climate Sciences will take to Capitol Hill in May. And it's part of a message that helped Elias win the all-expense-paid, three-day trip to the nation's capital. Elias, also a vector ecologist with Maine Medical Center Research Institute, examines eco-epidemiology tick-borne disease in an era of abrupt climate change. Her essay on why atmospheric science is important to the United States and what a trip to Capitol Hill would mean to her education and career was one of six winning essays chosen by the University Corporation for Atmospheric Research, which sponsored the contest. Elias will accompany the UCAR Board of Trustees and the UCAR President's Advisory Committee to meet members of Congress and their staffs, and attend a special briefing by Hill staffers on how Congress works. She also will be invited to attend senior leadership briefings on topics including weather, water and climate. UCAR is a nonprofit consortium of more than 100 North American member colleges and universities focused on research and training in the atmospheric and related Earth system sciences. The group seeks to foster a deeper understanding of the atmosphere and Earth system. Elias' adviser, Kirk Maasch, encouraged her to submit an essay. Maasch is a professor with the Climate Change Institute and the School of Earth and Climate Sciences. He's also a UCAR board member and in May will meet with members of Congress in Washington, D.C. Science, Elias says, informs policy. Knowledge of atmospheric and Earth sciences strengthens the country's long-term national, economic and health security, Elias wrote in her essay. Sophisticated Earth science, she says, can save lives by forecasting heat waves, severe storms, pollution, allergen events and climatic conditions that lead to infectious disease outbreaks, including the Zika virus. Earth science also can assist the Navy with sea-level rise predictions to inform base relocations and to avert damage to agriculture and infrastructure. And in Elias' case, funding will help continue her tick research. Her essay begins: *"They're all at risk." Have you ever faced a roomful of people and had that thought? I did, a few weeks ago when I gave a talk to a group of UMaine Climate Change Institute scientists. I talk about ticks a lot. Deer ticks. Diseases they carry. I say Lyme disease in Maine, in New England, in the U.S., is too high. I know every person in the room has been bitten, almost bitten, had Lyme, or knows someone who has. And I know they're at risk of future bites.* Congress, she says, is key to authorizing funding for scientific research that benefits humanity. Elias noted in her essay that when the 535-member, 115th Congress was sworn in Jan. 3, 2017, just one STEM scientist, Rep. Bill Foster, D-Illinois, was part of the ranks. She quoted Foster, who told Public Radio International that funding that leads to cures for diabetes and Alzheimer's could "solve the long-term fiscal crisis in Medicare." Elias also quoted Foster when he voiced concerns about the implications of Congressional cuts in research funding: "When you damage long-term scientific research, it damages the economy severely but not immediately." It's incumbent on climate scientists to build rapport with Congressional leaders and Hill staffers by understanding their constraints, speaking their language and focusing on common interests, Elias says. And that's also a part of what she'll do during her trip in May. Elias' winning essay is [online](#). Contact: Beth Staples, 207.581.3777 *"They're all at risk." Have you ever faced a roomful of people and had that thought? I did, a few weeks ago when I gave a talk to a group of UMaine Climate Change Institute scientists. I talk about ticks a lot. Deer ticks. Diseases they carry. I say Lyme disease in Maine, in New England, in the US, is too high. I know every person in the room has been bitten, almost bitten, had Lyme, or knows someone who has. And I know they're at risk of future bites. One reason ticks are so thick in Maine is climate change, meaning: warmer winters. Another reason is ecological imbalance. Too many deer, in some places. The wrong kinds of plants, in some places. We build houses and put up swing sets where ticks live. Why? Because we are not paying attention to policies and practices that put our health at risk. Lyme is the most common vector-borne illness and sixth most common notifiable disease in the US. What do we all want? We want Lyme to go away. No matter who we voted for. Scientists say science informs policy. But so does policy inform science. We can't do science unless Congress authorizes research funding. When the 535-member, 115th Congress was sworn in on January 3, 2017, there was only one STEM (Science, Technology, Engineering, and Mathematics) scientist, Rep. Bill Foster, D-Illinois. In an interview, Dr. Foster voiced concern about possible myopic Congressional cuts in research funding: "When you damage long-term scientific research, it damages the economy severely but not immediately." On the flip side, he said that funding that finds cures for diabetes and Alzheimer's could "solve the long-term fiscal crisis in Medicare" (Franz, J. 1/23/2017. "The only physicist in Congress, on the state of science on the Hill" Public Radio International). The importance of the atmospheric, earth, and related sciences to the United States comprises nothing less than strengthening our long-term national, economic, and health security. With sophisticated earth system science, we can do things like:*

- assist the Navy with sea level rise predictions to inform base relocation and strategize humanitarian assistance to low-lying nations;
- avert damages to agriculture and infrastructure;
- save health and lives by forecasting heat waves, severe storms, pollution and allergen events, and climatic conditions leading to infectious disease outbreaks (e.g., El Niño/Zika).

Without funding, our security is at risk. With funding, we can solve many security issues, and leverage socioeconomic prosperity. More and more, climate scientists are called upon to better communicate their science. 314 Action, for example, calls for the STEM community to advocate for climate change solutions. We need to build rapport with our Congressional leaders and Hill staffers by understanding their constraints, speaking their language, and focusing on common interests. Going to DC with UCAR would polish off my interdisciplinary PhD curriculum by providing authentic training in policy development,

and fuel a late-onset career in political advocacy. We need to open dialogues with our non-STEM Congressional leaders, and ratchet down risk. [Back to article](#)

Jankowski, Kilroy, St. Amand awarded graduate research fellowships

21 Apr 2017

University of Maine students Melissa Jankowski, Elisabeth Kilroy and Anne “Ani” St. Amand have been awarded graduate research fellowships because of their demonstrated potential for significant achievement in STEM fields. The three-year National Science Foundation Graduate Research Fellowships are to promote innovation, transformative scientific breakthroughs and economic growth in the U.S. [caption id="attachment_54973" align="alignright"



width="500"] Elisabeth Kilroy, Anne “Ani” St. Amand and Melissa Jankowski [caption] Jankowski, of Cassville, Missouri, is pursuing a Ph.D. in clinical psychology (developmental-clinical track). She expects to earn her doctorate in 2021. Her research focuses on peer relationships and their relationship to risk and resilience in adolescence. Specifically, Jankowski investigates the interpersonal mechanisms of risk for, and influence of, “contagious” suicide and self-harm behaviors in adolescents. After Jankowski’s mother died of cancer, Jankowski lived with friends her last two years of high school. “Spending so much time with peers precipitated an ongoing intrigue with the dynamics of social relationships and peer influence,” she says. “Observing my peers from the inside and out led me to become interested in how particular health-risk behaviors emerged within the social context of their families and other peer relationships.” Jankowski analyzed differences between friends who were susceptible to peer influence and those who weren’t and took a mental inventory of factors that seemed protective for some and harmful for others. After high school, Jankowski studied psychology to formally explore risk and resilience in interpersonal contexts. She earned a bachelor’s degree in psychology and minored in statistics and music at University of Missouri. Jankowski plans to be a clinical psychology faculty member at a research institution. “I hope to go into academia, but I have also fallen in love with clinical work from the experiences I have had in my training so far at the University of Maine,” she says. “I’m hoping to find a faculty position that will combine both aspects of my training and interests.” Jankowski skates with the Northwood Derby Knockouts roller derby team and enjoys hiking and exploring Maine with her husband and 4-year-old son. Kilroy, of Brewer, Maine and Charleston, South Carolina, is pursuing a doctorate in biomedical science. She expects to obtain her Ph.D. in 2020. Kilroy’s research focuses on developing effective therapies for muscular dystrophy — a neuromuscular disease characterized by a loss in muscle mass that results in progressive muscle weakness. She’s revisiting the premise of whether strength training is beneficial or detrimental to individuals with the disease, using the zebrafish as model for muscular dystrophy. For people with muscular dystrophy, a protein needed to build and maintain healthy muscle is missing or doesn’t function properly, which results in the muscle’s inability to contract properly. Muscles also tire more easily and individual muscle fibers atrophy. Kilroy’s father and brother are battling a yet-to-be identified type of muscular dystrophy and medical professionals don’t know what’s causing their muscles to waste. She became fascinated with muscles at age 6 when she played catch with her father. “I would put the ball in his hand, raise his arm up, then I would sprint maybe 20 yards out,” she says. “Dad would have just enough strength to throw the ball to me. I would catch it and sprint back to him and we would repeat it. Some days we could do this 15 times, some days only five.” Kilroy was 11 when her dad became paralyzed after falling and she later witnessed her brother give up his freestyle skiing career because of the disease. She says he struggles now to do things that were once easy for him, including tying his shoes and pouring milk on cereal. “Where their dreams ended, my dreams began,” she says. “You have to find passion and once you find that passion you become completely dedicated and committed.” Kilroy’s a firm believer that people need to define their purpose. “My ‘why’ is because at 6 a.m. when my alarm goes off to head to the gym, I know there are thousands of individuals who would love to have the ability to get out of bed on their own, get dressed on their own, grab a banana and go to the gym and workout for an hour,” she says. In the lab, Kilroy learns techniques, reads publications and pores over data. In addition to searching for a cure for muscular dystrophy and becoming an inspiring university professor, Kilroy says she’ll always be an advocate for science. St. Amand, of Deer Isle, Maine, is pursuing a quaternary and climate sciences master’s degree and an interdisciplinary doctorate. She expects to earn her doctorate in 2021. St. Amand explores intersections between climate change and human behavior over the last 12,000 years. She uses geoarchaeological methods, spatial analysis and geophysical modeling to understand how past climates and environments have impacted human settlements, infrastructure and resource acquisition. St. Amand also uses remote sensing to create land cover classification models to identify new archaeological sites. Doing this, she says, expands the archaeological record and provides new proxy evidence to enhance and refine climate reconstructions. Her career goals include communicating science to the public and conducting research that expands knowledge of dynamic Earth systems. She also seeks to increase communities’ capacities to adapt to rapidly changing climates. St. Amand says she was drawn to the field because the archaeological record provides an incredible wealth of information relevant to climate and environmental sciences, ecology and geology. She enjoys the interdisciplinary nature of the research and using scientific technologies to understand past environments and human cultures. St. Amand attended Southern Maine Community College and the University of Maine and earned a bachelor’s degree in anthropology geography, a minor in geoscience and a Geographic Information Systems Certificate. Some of her other pursuits and interests include analytical chemistry, social justice, motorcycles and being with friends. Contact: Beth Staples, 207.581.3777

UMaine offers more ‘Signs of the Seasons’ training

21 Apr 2017

Four free "Signs of the Seasons" trainings sessions for volunteer citizen scientists are being offered by University of Maine Cooperative Extension and Maine Sea Grant. Participants are trained to observe the signs of spring — budding leaves, blooming flowers, peeping frogs, singing birds — that are indicators of a much larger cycle of seasonal changes that affect the plants, animals and people in Maine. The study of these seasonal changes, called phenology, contributes to understanding the local effects of climate change. "Signs of the Seasons" training sessions are scheduled for:

- Fields Pond Audubon Center, Holden, April 25, 4–6:30 p.m.
- Wells National Estuarine Research Reserve, Wells, May 8, 10 a.m.–12:30 p.m.
- Coastal Maine Botanical Gardens, Boothbay, May 10, 9:30 a.m.–12:30 p.m.

A session emphasizing the monitoring of coastal rockweed (*Ascophyllum nodosum*) will be held at Kettle Cove State Park, Cape Elizabeth, May 3, noon– 2 p.m. All training sessions are free and open to the public; registration is required. Register online. For more information contact Pam Doherty, 207.832.0343, pamela.doherty@maine.edu. To request a disability accommodation contact Esperanza Stancioff, 207.832.0343, esp@maine.edu. More information about "Signs of the Seasons" training is also available [online](#).

Maine Composts Week includes sharing nourishment with people who are food insecure

21 Apr 2017

A collaboration of groups and individuals will kick off the first Maine Composts Week on Sunday, May 7. The statewide event will promote reducing the amount of unused food, sharing unserved food with people who are food insecure and diverting unused food to composting and anaerobic digestion facilities to minimize the amount of food being disposed. Scheduled activities include documentary screenings, composting open houses and children's book readings at libraries. There also will be contests and resources geared toward schools, business, communities and households. Participants can take part in the hand-drawn or digital art challenge or photograph their compost pile or their school's share table. "If you can't find an event near you, organize one," says organizer Travis Blackmer, a lecturer in UMaine's School of Economics. "The only wrong way to do Maine Composts Week is to not do it at all." Blackmer will discuss composting 1-2 p.m. Thursday, May 4 on [Maine Calling](#) on Maine Public. Details about how to participate are on the event's [Facebook](#) page. The purpose of Maine Composts Week is to engage Mainers with the topics of composting, anaerobic digestion, food insecurity and solid waste/materials management in an effort to:

- Promote business and service providers who excel in organics management
- Reduce wasted materials
- Highlight best practices in organics management
- Promote composting being integrated in K–12 education, businesses and household behavior
- Provide resources that enable schools, business, households, communities and institutions to compost effectively
- Promote food diversion as a first option to manage organic materials before composting

"Maine is doing a lot to fight hunger," says Blackmer, a research associate at the UMaine Senator George J. Mitchell Center for Sustainability Solutions and leader of the center's [Materials Management](#) (Solid Waste) in Maine project. "From the Food Councils and Gleaning Networks across the state, to local food pantries and hunger events, we can continue to cut down on the 16 percent of Maine that is food insecure and 24 percent of children that do not know where their next meal is coming from." At the heart of the issue is landfill capacity, which is limited and valuable. Presently, Maine's solid waste stream is 40 percent organic in nature. These materials, typically wet and dense, are a valuable resource that, when managed properly, add value to society. Maine's recycling goal of 50 percent remains unmet and progress has plateaued in the past decade. Maine composts 5 percent of its potentially compostable/digestible material. Highlighting composting and other organics management processes, such as anaerobic digestion, food diversion and food waste reduction, are key ways to make inroads into this larger societal issue. For more details, visit the Mitchell Center [website](#) or the event's [Facebook](#) page. "Find answers to all your composting and related questions on our Maine Composts Week webpage," Blackmer says. "Our favorite tip: Relax. Even if you do everything wrong, you will eventually make great compost." Campus announcement; Outreach; Natural Sciences, Forestry, and Agriculture; Signature and Emerging Areas; Sustainability Solutions and Technologies; Statewide

Construction engineering students, lumber donation support Habitat for Humanity

24 Apr 2017

University of Maine construction engineering technology seniors are planning the renovation of a house in Old Town in partnership with Habitat for Humanity of Greater Bangor. Twenty students have begun the planning phase during the last few weeks of the spring semester, and will be managing and performing the construction work in the fall semester 2017. In support of the project, 360 12-foot Norway spruce boards were donated by UMaine and the Northeast Lumber Manufacturers Association (NELMA). The lumber was part of a testing program by the UMaine School of Forest Resources and the Advanced Structures and Composites Center in cooperation with NELMA to include Norway spruce in the SPF Lumber Standards. Norway spruce is the first major new wood species grown in the U.S. to be tested for strength values since the 1920s. It was approved for use as construction material in October 2016.

Susan Smith to present at IMRC Center

24 Apr 2017

Artist and University of Maine Intermedia MFA faculty member Susan Smith will present her work April 25 at the Innovative Media Research and Commercialization (IMRC) Center. Smith's 7 p.m. presentation is part of Tuesdays at the IMRC, the UMaine Intermedia MFA program's visiting artist lecture series. Smith lives in the small town of Dover-Foxcroft, where she has seen the impact of a town that has been hit with an economic crisis. As the result of the disappearance of local industry and businesses, what remains are the shells of empty homes and acres of barren farmland. Her work is in response to "these places of loss," as she describes them. Smith also is an educator and former landscaper. Her work as an artist develops at the intersection of these roles through site-specific projects that address the environment through the use of sustainable methods and materials. Much of her work also is socially engaged and invites audience members to participate in the completion and facilitation of the works. All series presentations will take place at 7 p.m. Tuesdays at the IMRC Center. They are free and open to the public. A complete schedule is online. The series is made possible through the support of the UMaine Cultural Affairs/Distinguished Lecture Series Fund, Skowhegan School of Painting and Sculpture, The VIA Agency, Correll Professorship in New

Media, and the UMaine intermedia and new media departments.

Black Bear Veteran Network launched

24 Apr 2017

Making the transition from the military to a civilian career can be daunting for student-veterans. The [Black Bear Veteran Network](#) has been established to connect UMaine alumni veterans and current UMaine student-veterans to mentor, share knowledge, create networking opportunities and assist each other. Registration for the Black Bear Veteran Network is [online](#). Note: There is a checkbox on the form to indicate that you are a veteran. More information is [online](#). For additional information, call BJ Roach, career counselor and Maine Mentor Program Coordinator at 581.1357; or UMaine's Office of Veterans Education and Transition Services at 581.1316, um.veterans@maine.edu.

Department of Political Science announces 2017–18 Nickerson Scholarship winners

24 Apr 2017

The University of Maine Department of Political Science has announced the 2017–18 awardees of the John M. Nickerson University of Maine Scholarship. The six selected students were awarded scholarship support after being chosen by the department based on their overall GPA and faculty evaluations. For the 2017–18 year, the recipients of the John M. Nickerson University of Maine Scholarship are: Jeffrey Burke of Bangor, Meaghan Byrnes of Windham, Elizabeth Littlefield of North Berwick, Miranda Roberts of Hermon, Benjamin Wall of Dedham, and Thilee Yost of Damariscotta. The John M. Nickerson University of Maine Scholarship was established in 2014 at the University of Maine Foundation with a gift of more than \$2 million from the estate of Dr. John M. Nickerson. The endowed scholarship annually supports UMaine students who, among other requirements, study political science, have attained a junior standing, are Maine residents and have made an impact in their communities. Nickerson also established the John Mitchell Nickerson Professorship of Political Science and the John M. Nickerson Quiet Room to benefit the members, faculty and staff of the UMaine Department of Political Science. Nickerson, a Lewiston native, was a member of the UMaine class of 1959. After receiving his bachelor's degree in political science, he earned a Ph.D. from the University of Idaho in 1971 and taught for many years at the University of Maine and the University of Maine at Augusta.

Media quote Divest UMaine student leader in reports on system's investment policy change

24 Apr 2017

The [Portland Press Herald](#), [Bangor Daily News](#) and [WLBZ](#) (Channel 2) quoted Cassandra Carroll, an ecology and environmental studies major at the University of Maine, in reports about the University of Maine System announcing its change in investment policy. After three years of students pressing the University of Maine System to divest from fossil fuels, system officials are telling investment managers to consider environmental, social and governance factors when deciding where to invest the system's \$287 million portfolio, according to the Press Herald. "We see this as a great step towards our ultimate goal of fossil fuel divestment," Carroll, a student member of Divest UMaine, told the BDN. "We are proud of the university and very thankful for our positive relationship with the board, but we will continue to advocate for full fossil fuel divestment."

Boston Globe cites Socolow in report about ethics surrounding Facebook Live

24 Apr 2017

The opinion of Michael Socolow, a professor of communication and journalism at the University of Maine, was one of two included in the [Boston Globe's](#) report "Ethical dilemma: Facebook Live." The post asked whether Facebook should make it harder to broadcast disturbing scenes — including criminal acts — and included two views on the subject. "The broadcasting of horrific violence to mass audiences has a long history, so it's too simple to blame Facebook Live for inciting criminality," Socolow said. "That being said, Facebook's routine deception and algorithmic manipulation deserve more public scrutiny. It's not just Facebook Live causing problems for the American people — it's Facebook itself."

Media cover March for Science on campus

24 Apr 2017

Maine Public, [Bangor Daily News](#), WABI (Channel 5) and [WVII](#) (Channel 7) reported on a March for Science held at the University of Maine. Similar events took place in Portland, Machias and Sanford, which were among the 600 communities in the United States and abroad that held pro-science rallies in conjunction with the national March for Science in Washington, D.C., according to the BDN. Between 200 and 300 people took part in the event on the UMaine campus, media reported. Speakers included members of UMaine's Climate Change Institute and other state and campus groups. The [BDN](#) also published an opinion piece ahead of the event titled "Tomorrow, I'll be marching for science. Above all, I'll be marching for the truth." The piece was written by Malcolm Hunter, the Libra Professor of Conservation Biology at UMaine.

Blomberg quoted in Sun Journal article about Maine bats, white-nose syndrome

24 Apr 2017

Erik Blomberg, an assistant professor of wildlife population ecology at the University of Maine, was quoted in a [Sun Journal](#) article about how Maine's bat population is fighting to survive. White-nose syndrome, a disease caused by a quick-spreading fungus, is believed to have killed 80 to 90 percent of the affected bat species in Maine, according to the article. While biologists worry about bats' future in the state, they acknowledge the animals don't have the best public image, the article states. "Bats have long been misunderstood," Blomberg said. "They're certainly not looking to get us or anything like that. I would say count yourself lucky if you live among bats."

CBS News speaks with Mayewski about water found streaming across Antarctica

24 Apr 2017

Paul Mayewski, director of the Climate Change Institute at the University of Maine, was quoted in a [CBS News](#) report about a recent Columbia University study that found water is gushing across Antarctica. The researchers found significant drainage of meltwater flowing across the continent's ice sheets during summer in Antarctica. Until now, these streams of water were mainly associated only with Antarctica's far north regions, according to the article. The discovery of widespread streams across the continent indicates Antarctica's ice may be more vulnerable to melting than scientists predicted, the article states. "These streams are something that require more investigation," said Mayewski, a climatologist who has done fieldwork in Antarctica. Mayewski was not involved in the study but called it "impressive." "Cities preparing for a conservative view of sea level rise by 2100 may be underestimating the full potential," he said.

Bioengineering students showcase breathing simulator at Student Symposium, WLBZ reports

24 Apr 2017

[WLBZ](#) (Channel 2) spoke with four University of Maine bioengineering students at the UMaine Student Symposium in Bangor. The group was among the more than 1,200 UMaine students who were set to showcase their research and work at the Cross Insurance Center. More than 400 exhibits are on display for the general public throughout Monday, April 24. One of the exhibits is a unique device to simulate abdominal breathing patterns in infants, WLBZ reported. For their bioengineering senior capstone design project, the students were tasked with creating a pediatric breathing simulator capable of displaying realistic lung and diaphragm movements, that can move independently from each other. "This is how engineering starts," said bioengineering professor Caitlin Howell, who advised the group. "We take small things, we take things that we have lying around, and we put them together and say 'Can our concept work?' And these students have shown beyond a shadow of a doubt that 'Yes, our concept can work.'" The group said their device is unique in the medical simulation field, and they now are seeking a patent, according to WLBZ. "By having this device have the ability to simulate those abdominal breathing patterns, it adds that higher degree of realism which creates better physicians for better health care in the future," said UMaine student Banton Heithoff, who worked on the project. WABI (Channel 5) also interviewed the students and Howell about the project.

Wahle, Waller featured in Weather.com's 'United States of Climate Change' report

24 Apr 2017

[Weather.com](#) spoke with University of Maine researcher Rick Wahle and cited graduate research by Jessica Waller for the Maine report in its "United States of Climate Change Series." In the Gulf of Maine, climate change is causing ocean temperatures to rise more quickly than nearly anywhere else on the planet, according to the article. This is a threat to the region's lobsters, which is a threat to the state's economy, the article states. As Maine's chief export, lobsters can be found in every major airport in the U.S. and have become an important part of the global economy, said Wahle, a research professor at UMaine's Darling Marine Center. The article included information about Waller's graduate research conducted with Wahle and scientists at Bigelow Laboratory for Ocean Sciences that found baby lobsters might not be able to survive in the ocean's warming waters.

Bioengineering students develop pediatric breathing simulator

24 Apr 2017

Four University of Maine bioengineering students have developed a new method of simulating pediatric respiratory distress in medical training manikins to better prepare health care professionals. For their bioengineering senior capstone design project, the students were tasked with creating a pediatric breathing simulator capable of displaying realistic lung and diaphragm movements. Most current manikins don't have the ability to simulate lung and abdominal breathing independently, according to UMaine student Banton Heithoff, who worked on the project. "Our manikin allows us to more accurately and realistically simulate breathing in children," says Heithoff. "The big advantage of this manikin is that it allows us to more properly simulate critical conditions, so if a child is going into respiratory distress, they typically only use their diaphragm or abdominal breathing patterns, and in current manikins you can't simulate this." Manikins designed to show different rates of breathing could potentially allow training doctors and nurses to make a diagnosis based on the breathing pattern, according to bioengineering professor Caitlin Howell, who advised Heithoff of Oldwick, New Jersey; William Patrick Breeding of East Granby, Connecticut; Amber Boutiette of Skowhegan, Maine; and Madeline Mazjanis of Portland, Maine. Having more realistic training manikins can help health care professionals be better prepared for when emergencies occur, the students say. Current high-fidelity simulations for training doctors and nurses are expensive, and cheaper simulations are often not accurate, according to Howell. The students were given a full-size training manikin by the UMaine School of Nursing to better understand how they are built. Using widely available materials — stretchable plastics, tubing, fittings and an air compressor — and a budget of about \$500, the students designed a system that can accurately replicate four types of breathing patterns in the lungs and diaphragm. Bioengineering majors are required to build a device during their senior year, and students usually work with clients from outside the university, Howell says. For the project, the students worked in collaboration with Dr. Denham Ward and Dr. J. Randy Darby of the Hannaford Center for Safety, Innovation and Simulation (SIM) at Maine Medical Center in Portland, who acted as the clients. The students were advised by Howell and fellow bioengineering professor Karissa Tilbury. Ward received a bachelor's degree in electrical engineering from UMaine in 1969, and his professional career has spanned both the engineering and medical fields. Darby is a graduate of Knox College and the Tufts University School of Medicine, and directs the SIM Center. Ward and Darby worked with the UMaine College of Engineering and the students to develop the capstone design project. "My research interest has always been respiratory physiology," Ward says. "One of the things I've noticed on the simulation manikins is the breathing pattern is not very realistic, particularly in babies." Ward says babies have a soft chest wall, which allows for a lot of movement that is not simulated in most manikins. In pediatric breathing simulations, Ward pointed out that training manikins only have lungs that fill and empty, but when children have trouble breathing, they use all their muscles and move their diaphragm, according to Howell. "The right lung, left lung and abdomen don't always breathe together," Ward says. "If a baby aspirates a peanut in the right lung, then only the left side of the chest would be moving. We'd like a physician or a nurse to be able to recognize that when they saw a baby in the emergency room." Ward asked the students if they could create a manikin that would simulate the different breathing patterns. He gave the students specifications and offered feedback throughout the process. "Dr. Ward was an invaluable resource because he works with the simulation manikins that are currently available," Heithoff says. "By showing us what is currently available on the market and where those manikins are lacking allows us to see the holes we need to fill and also the standards we need to be at." The students are pursuing a patent for their prototype. Tilbury says she believes the design could be implemented into high-fidelity manikins to train nursing staff and future doctors, or even used in parenting classes that teach CPR. "I didn't realize we would actually be making a device that would be this realistic, useful and marketable," Breeding says. "Everyone worked so well together that we were able to push out such a realistic device so quickly." The group presented their prototype April 24 at the UMaine Student Symposium at the Cross Insurance Center in Bangor. Contact: Elyse Catalina, 207.581.3747

UMaine students compete in North American Intercollegiate Dairy Challenge

25 Apr 2017

Four students from the University of Maine competed in the 16th Annual North American Intercollegiate Dairy Challenge (NAIDC) this spring in Visalia, California. The event drew 230 students from 37 colleges across the U.S. and Canada. The Dairy Challenge is a unique, real-world experience where students work as a team and apply their college coursework to evaluate and provide solutions for an operating dairy farm. Seven California dairies participated in the event. For the UMaine students, this was their first opportunity to set foot on a large western dairy farm that milks approximately 6,000 cows. Teams were evaluated on the quality and accuracy of their presentations, the identification of management opportunities and their recommendations to improve animal care and management. The panel of five judges included dairy producers, veterinarians, finance specialists and other agribusiness personnel. In addition to the competition, the students also had the opportunity to hear about the latest research and talk about career opportunities with industry professionals. The University of Maine team of seniors from the School of Food and Agriculture consisted of Alexa Grissinger, Kambrea Atkinson, Dominic Barra and Dakota Stewart. UMaine Associate Professor of Animal and Veterinary Sciences and Extension Dairy Specialist David Marcinkowski coached the team. Barra and Grissinger will attend veterinary school in the fall, while Atkinson and Stewart will pursue careers in agribusiness.

UMaine to hold international Potato Disease Summit Nov. 9

25 Apr 2017

Two bacteria threatening the potato industry worldwide will be the focus of a Potato Disease Summit Nov. 9 in Bangor, Maine, convened by the University of Maine. Plant pathologists, researchers and scientists from The Netherlands, Scotland and five U.S. states will present the latest information on the bacteria — *Dickeya* and *Pectobacterium* — that cause blackleg disease, an emerging potato seed problem. In the past three growing seasons, *Dickeya*, a bacterial pathogen of potatoes, has caused significant economic losses in seed nonemergence and crop loss nationwide. In addition, an associated pathogen, *Pectobacterium*, has caused potato crop losses in the field and in storage. The bacteria have caused losses to the potato industry in Europe for an even longer period. “The University of Maine is responding to this situation by holding an international summit focused on the latest research and what steps are needed to help the potato industry,” says University of Maine President Susan J. Hunter. “As Maine’s only public research university, we are a longstanding partner with the state’s potato industry in addressing its needs, including the growing threat posed by *Dickeya* and *Pectobacterium*.” The Potato Disease Summit, 8 a.m.–5 p.m., Nov. 9 at the Cross Insurance Center, 515 Main St., Bangor, Maine, is designed for scientists, consultants, regulatory officials, and potato seed growers and buyers. It will focus on such topics as current advances in detection and diagnosis of *Dickeya*; an overview of *Pectobacterium* in the U.S.; and management of Enterobacteriaceae spread and risk. The \$80 per person fee includes materials, lunch and breaks. Registration deadline is Oct. 2 and is available [online](#). For more information or to request a disability accommodation, contact Steve Johnson, 207.554.4373, stevenj@maine.edu. Contact: Steve Johnson, 207.554.4373

Two MFA candidates to discuss creative practices at UMaine Museum of Art

25 Apr 2017

Two students in the University of Maine Intermedia MFA Program will present their work at the University of Maine Museum of Art in Bangor at 1 p.m. April 26. Alicia Champlin will discuss her recent performance installation, “MOTIVE,” in the context of a research-based experimental practice. The performance, which took place in December 2016, was intended to spark questions about the relationships between media and maker; language and listener; and truth and metaphor. Instead, the work led to some unexpected outcomes, but rather than discounting the effort as a failure, Champlin is using the resulting insights to move her practice forward. Eleanor Kipping’s work explores the contemporary black female experience as “other” in America in light of identity, hair politics, colorism and racial passing. She draws heavily on popular culture, as well as personal, historical and political narratives to drive her investigations. In her talk, “Coming of Race,” Eleanor will share her experiences as a mixed-race female growing up in the predominantly Caucasian state of Maine. While sharing how she has come to terms with her own identity as a black and white woman, she will discuss how her creative practice and use of photography, video, performance and installation is used as a way to continue her own explorations, as well as educate and facilitate discussion surrounding topics of identity. The event is free and open to the public. Audience members are welcome to bring lunch. For more information, contact Kipping at publicity@imrcenter.com, 356.2398.

‘Annie’ finds a home April 26 at CCA

25 Apr 2017

Annie, Sandy and Daddy Warbucks are back for this new incarnation of the original “Annie” to be performed at 7 p.m. Wednesday, April 26, at the Collins Center for the Arts. The smash Tony Award-winning production about a spirited red-haired orphan’s search for a loving home is directed by original lyricist and director Martin Charnin and is choreographed by Liza Gennaro. “Annie” is based on Harold Gray’s popular 1920s comic strip “Little Orphan Annie.” The musical includes favorite songs “It’s the Hard Knock Life,” “Easy Street,” “I Don’t Need Anything But You,” and an anthem of optimism — “Tomorrow.” The Chicago Tribune calls the show “one of the best family musicals ever penned.” And The Hollywood Reporter writes, “This enduring ode to optimism remains a sterling example of expert musical-theater craftsmanship. To purchase tickets and for more information, visit the CCA [website](#). Also, to purchase tickets or to request a disability accommodation, call 581.1755. University Credit Union is the sponsor.

Lobster Institute celebrates 30th anniversary with lobster, wine event

25 Apr 2017

Lobstermen and women, restaurateurs, sommeliers and consumers will create the 2017 blend of Big Claw white wine to pair with lobster 2–4 p.m. Thursday, April 27 on the Portland waterfront. The event will be held at the office of Steve Melchiskey, winemaker and co-owner of Big Claw Wine, at 94 Commercial St. Big Claw Wine, Mariner Beverages and the Lobster Institute are hosting the wine and lobster tasting, which also is a celebration of the Lobster Institute’s 30th anniversary of research for lobster sustainability and service to the lobster industry. A portion of proceeds from Big Claw sales has been donated to the Lobster Institute for its work with the industry from Long Island to Newfoundland. Big Claw Wine — specifically designed to pair with lobster — was

introduced in 2009 at a First Pour event at DiMillo's on the Water in Portland. The wine has become a popular choice for people dining on Maine's iconic lobster.

Mount Desert Islander advances 'fake news' discussion in Ellsworth

25 Apr 2017

[Mount Desert Islander](#) reported a 10-month public dialogue series sponsored by the League of Women Voters-Downeast will continue April 26 with the conversation, "Fake news: Who can you trust?" The discussion will be held from 5:30–7 p.m. at Pat's Pizza in Ellsworth. Scheduled guests include Josh Roiland, an assistant professor of journalism at the University of Maine; Earl Brechlin, author and editor of Mount Desert Islander; and Stephen Fay, managing editor of The Ellsworth American, according to the article.

Fitzgerald quoted in Kennebec Journal article on Manchester greenhouse

25 Apr 2017

The [Kennebec Journal](#) spoke with Caragh Fitzgerald, an agricultural educator at the University of Maine Cooperative Extension in Kennebec County, for an article about the 40th anniversary of Longfellow's Greenhouse in Manchester. The surge of younger gardeners has led the greenhouse staff to become more like growing coaches to their customers, advising them on how much light is needed, what types of fertilizer work best and how they should water their plants, according to the article. "We see in gardening programs and in the community, anecdotally, a lot of interest in where food comes from," Fitzgerald said. "We're seeing that in our younger population, supporting local food production on down to home gardening. We see that some with Cooperative Extension clients, but also with colleges and universities ... More schools are putting in school gardens." Fitzgerald added that issues related to food and social justice are more prominent today than they were a decade ago. Longfellow's has made a name for itself over the years, growing despite the tough competition from big box stores and smaller operations, Fitzgerald said. "That business is certainly one of the leaders in the industry," she said. "They pay really close attention to the trends."

Blackstone co-writes article for Ms. Magazine

25 Apr 2017

Amy Blackstone, a sociology professor at the University of Maine, co-wrote an article for the [Ms. Magazine](#) blog titled, "Honoring the childfree auntie." Blackstone wrote the piece with documentary film director and author Maxine Trump.

WABI covers UMaine Student Symposium

25 Apr 2017

WABI (Channel 5) reported on the University of Maine Student Symposium at the Cross Insurance Center in Bangor. More than 1,200 undergraduate and graduate students showcased over 500 posters, exhibits and performances at the event, according to the report. "The University of Maine is the public research university for the state of Maine. Our mission is to conduct research and take the knowledge that we learn at the university and turn it into solutions for the state," said Carol Kim, UMaine's vice president for research and dean of the Graduate School. The daylong event featured the work of students from academic disciplines ranging from sciences and engineering to arts and humanities, and allowed students to present their research in multiple ways, WABI reported. For the first time, the event included the Maine Business School's International Trade Show, where students created booths showcasing business and trade in different countries. Kim said the breadth of the different research and creative activities UMaine is conducting is "amazing."

Madeline Wehrle: Researching structural thermoplastics for use in medical field

25 Apr 2017

Editor's note: An updated version of this story appears in the College of Engineering's winter 2017 [magazine](#). Madeline Wehrle was interested in medicine from an early age. After being introduced to isometric drawing and computer-aided design, or CAD, modeling in high school, she also became interested in bioengineering. "It was more of a realization that innovation or engineering is applicable to whatever field you are most passionate about — which for me was medicine," says Wehrle of Wiscasset. Wehrle is now a senior bioengineering major with a minor in nanotechnology at the University of Maine. Since 2013, she has been working in the Advanced Structures and Composites Center. Initially hired as lab cleaner, Wehrle quickly shifted to other positions with more responsibilities. After one day as a cleaner, she moved to the laboratory operations office where she spent about a year and a half assisting with the training program, giving tours, and maintaining calibration records. "I found myself looking for excuses to get closer to the many research projects in the lab," Wehrle recalls. Now Wehrle is one of about a dozen students researching in the center's new Alford Advanced Manufacturing Laboratory for Structural Thermoplastics under the direction of David Erb, a senior R&D program manager. Researchers in the lab are using digital, additive and robotics manufacturing to reduce cycle time and cost of traditional manufacturing. Wehrle and Erb work as part of the Consortium for Manufacturing Innovation in Structural Thermoplastics ([CMIST](#)). In May 2015, the National Institute of Standards and Technology (NIST) awarded the UMaine Advanced Structures and Composites Center \$497,965 for mapping technical manufacturing challenges in structural thermoplastic materials. Through the award, UMaine Composites Center formed CMIST with the U.S. Army Corps of Engineers' Engineer Research and Development Center (ERDC), Celanese Corp., Eastman Chemical Co., PolyOne and Royal TenCate. CMIST has more than 70 members and is led at UMaine by Erb and Roberto Lopez-Anido, a professor of civil engineering. "We have been working to create a road map to detail the complex process structural thermoplastic materials must undergo to be adopted as an accepted industry standard," Wehrle says. The use of thermoplastic composite materials for structural applications is a segment of the manufacturing industry that has potential for growth because of the material's desirable qualities, according to CMIST. Thermoplastic composites are low cost, low weight, recyclable, corrosion resistant and are strong enough to be used as a substitute in many primary structural applications. The group aims to solve technical issues that exist while also disseminating the knowledge it has cultivated so U.S. manufacturers can advance their solutions to market. Wehrle's responsibilities for CMIST include assisting with writing annual reports to NIST. Wehrle also has been conducting a feasibility study on additive manufacturing in surgical tooling with the help of an orthopedic surgeon from New Hampshire. She says the study integrates her degree program with her work at the center. "CMIST is focused on structural thermoplastics and realizing the struggles industry must overcome in order for them to be adopted into accepted manufacturing process," she says.

“In hopes of benefiting the medical industry, I have been designing, analyzing and processing, and manufacturing potential 3-D printed tools.” The tools Wehrle are researching could potentially be created on-site in hard-to-access areas including military sites and developing nations, where equipment and materials are not readily available. “Knowing that my research has the potential to impact not just one life, but potentially many, many more, is the motivation I need to put into my studies and work,” she says. “Also, the medical field is constantly updating and expanding its knowledge base. Bottom line: It is impossible to get bored.” This February, Wehrle traveled to California for a workshop held by a parallel consortium, Biomedical Devices and Equipment Consortium Organization to Roadmap Industry (BIOCOR), which is run by the University of Southern California. The aim of the event was to identify technical challenges in the field of biomedical devices, according to Wehrle. “UMaine has provided me with more than I could have ever envisioned when I originally applied,” she says. “My job at the Advanced Structures and Composites Center has really connected me with industry. I have met many people during my time at the center — all who have provided me a huge amount of personal and professional advice and knowledge.” Wehrle says she considers Erb to be her most influential mentor during her time at UMaine. “He has consistently given me an opportunity to explore a field that I love — biomedical engineering — although traditionally our work lies more in mechanical and civil engineering,” she says, adding that he has provided her with the groundwork for a successful career through multiple introductions to academic and industry professionals. “His positivity and passion for exploring new R&D projects with an open mind is something that I hope to utilize throughout the rest of my life,” she adds. Wehrle’s advice for incoming college students is to work hard and continuously put yourself in a position to open doors. “Find yourself a facility that you find interesting, even if the first job offering is low in the grand scheme of operation,” she says. “You have to first put yourself in the ideal setting to pave a career path for yourself, the rest will fall into place.” After graduation in December, Wehrle says she hopes to continue exploring structural thermoplastics and everything they have to offer the medical field. Contact: Elyse Catalina, 207.581.3747

Franco-American Centre to host sixth annual Franco-American Rassemblement

26 Apr 2017

The University of Maine will host its sixth annual gathering — Rassemblement — of Franco-American writers, artists and creatives, April 28–30, at the Franco-American Centre on campus. 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. This year’s gathering includes several anchor events that are free and open to the public. At 7 p.m. April 28, the Franco-American Centre in Crossland Hall will screen “Les Magasins,” a 48-minute documentary that explores the history of small, family-owned grocery stores on Sand Hill, the Franco-American neighborhood in Augusta, Maine. A potluck will precede the screening, followed by a Q&A with the film’s director, Norm Rodrigue. A screening of “Un Américain: A Portrait of Raymond Luc Levasseur” will take place at 7 p.m. April 29 in Soderberg Lecture Hall in Jenness Hall. The documentary, directed by Montreal-based Pierre Marier, explores the life of Sanford native Raymond Luc Levasseur, who became radicalized by his tour in Vietnam and came to be listed on the FBI Ten Most Wanted List in 1977. The film’s director and Levasseur will be in attendance to introduce the documentary and participate in a Q&A after the screening. On May 1, the Rassemblement concludes with a series of genealogical workshops led by George Findlen. The Franco-American Centre, in collaboration with the Penobscot County Genealogical Society, will host four free workshops: Using Standard Histories to Find Elusive Relatives, 2–3 p.m.; How to Tell If Your French-Canadian Ancestors Include Acadians, 3:15–4:15 p.m.; Finding What Can’t Be Found: A Case Study in Whole Family Research, 6–7 p.m.; and Using the 1917 Code of Canon Law to Understand Odd Entries in Catholic Parish Registers, 7:15–8:15 p.m. Findlen is a certified genealogist and lecturer who has published articles on Acadian and French-Canadian families in U.S. and Canadian journals, and spoken at state, regional and national venues. Findlen serves on the National Genealogical Society board and on the editorial board of the “NGS Quarterly.” The events are made possible with support from Franco American Programs, The Cultural Affairs/Distinguished Lecture Series Fund, and several donors.

2017 UMaine Student Symposium attendees invited to take survey

26 Apr 2017

Attendees of the 2017 University of Maine Student 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 the 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](#).

CUGR, Maine Space Grant Consortium announce undergraduate fellowship winners

26 Apr 2017

The University of Maine’s Center for Undergraduate Research (CUGR) and the Maine Space Grant Consortium (MSGC) have announced the MSGC Undergraduate Fellowship winners for summer 2017. The winners are:

- James Barry, microbiology, “Identification of Virulence Genes in Group B Streptococcus (GBS),” advised by Melody Neely
- Nathan Gazey, computer science, “HandWaver,” advised by Justin Dimmel
- Cassandra Dechaine, bioengineering, “Pharmacokinetics of Bone Regeneration,” advised by Michael Mason
- Lila Lyons, physics, “Neuronal Innervation Analysis of Metabolic Disease in Relation to Space Travel,” advised by Kristy Townsend
- Trevor Morin, biochemistry, “Exploring Altered Energy Balance in EtOH-Treated Animals and its Application to Space Exploration,” advised by Kristy Townsend
- Andrew Nolan, Earth sciences, “Updated Glacier Velocities for the St. Elias Mountains,” advised by Ellyn Enderlin
- Hussein Sayed, biology, “Controlling 2-pore Potassium Channels with Light: Synthesis and Evaluation of New Photoswitchable Channel Blockers,” advised by Michael Kienzler
- Daniel Schlabig, electrical and computer engineering, “Optimized Scheduling for Wireless Energy Transfer with Applications in Remote Structural Sensing,” advised by Ali Abedi
- Austin Steward, bioengineering, “Effects of Liquid Gated Membranes in the PTEE Filtration of Biological Agents,” advised by Caitlin Howell
- Dakota Sudbeck, bioengineering, “Approximation of Core Body Temperature with Infrared Based Imaging,” advised by Karissa Tilbury

The applications were jointly reviewed and funded — \$3,000 each — through the CUGR and MSGC grant review panel. 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 awards were presented during the 2017

UMaine Student Symposium on April 24 at the Cross Insurance Center in Bangor. More information about the fellowship and MSGC is on the [CUGR website](#).

Undergraduate, graduate students receive awards at 2017 UMaine Student Symposium

26 Apr 2017

More than 1,200 undergraduate and graduate students presented their work during the second annual University of Maine Student Symposium held at the Cross Insurance Center in Bangor on April 24. The free public event, which was organized by UMaine Graduate Student Government and the Center for Undergraduate Research (CUGR), featured the work of students from academic disciplines ranging from the sciences and engineering to arts and humanities. Research poster sessions, presentations, exhibits and roundtable discussions were held throughout the day. Awards and cash prizes were given to the symposium's top presentations, posters and exhibits in several categories: **Special awards**

- **President's Research Impact Award:** Elizabeth Trenckmann, "Collaborating Across the University of Maine System to Improve Student Understanding of the Role of Energy and Matter in Photosynthesis," advised by Michelle Smith
- **GSBSE Special Awards:** Elizabeth Mason, "Elucidating the Effects of Aging on Muscle," advised by Clarissa Henry; and Paige Martin, "Characterization of Novel SMARD1 and CMT Mouse Models," advised by Greg Cox
- **IEEE Awards:** Chitra Manjanai Pandian (graduate), "Water Quality Monitoring And Data Analysis Using Solar Powered Wireless Sensor Networks," advised by Ali Abedi; and Armando Ayes (undergraduate), "Temperature Compensated Langasite Surface Acoustic Wave Devices for High Temperature Operation," advised by Mauricio da Cunha
- **Innovation Awards:** Hari Prasath Palani (graduate), "Principles and Guidelines for Advancement of Touchscreen-Based Graphic Screen Readers," advised by Nick Giudice; and William Breeding, Banton Heithoff, Madeline Mazjanis and Amber Boutiette (undergraduate), "Pediatric Respiratory Simulation," advised by Caitlin Howell

Graduate presentation winners

- **Allied Health:** Katrina Daigle, Ahmed Almaghasilah, Christopher Gilbert, Ariel Bouchard, Ella Sulinski and Taylor Delp, "Sleep as a Biobehavioral Marker of Cognitive Decline in Aging Individual," advised by Marie Hayes and Ali Abedi
- **Arts:** Eleanor Kipping, "Eleanor Kipping," advised by Nate Aldrich
- **Biomedical Sciences:** Paige Martin, "Characterization of Novel SMARD1 and CMT Mouse Models," advised by Greg Cox
- **Education:** Elizabeth Trenckmann, "Collaborating Across the University of Maine System to Improve Student Understanding of the Role of Energy and Matter in Photosynthesis," advised by Michelle Smith
- **Engineering and Information Science:** Shawn Brackett, "Integrated Environment & Proximity Sensing for UAV Applications," advised by Sam Hess
- **Natural Sciences:** Zakkary Castonguay, "Phytonutrient Assessment of Locally Grown Cold Hardy Plum Cultivars," advised by Angela Myracle
- **Physical Sciences:** Laura Hartman, "Frozen Volcano: Quantitatively Sourcing Ice Core Tephra," advised by Andrei Kurbatov
- **Social Sciences:** Laura Andrews, Ethan Rothstein, Natalie M. Holbrook, Douglas W. Nangle, "Anxiety in Young Adulthood: The Role of Attachment, Romantic Relationship Conflict, and Social Support Satisfaction," advised by Douglas Nangle
- **Top overall winner:** Laura Andrews, Ethan Rothstein, Natalie M. Holbrook, Douglas W. Nangle, "Anxiety in Young Adulthood: The Role of Attachment, Romantic Relationship Conflict, and Social Support Satisfaction," advised by Douglas Nangle

Undergraduate presentation winners

- **Allied Health:** Katarina Querfurth, Paige LeBlond, Jenna Nichols, Belinda Kirkpatrick, "For Hospitalized In-patients, What Evidence-based Interventions will Reduce the Feelings of Stress, Anxiety and/or Fear Brought on by the Hospital Environment?" advised by Patricia Poirier
- **Arts:** Meaghan Byrnes, Eric Morrison, Austin Haughton, Jacob Hall, Liam Reading, "iSWOOP," advised by Michael Scott
- **Biomedical Sciences:** Sarai Smith, "RNA-seq Analysis of Cluster E Phage Ukulele," advised by Sally Molloy
- **Education:** Toni Kaplan, "Development of a Dynamic Multisensory Interface to Provide Accessible Biological Diagrams for Blind and Low Vision Students," advised by Nick Giudice
- **Engineering and Information Science:** William Breeding, "Homogenous Integration of Iron Oxide Nanoparticles into Cellulose Nanofibers," advised by Michael Mason
- **Natural Sciences:** Christian Zwirner, "Defensive Mechanisms of Epidermal Growth Factor Receptor in Host Response to Candida albicans Infection," advised by Robert Wheeler
- **Physical Sciences:** Samuel Borer, "Characterizing Liquid Argon Time Projection Chambers for Neutrino Physics," advised by Saima Farooq
- **Social Sciences:** Angelina Iannazzi, "Longitudinal Imagined Interactions Between Christians and Atheists," advised by Jordan LaBouff
- **Top overall winner:** Sarai Smith, "RNA-seq Analysis of Cluster E Phage Ukulele," advised by Sally Molloy

Also announced at the symposium were the winners of the [2017 CUGR Summer Fellowship](#), [Maine Space Grant Consortium \(MSGC\) Undergraduate Fellowship](#) and the following 2017–2018 Graduate School fellowships. **Chase Distinguished Research Assistantship**

- Erin Carter, biomedical science, advised by Clarissa Henry
- Meaghan Conway, ecology and environmental sciences, advised by Brian Olsen
- Susan Elias, Earth and climate sciences, advised by Kirk Maasch
- Melissa Jankowski, clinical psychology, advised by Rebecca Schwartz-Mette
- Amy Pierce, interdisciplinary studies, advised by Owen Smith
- Sarah Ebel, anthropology and environmental policy, advised by Christine Beitel
- Justus Hillebrand, history, advised by Richard Judd and Anne Knowles
- David Kerschner, education, advised by Elizabeth Allan
- Benjamin P. Schermerhorn, physics, advised by John Thompson
- Yaping Zhu, chemical engineering, advised by Douglas Bousfield and William Gramlich

Susan J. Hunter Teaching Fellowship

- Olivia Bogucki, psychology, advised by Emily Haigh
- Patrick Callaway, history, advised by Liam Riordan
- Sarah Ebel, anthropology and environmental policy, advised by Christine Beitel
- Jamie Haverkamp, anthropology and environmental policy, advised by Cynthia Isenhour
- Wade Warman, intermedia, advised by Owen Smith and Gene Felice

Michael J. Eckardt Dissertation Fellowship

- Anin Maskay, electrical and computer engineering, advised by Mauricio Pereira da Cunha
- Juyoung Shim, biochemistry and molecular biology, advised by Julie Gosse
- Dongmei Xie, civil engineering, advised by Qingping Zou and Jean MacRae
- Shivangi Pande, biomedical sciences, advised by Robert Friesel
- Bora Song, Earth and climate sciences, advised by Scott Johnson and Peter Koons

Janet Waldron Doctoral Research Fellowship

- Hannah Lawrence, clinical psychology, advised by Cynthia Erdley and Rebecca Schwartz-Mette
- Zachary Wood, ecology and environmental science, advised by Michael Kinnison

More about the Graduate School fellowships is [online](#).

Marine Sciences Club takes part in Atlantic Miniboat Regatta launch, WABI reports

26 Apr 2017

WABI (Channel 5) reported students from Swan's Island School and the University of Maine's Marine Sciences Club boarded the Maine Maritime Academy's training ship to present their 5-foot sailboats for launching on the ship's next training voyage. The students, along with schools from seven other countries, are participating in the Atlantic Miniboat Regatta, according to the report. The crewless sailboats are equipped with GPS to track their voyage to Europe by way of the ocean currents. [Castine Patriot](#) and [Penobscot Bay Press](#) also published an article on the launch.

UMaine Extension mentioned in Press Herald article on edible garden in Westbrook

26 Apr 2017

The University of Maine Cooperative Extension was mentioned in a [Portland Press Herald](#) article about Edible Main Street, a pilot project in Westbrook. The Downtown Westbrook Coalition has installed eight garden planters in Blue Note Park on the city's Main Street. In May, volunteers will fill them with edible plants such as green beans, cherry tomatoes and herbs, which will be cared for by local businesses and free for the picking to any passer-by, according to the article. "The idea is for people to really utilize this resource and really promote the different areas that help people gain access to healthy foods," said Allie Harvell, a Westbrook resident who is leading the project. Local businesses and organizations are providing support for the garden, including UMaine Extension, which designed the layout of the plants in the boxes, the article states.

Boss speaks with Scientific American about importance of NASA mission

26 Apr 2017

Emmanuel Boss, a professor of oceanography at the University of Maine, spoke with [Scientific American](#) for an article about four climate-related NASA satellite missions that face possible elimination under the budget proposed by President Donald Trump's administration. Boss is the science team lead of the Plankton, Aerosol, Cloud and ocean Ecosystem (PACE) project, one of the four missions targeted for potential cuts. PACE, which aims to monitor the microscopic phytoplankton that underpin the ocean food chain with finer detail than any previous satellite, would reverse a trend toward less high-resolution ocean observations in recent years, according to Boss. "The primary mission is really to increase our knowledge of the oceans and what's in there," he said. The mission also will monitor clouds and aerosols, two of the major sources of uncertainty in current climate change projections, the article states. Boss said there has never been a mission like this.

Maine Public interviews Steneck about discontinuation of lobster season forecast

26 Apr 2017

[Maine Public](#) spoke with Bob Steneck, a professor of marine sciences at the University of Maine, for the report, "Researchers discontinue annual lobster season forecast after complaints from industry." Portland's Gulf of Maine Research Institute is dropping its yearly forecast of when lobster landings in Maine will begin their annual surge. The move comes after criticism from Maine's lobster industry about the report's timing and accuracy, and its effect on lobster prices, according to the report. Steneck said it's important to continue baseline research on conditions in the Gulf of Maine, which is warming faster than most other water bodies in the world. "Ocean temperature clearly really drives a lot of this fishery. It affects how the larval lobster settle and, of course, you won't see that for 7-10 years. It affects growth rates, it affects migration and movement patterns," he said.

Kaye writes BDN op-ed on social isolation among seniors

26 Apr 2017

Lenard Kaye, director of the University of Maine Center on Aging and professor in the UMaine School of Social Work, wrote an opinion piece for the [Bangor Daily News](#) titled, "Fighting the scourge of the social isolation of seniors." Kaye 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.

WABI covers ‘Signs of the Seasons’ citizen science training

26 Apr 2017

WABI (Channel 5) reported on a free “Signs of the Seasons” training session for volunteer citizen scientists at the Fields Pond Audubon Center in Holden. The program, which is offered by the University of Maine Cooperative Extension and Maine Sea Grant, helps volunteers look at life cycle changes of plants and animals, WABI reported. “It’s something that farmers and fishermen do by nature,” said Esperanza Stancioff, an educator with Maine Sea Grant and UMaine Extension. “When to harvest for a farmer or when to plant seeds, when to go fishing for lobstermen.” Volunteers record data through a program that’s made available for any scientist or organization needing the information, the report states.

Nature cites Wells in article on effects of climate change on algal blooms

26 Apr 2017

Mark Wells, a professor of marine sciences at the University of Maine who studies harmful algal blooms, was mentioned in the [Nature](#) article, “Climate change is making algal blooms worse.” Harmful algal blooms can occur when changes in water conditions lead to an increased growth in the number of a particular species of algae. The blooms can produce toxins, become so large that they kill marine life, and turn water a different color, according to the article. A new study has shown how warming ocean temperatures have already driven an intensification of blooms around North America — the first time this link has been established at an ocean scale, the article states. According to Wells, rising temperatures alone may not always cause more harmful algal blooms. In 2010 in the Gulf of Maine, he said, there were high water temperatures, and many blooms were expected. But in fact, water temperatures were so high that the layers of seawater became stratified and prevented mixing and the transfer of nutrients, so in the end there were fewer blooms than expected. Still, Wells said, the latest study “provides a lot of new evidence” and represents a believable trend.

IMRC Center to present experimental performance showcase April 28

27 Apr 2017

The Innovative Media Research and Commercialization (IMRC) Center at the University of Maine will host an evening of experimental performance beginning at 7 p.m. Friday, April 28. Studio Ajar: Performance Edition, titled “Four Aspects: Contemporary performance in practice” is a showcase of performative works developed by UMaine Intermedia MFA students over the course of several months or more. Scheduled presenters include composer and performer Steve Norton; pop media artist Josh Couturier (JaeOhEsh); and second-year MFA students Alicia Champlin and Eleanor Kipping. The performances will be followed by a reception with the artists. Light refreshments will be provided and audience members are invited to bring additional beverages and refreshments. For more information, visit the Intermedia MFA [website](#) or [Facebook](#) page.

Maine Science Festival presentations available online

27 Apr 2017

As part of the fourth annual Maine Science Festival March 15–18 in Bangor, several UMaine community members gave 5-Minute Genius presentations, described as “short, sharp talks by some of Maine’s finest scientists.” Those presentations are now [online](#). In addition, the festival included a taping of “You’re the Expert,” a live show and podcast featuring a panel of comedians who “try to get to the bottom of what a distinguished scientist studies all day.” The goal of the program is to “make academic research more accessible and exciting” to the public. Kristy Townsend, a UMaine alumna and assistant professor of neurobiology, was the expert who joined host Chris Duffy and comedians Roy Wood Jr., Michelle Buteau and Charlie Hankin through the raucous game show segments focused on ferreting out her research field. In the lab, Townsend works to unravel the mysteries of the nervous system and how the brain regulates energy balance. The Bangor show is expected to air early this fall, and a podcast will be available.

UMaine Foundation, Emera Maine honor Dick Hill through scholarship fund

27 Apr 2017

The University of Maine Foundation and Emera Maine have established an endowment fund to honor Dick Hill, one of UMaine’s most recognized and respected faculty members. The Emera Maine Professor Richard C. Hill Scholarship Fund will formally be announced on the Maine Day of Giving, Wednesday, May 3. Those who knew, worked with, or were inspired by Hill are invited to join at the Foster Center for Student Innovation for a 5 p.m. reception, remarks and presentation to the first student recipients of the scholarship, according to an Emera Maine news release. Hill was a member of the engineering community at UMaine from 1946 until his retirement in 1992. During his distinguished career, Hill served as a professor of mechanical engineering, dean of the College of Technology, and director of the Department of Industrial Cooperation. Emera Maine has pledged \$110,000 to provide two scholarships annually and endow them in perpetuity. The awards will be made to engineering students who exhibit the innovative spirit and natural leadership qualities embodied by Hill. More information about the announcement event is [online](#). In the spirit of the Maine Day of Giving, additional gifts in Hill’s honor may be made [online](#). The full news release is on the Emera Maine [website](#).

BDN publishes op-ed by marine policy, biology grad student

27 Apr 2017

Parker Gassett, a graduate student studying marine policy and biology at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) in support of Maine Sea Grant that could be facing federal budget cuts.

Camp chosen for MDI Biological Lab’s ‘Art Meets Science’ exhibit, media report

27 Apr 2017

[The Republican Journal](#) and [Mount Desert Islander](#) reported Susan Camp, a printmaker, sculptor and adjunct assistant professor of art at the University of Maine, has been named one of the MDI Biological Laboratory's four 2017 Maine artists-in-residence. The artists' work will be the subject of the laboratory's sixth annual "Art Meets Science" exhibit. Instead of concentrating exclusively on the artworks, this year's exhibit also will focus on the process of creation — how artists and scientists are inspired by their interactions with one another. The documentation of the process — through artistic journals, laboratory notebooks, sketches and photographs — will be a part of this summer's exhibit, according to the reports.

BDN cites mineral mining report by De Urioste-Stone, grad student

27 Apr 2017

A preliminary University of Maine [report](#) on survey data related to mineral mining in Maine was cited in the [Bangor Daily News](#) politics blog, "State & Capitol." The blog post, titled "Why legislating mining in Maine is so hard, in one survey," featured information from a report compiled by Andrew Morgan, a graduate student in UMaine's School of Forest Resources, and Sandra De Urioste-Stone, an assistant professor of nature-based tourism. The report contains "some of the only detailed survey data that we've seen on the subject," the article states, adding it confirms that mining is a complicated issue with many trade-offs in the eyes of Mainers, and a general lack of awareness helps explain why there has been a struggle over rules.

BDN interviews Garland about combating garden weeds, pests without chemicals

27 Apr 2017

The [Bangor Daily News](#) spoke with Kate Garland, a horticulturist with the University of Maine Cooperative Extension, for an article about how to tackle garden weeds and pests without using chemicals. While there is still some time left before planting can begin in late spring, Garland said now is the time to be planning for weed management. More Maine farmers and gardeners are looking for organic ways to remediate weed and pest problems rather than using chemical herbicides and pesticides, according to the article. While annual weeds die at the end of each season, they produce a large amount of seeds that remain in the soil's seed bank and can germinate each spring, the article states. "There are some weeds that produce hundreds of thousands of seeds per plant," Garland said. "If you do see a weed that is about to go to seed, grab it." Other advice from Garland included using newspaper as a ground cover and avoiding homemade solutions for herbicides, as they have not been tested.

Lobster Institute cited in BBC News report on orange lobster

27 Apr 2017

[BBC News](#) cited statistics from the Lobster Institute at the University of Maine for a report about a bright orange lobster that was caught and donated to Anglesey Sea Zoo where it is being cared for in the Lobster Hatchery of Wales. Experts from the Lobster Institute have previously said the odds of finding a bright orange lobster are about one in 30 million, the article states, although they stressed it is hard to accurately estimate the true number without them being caught.

Kaye to testify before U.S. Senate's Special Committee on Aging, BDN reports

27 Apr 2017

The [Bangor Daily News](#) reported Lenard Kaye, director of the University of Maine Center on Aging and professor in the UMaine School of Social Work, will urge D.C. lawmakers to support programs that help seniors stay social in order to stem the far-reaching effects of loneliness and isolation. Kaye will be one of four experts testifying Thursday before the U.S. Senate's Special Committee on Aging, according to the article. Republican Sen. Susan Collins, who chairs the committee, sought out Kaye's expertise on the issue and asked that he address the committee, the BDN reported. "We've never been a more isolated society than we are now," Kaye said. "It used to be we had extended families living under the same roof or at least in the same neighborhood or community." Kaye said he plans to persuade lawmakers to support community programs that help seniors stay social and connected to their neighbors, such as the UMaine Center for Aging's Senior Companion Program, which has volunteers spend time with seniors who live alone.

Student sustainability journal launch celebration May 4 at Hudson Museum

28 Apr 2017



The Maine Journal of Conservation and Sustainability



The inaugural edition of “Spire,” an online journal of conservation and sustainability based at the University of Maine, will be launched Thursday, May 4. A public celebration with food and beverages will mark the occasion 6–8 p.m. May 4 in the Hudson Museum at the Collins Center for the Arts. The Maine Woods National Park Photo-Documentation Project, which has photographs in “Spire: The Maine Journal of Conservation and Sustainability,” will have more on exhibit at the celebration and at the museum through June 30. The student-produced journal seeks to promote awareness-raising dialogue to unite Maine communities to effect positive environmental change. Kaitlyn Abrams, editor-in-chief, says her experience with “Spire” has been transformative. The graduate teaching assistant in the UMaine Department of English, wanted to be a fiction writer when the project commenced in December 2015. But next fall, Abrams will be attending Oxford University to earn a master’s degree in nature, society and environmental governance. “It’s been an extremely rewarding experience professionally and personally,” says Abrams. “‘Spire’ is a great platform — it invites others to join the conversation and gives young people a chance to help shape the future.” Dan Dixon, sustainability director and a research assistant professor with the Climate Change Institute, is faculty adviser of “Spire.” Along with the rest of the editorial team, Dixon, Abrams, and a number of contributing authors and artists will attend the May 4 celebration. Colby Fogg, a new media major, created the cover art and has several other designs in the journal. In addition to photographs and other pieces of art, “Spire” features work from the fields of biology and ecology, folklore, climate science, English, graphic design, nursing and forest resources. Abrams says the multidisciplinary perspective strengthens the journal. “We all live here and we all have a stake in this effort to address the shared challenges we face,” she says. Abrams visited Dixon at the end of the fall 2015 semester to share her idea for creating such a journal. “It doesn’t exist yet...but it could,” she remembers saying. She and Dixon then formed an advisory board and invited students to join the online journal’s editorial team. Abrams and other “Spire” staffers then reviewed multiple student and community submissions with environmental, conservation and sustainability themes. As of May 4 the journal will exist online. Abrams says she’s proud and excited to see it continue to flourish. People statewide interested in submitting articles, essays, data, artwork, photography or poetry with an environmental, conservation or sustainability theme are invited to visit umaine.edu/spire/submit.

Hutchinson Center graduates first relational health program cohort

28 Apr 2017

Participants of the first relational health cohort earned certificates in March after completing the six-month program at the University of Maine Hutchinson Center in Belfast. The program focused on developing skills and strategies to promote a positive workplace culture; creating and maintaining an efficient, productive and diverse team; having critical and crucial conversations; and working through difficult team dynamics. Participants came from diverse professional backgrounds including administration, education, human resources, nonprofit leadership, executive directors, board members and elected officials. The relational health certificate program’s next cohort will begin in September. Registration is online. For more professional development opportunities, visit the Hutchinson Center’s [website](#) or contact Kim Raymond at 338.8034, kim.raymond@maine.edu.

High-energy ‘Pippin’ to take flight at CCA

28 Apr 2017

Experience the high-flying 2013 Tony Award-winning musical “Pippin” at 7 p.m. Tuesday, May 9, at the Collins Center for the Arts at the University of Maine. “Pippin” has been thrilling audiences for more than 40 years with a beloved score by Tony nominee Stephen Schwartz (“Wicked”). It’s the story of a young prince on a death-defying journey to find meaning in his existence. Will he choose a happy, simple life? Or will he risk everything for a singular flash of glory? The New York Times calls the show “astonishing ... dazzling and awe-inspiring.” The most-nominated Broadway show of 2013 won four 2013 Tony Awards, including Best Revival of a Musical and Best Direction of a Musical (Diane Paulus). “Pippin” features sizzling choreography by Tony Award-nominee Chet Walker in the style of Bob Fosse, as well as circus-inspired acrobatics by Gypsy Snider of the Montreal-based company Les 7 doigts de la main (7 Fingers). “Pippin” is noted for the Broadway standards “Corner of the Sky,” “Magic To Do,” “Glory,” “No Time at All,” “Morning Glow,” and “Love Song.” Houso Semon makes her national tour debut as the Leading Player. She played Deloris in “Sister Act,” Aida in “Aida,” Charlayne in “Ain’t Misbehavin’” and Brenda in “Smokey Joe’s Café.” Naysh Fox also makes his national tour debut in the lead role of Pippin. His favorite roles include Riff in “West Side Story,” Warner in “Legally Blonde” and The Prince in “Once Upon a Time.” Brendon Schaefer portrays King Charlemagne and Allison Nusbaum plays Pippin’s grandmother, Berthe. Erica Lee Cianciulli plays the cunning Fastrada, Savannah Sprinkle plays the role of Catherine, and Courtney Dease portrays Lewis. To purchase tickets and for more information, visit the Collins Center [website](#). Also, to purchase tickets or to request a disability accommodation, call 581.1755. The Bangor Daily News is the show sponsor.

Advanced computer science students to demo games May 4

28 Apr 2017

University of Maine students in an advanced computer science course will showcase original games they created from 3:30–5 p.m. Thursday, May 4 in Neville Hall, Room 120. Students in George Markowsky’s COS 498: Advanced Video Game Programming with Unity will demonstrate a variety of games, including virtual reality, real-time strategy, network, educational and racing.

Media advance Hornsby’s Belfast talk on pictorial maps

28 Apr 2017

[The Free Press](#) and [The Republican Journal](#) reported University of Maine geographer Stephen Hornsby will speak at 7 p.m. Wednesday, May 3 at Left Bank Books in Belfast. Hornsby, director of the Canadian-American Center and professor of anthropology and Canadian studies at UMaine, will discuss his newly published book, “Picturing America: The Golden Age of Pictorial Maps.” The presentation is free and open to the public.

BDN publishes op-ed by social work grad student

28 Apr 2017

Arthur Barry Adoff, a graduate student in the University of Maine School of Social Work, wrote an opinion piece for the [Bangor Daily News](#) titled, “Good health is good for the economy. It’s time for Maine to expand Medicaid.” Jesse Call, Harry Ward and Lu Ruyi, fellow graduate students in the UMaine School of Social Work, also contributed to the piece.

Holberton to speak about shorebird-tracking technology, Mount Desert Islander reports

28 Apr 2017

[Mount Desert Islander](#) reported Rebecca Holberton, a professor of biological sciences at the University of Maine, and Lindsay Tudor, a wildlife biologist with the Maine Department of Inland Fisheries and Wildlife, will present May 1 at the MDI Biological Laboratory in Bar Harbor. The title of their 5 p.m. presentation, the last in the MDI Science Cafe series, is “Using New Technology to Understand Potential Conflicts Between Human Activity and Shorebird Conservation.” “Maine’s coastal habitats provide resources for humans and wildlife alike,” Holberton said. “But for shorebirds that rely on these habitats to rest and refuel along their extensive journeys to and from Arctic breeding grounds, human activities such as beach recreation and shellfish and rockweed harvesting may pose challenges.” Holberton and Tudor have been using a new technology to track shorebird movements within and between stopover sites during their fall migrations in Maine and beyond, according to the article.

UMaine announces 2017 Correll Book Awards

28 Apr 2017

Two children’s books are being honored with 2017 Correll Book Awards for Excellence in Early Childhood Informational Text. The winner in the 4- to 8-year-old age category is “Their Great Gift: Courage, Sacrifice, and Hope in a New Land,” written by John Coy with photos by Wing Huie. The photo essay was selected unanimously by the Correll Committee for its timely celebration of the many contributions immigrant families have shared with the United States. The winner in the birth to age 3 category is J.A. Barnes’ “Show Me Your Day.” It is the first board book selected by the committee. The diverse representations of children and excellent relationship between the text and photos made “Show Me Your Day” the committee’s top choice. The winners will be honored at the Correll Early Literacy Conference on Saturday April 29 at Wells Conference Center. This is the sixth year of the Correll Book Awards, created to bring attention to quality informational texts for young children. Susan Bennett-Armistead, an associate professor of literacy education at the University of Maine, chairs the seven-member Correll Committee, which selects the winners. Books are honored for being appropriate to each age group, as well as being engaging and accurate sources of information for young children. All of the winning books were published in English in the U.S. during the previous calendar year.

School of Nursing, UVAC to hold disaster simulation on campus May 5

01 May 2017

An active shooter with multiple victims will be the focus of a disaster simulation May 5 at the University of Maine for students in the School of Nursing and

University Volunteer Ambulance Corps (UVAC). The event, from 10 a.m.–12:30 p.m. on campus, will feature a simulated active shooter and 20 actors with a range of injuries, including those that are life-threatening. The scene will take place in the Field House; a mock hospital will be set up in the School of Nursing, first floor of Dunn Hall. The simulation will provide hands-on training for 40 UMaine senior nursing students in a 400-level community and population health class, developed by assistant professor Kelley Strout. The students will be evaluated on their disaster response, including triage of victims. UVAC staff, led by Student Chief Aiden Koplovsky, a senior who is a zoology pre-med major, will be joined in the disaster training exercise by area fire and rescue personnel. Numerous volunteers from the UMaine community are involved in the planning and implementation of the disaster simulation, including Susan Wheaton, director of the nursing labs, who will lead moulage; Valerie Herbert, director of the simulation lab, and registered nurses from local health care organizations.

Meal packing, campus beautification projects slated for Maine Day, May 3

01 May 2017

University of Maine students, faculty and staff will take part in Maine Day, the annual campuswide spring cleanup tradition, on Wednesday, May 3. UMaine community members will complete service projects aimed at sprucing up the campus, enjoy a free barbecue, and set a meal-packing record. Festivities will begin at 8:30 a.m. with a parade featuring student organizations, residence hall groups, fraternities and sororities, as well as faculty and staff. The parade will start at the Hilltop area and travel around campus before ending on the Mall. Those participating in the parade are encouraged to follow this year's Harry Potter theme. Parade registration is [online](#) until 5 p.m. Monday, May 1. Prizes will be awarded for the best campus department and student organization parade entries. Department winners will get the opportunity to attend a men's ice hockey game in the skybox of Robert Dana, UMaine's vice president for student life and dean of students. The best student organization will receive \$200 from Student Life to be used for an event of their choice during the fall semester. After the parade, volunteers will take part in more than 70 projects, including raking, planting flowers, picking up litter and painting at various locations on and around campus. New projects this year include preparing a donation of firewood for the Waldo County Woodshed at the University Forest Field Office on College Avenue, and The Hungry 100K: Maine Day Meal Pack-out in the Memorial Gym. The goal of The Hungry 100K, which is organized by UMaine's Honors College Student Advisory Board, is to pack 100,000 meals — about 5.5 tons of food — to be given to local food banks and community organizations that feed the hungry. Organizers say they will set a record for the most meals packed in a single UMaine event and in a single day in Maine. By completing The Hungry 100K, UMaine is expected to surpass Harvard University and set the record for the most meals packed by any school in New England. A list of projects, including The Hungry 100K, is available on the Bodwell Center for Service and Volunteerism [website](#). Volunteers are still needed for many projects, including The Hungry 100K. Online registration ends May 1. In-person registration for remaining projects will be available beginning at 9 a.m. May 3 on the Mall (or in the Memorial Union in the event of rain). Projects will continue until the annual Maine Day barbecue takes place in the Steam Plant Lot from noon to 1 p.m. The rain locations for the barbecue are Hilltop Dining, Wells Central and York Dining. Several student organization philanthropy events will take place in the lot from noon to 3 p.m. Activities include the Alpha Delta oozeball — mud volleyball — championship, Sophomore Owls' band showcase, the Delta Tau Delta car bash, UMaine 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, and the St. Baldrick's head-shaving event hosted by UMaine Circle K. President Arthur Hauck first inaugurated Maine Day in 1935. It is traditionally held on the last regular Wednesday of the spring semester. Classes with three or more weekly meetings are canceled to allow students to participate in volunteerism. Funding for Maine Day is provided by the University of Maine President's Office, Division of Student Life, Vice President for Administration and Finance, Facilities Management and Black Bear Dining. More information about Maine Day is [online](#). Contact: Elyse Catalina, 207.581.3747

UMaine to launch 100-hour continuous operation campaign of new Biomass to Bioproducts Pilot Plant

01 May 2017

A pilot plant capable of processing up to 1 ton of woody biomass per day into chemicals that can be used to manufacture bioproducts, including biofuels, biochemicals and advanced materials, will be demonstrated in 100 hours of continuous operation beginning May 1 at the University of Maine's Technology Research Center (TRC) in Old Town. Chemicals made from biomass could one day be an important revenue source for the forest economy. Organic acid platform chemicals, as they are known in the industry, have multiple uses, including the production of plastics and other specialty chemicals. At UMaine, these "green" chemical intermediates are critical in the university's patented conversion technology to produce diesel and jet fuel from woody biomass, developed by the Forest Bioproducts Research Institute (FBRI). Installation of the new Biomass to Bioproducts Pilot Plant was made possible by a partnership between UMaine and Biofine Technology based in Framingham, Massachusetts. To ensure that the valuable asset remained in Maine, Biofine paid \$200,000 to have the pilot plant disassembled and moved to the TRC, which is located on the site of the former Old Town Fuel and Fiber facility. Biofine acquired the pilot plant in 2015 when Old Town Fuel and Fiber closed and its contents were auctioned. UMaine reassembled the pilot plant with a grant from the Maine Technology Institute's Cluster Improvement Program (CIP) and some funds from a previous Maine Technology Asset Fund (MTAF) award. This was further supplemented with federal funds from a recent Defense Logistics Agency award. The Biomass to Bioproducts Pilot Plant, which occupies 10,000 square feet in TRC, is the first step in scaling up UMaine's jet fuel technology, which is still in bench-scale production. FBRI researchers hope to add another pilot plant that would use the platform chemicals to create larger quantities of biofuel — prototyping for commercialization. The two pilot plants would fully demonstrate the potential of creating diesel and jet fuels — and the chemical ingredients — entirely from biomass. The Biomass to Bioproducts Pilot Plant is the newest addition to UMaine's research facilities that are dedicated to prototyping, and demonstrating technologies and new products to benefit commercialization of the emerging bioeconomy sector. UMaine's other pilot plants focus on pulp and paper, food and nanocellulose. "Biofine is contemplating a small commercial deployment at 100 tons of biomass per day for chemical production," says FBRI Director Hemant Pendse. "The Biomass to Bioproducts Pilot Plant will help provide the information needed to make that possible." Biofine has been assisted in its recent efforts by a New York state-based construction firm that is providing pre-construction services in support of the planned commercial venture. Biofine's first large-scale project in the United States is planned for installation at the recently closed Old Town, Maine pulp mill. The mill is to be rejuvenated as a multi-tenant industrial park by a group of new owners based in Maine. The 100 hours of continuous operation, during the week beginning May 1, will provide reliable engineering data for companies considering such development, including the first commercial plant in Maine. In addition, this operational campaign will produce organic acid salts made from old corrugated cardboard waste as precursors for conversion to jet fuel and diesel using UMaine's patented technology. FBRI is well positioned to help Maine communities attract new investments in forest bioeconomy for producing bioproducts — fuels, chemicals and advanced materials — from biomass at scales ranging from 100 to 1,000 tons per day dry feed. Contact: Hemant Pendse, pendse@maine.edu; Margaret Nagle, 207.581.3745

Mechanical engineering technology students to present capstone projects May 3

01 May 2017

About 45 University of Maine students in the Mechanical Engineering Technology (MET) Program will present their senior capstone design projects on Maine Day. From 9 a.m.–3:30 p.m. Wednesday, May 3, students will showcase their final projects in the Machine Tool Lab, Room 106. Scheduled presentations:

- 9–9:30 a.m. “Human-powered alternative energy.” MET students are collaborating with a team of four high school students and their faculty adviser in Belfast to build a green power-generating station. Energy will be generated by children pushing a merry-go-round and be used to charge cell phones at a kiosk at a city park in Belfast.
- 9:30–10 a.m. “Pellet mill for bio-sourced energy.” MET students are designing and building a biomass pellet mill to convert agricultural byproducts into a usable fuel source. Biomass pellets represent a form of renewable energy that currently is being disposed.
- 10–10:30 a.m. “4th axis on CNC machine.” MET students are designing and building a fourth axis for a CNC router at Shaw & Tenney, an Orono-based manufacturer of wooden oars, paddles and other boating accessories. The fourth axis will allow the company to manufacture a wider range of products.
- 10:30–11 a.m. “Wind-wave basin boat launcher.” MET students are collaborating with UMaine’s Advanced Structures and Composites Center to design and build a launch platform for the center’s wind-wave basin. The project will result in a reduction of effort and increased flexibility.
- 11–11:30 a.m. “Power pinned singlets.” MET students are exploring manufacturing processes and techniques to produce a safe, reliable method to attach blades within steam turbines for GE using a nonwelding-based approach.
- 11:30 a.m.–noon “Hybrid go-kart.” MET students are building a propane-powered hybrid go-kart with electrical engineering students, that is anticipated to be operational by Maine Day.
- Noon–1 p.m. Break
- 1–1:30 p.m. “Knitted composites for structural applications.” MET students are collaborating with the UMaine Composites Center to manufacture carbon fiber knitted composite structures for use in automotive and pedestrian bridge applications.
- 1:30–2 p.m. “3-D printed fixtures for aerospace applications.” MET students are collaborating with an aerospace manufacturer to 3-D print fixtures used in the manufacture, inspection and assembly of aerospace components. By additively printing 3-D fixtures instead of subtractive removing material via traditional approaches, manufacturers will be able to reduce lead times and costs.
- 2–2:30 p.m. “Virtual terrain simulator.” MET students are collaborating with UMaine’s VEMI Lab to produce a tactile feedback, or “haptic,” floor. By incorporating tactile feedback into the floor, VEMI envisions studying the effects of loss of balance with old age, as well as methods to mitigate those effects. Further potential applications include high-end gaming applications.
- 2:30–3 p.m. “Automation of material handling.” MET students are refurbishing and modifying an industrial robot to automate material handling for a Maine-based company.
- 3–3:30 p.m. “Boom mower for landfill applications.” MET students are refurbishing a boom flail mower for high-angle mowing applications for Pine Tree Landfill located in Hampden. By adding this capability, Pine Tree Landfill will be able to comply with regulations in a safer manner than currently possible.

All presentations are open to the public. More information on the projects is available [online](#) or by contacting Brett Ellis at 581.2134, brett.ellis@maine.edu; or Keith Berube at 581.2342, keith.berube@maine.edu.

Research Administrators Network meeting May 10

01 May 2017

The University of Maine’s Office of Research and Sponsored Programs invites staff who support research activities at UMaine to attend the Research Administrators’ Network (RAN) meeting from 2–4 p.m. Wednesday, May 10, in Stodder Hall, Room 57. ORSP post-award staff will offer a training on allowable costs and cost transfers. More information, including a link to register, is online. RAN aims to promote networking; share information, expertise and best practices; identify and develop tools and resources to support research administrators; and enhance communication between ORSP and research administrative support personnel.

Boothbay Register mentions UMaine in article on pellet plant

01 May 2017

The University of Maine was mentioned in a [Boothbay Register](#) article about C and L Forestry Wood Pellets. The Boothbay company’s owner, a licensed professional forester and arborist for more than 20 years, decided to start producing pellets for heating around two years ago, according to the article. The company spent the past winter perfecting pellet quality before testing them against Pellet Fuels Institute requirements, the article states. A 40-pound bag of pellets was sent to UMaine to be tested for moisture content, density, durability, ash content and BTUs (British Thermal Units). The pellets received approval and product marketing has begun, Boothbay Register reported, adding that the pellets are made from sustainably managed local forests. [Mainebiz](#) also reported on the company, citing the Boothbay Register article.

WABI interviews student at biological, medical sciences symposium

01 May 2017

[WABI](#) (Channel 5) covered the 44th Maine Biological and Medical Sciences Symposium held in Bar Harbor. More than 200 students and scientists gathered to talk about biomedical innovation and the advancement of scientific research in Maine, according to the report. Along with the chance to network and learn about scientific innovation, the event offered an opportunity for students to learn about what it takes to work in the field, WABI reported. “It’s a really good support group,” said Ashley Soucy, a University of Maine student who attended the symposium. “Not only do they have new professors, as well as postdocs and Ph.D. students, but they also have a large undergraduate community presenting all their data. [It’s] giving them an opportunity to learn, and come to meet with a bunch of other faculty members, and just see what it’s like to become an actual part of the scientific field.”

UMaine spruce budworm risk analysis mentioned in BDN report on lumber tariff

01 May 2017

A University of Maine spruce budworm risk analysis was cited in the [Bangor Daily News](#) article, “Many Maine sawmill owners are not cheering Trump’s lumber tariff.” The analysis, provided by Erin Simons-Legaard, an assistant research professor in forest landscape modeling, identified the acreage in each Maine county by susceptibility to a spruce budworm outbreak. The analysis found forests in Aroostook, Penobscot, Piscataquis and Somerset counties had the highest share of at-risk acreage, according to the article.

Press Herald cites UMaine Extension experts in article on sustainable spring cleaning

01 May 2017

Advice from University of Maine Cooperative Extension experts John Jemison, Amy Witt and Marjorie Peronto was included in the [Portland Press Herald](#) article, “Here are 10 tips to help you with spring cleaning, done sustainably.” Jemison, a soil and water quality specialist, reminded readers to fix leaky hoses to avoid wasting water. “If you are leaking greatly, it is going to make a big difference,” he said. Horticulturist Witt recommended gardeners avoid buying vegetable seedlings and flowers at local supermarkets and big box stores. “You don’t know what they’ve been treated with or where they are coming from,” she said. “Are they coming from the South? Are they cold hardy for our climate?” Instead, Witt suggests checking out local plant sales, farmers markets and nurseries for Maine-grown garden plants. Peronto, an educator based in Hancock County, was cited in relation to the advice to avoid purchasing invasive plants. “Acadia National Park has 205 non-native plant species that make up 26 percent of the park’s flora,” according to Peronto, who gave a recent talk in Falmouth, where she passed out bookmarks that list mostly native plants to use in place of four especially destructive invasives, the article states.

Comins speaks about new book, space travel on PRI’s ‘Living on Earth’

01 May 2017

Neil Comins, a professor of physics and astronomy at the University of Maine, was a recent guest on “[Living on Earth](#),” Public Radio International’s weekly environmental news and information program. Comins discussed his latest book, “The Traveler’s Guide to Space: For One-Way Settlers and Round-Trip Tourists.” Comins said adventurous travelers will experience wonders as well as considerable discomfort and danger.

UMaine to hold international Potato Disease Summit, AP reports

01 May 2017

The Associated Press reported the University of Maine will host a forum about potato diseases this fall that’s expected to draw scientists from all over the U.S. and Europe. The Potato Disease Summit will be held Nov. 9 at the Cross Insurance Center in Bangor. Plant pathologists, researchers and scientists will present the latest information on the bacteria — *Dickeya* and *Pectobacterium* — that cause blackleg disease, an emerging potato seed problem. “The University of Maine is responding to this situation by holding an international summit focused on the latest research and what steps are needed to help the potato industry,” said UMaine President Susan J. Hunter. “As Maine’s only public research university, we are a longstanding partner with the state’s potato industry in addressing its needs, including the growing threat posed by *Dickeya* and *Pectobacterium*.” The event also is expected to draw regulatory officials and potato seed growers and buyers, according to the AP. U.S. News & World Report, WABI (Channel 5), The Kansas City Star and Madison.com carried the AP report.

Climate change directory created to connect public with experts, information

01 May 2017

Ever wonder if there’s a journalism course at the University of Maine that incorporates climate science reporting? Who would be an informative speaker to talk about long-term watershed management, or changes in the lobster industry related to climate impacts, or reducing climate-related effects with community infrastructure improvements? Answers to these questions and many more can be found by perusing the initial launch of the University of Maine [Climate Change Capacity Discovery Directory](#). Nicole Spaulding, an assistant research professor in the Climate Change Institute and an ice core paleoclimatologist, says the online directory resulted from a 2016 survey sent to more than 1,500 full- and part-time UMaine faculty and salaried employees. The goal of this “directory of expertise” is to define the knowledge and resources at UMaine on the broad topic of climate change, as well as to strengthen campus awareness, communication and coordination. A search of courses listed in the directory reveals that student journalists interested in climate change reporting could take CMJ 404 Communicating Risk (climate change is one of the nine case studies discussed), as well as CMJ 498 Science and the News Media. There’s also ENG 418 Science Writing. For people wanting to learn about long-term watershed management solutions, there’s Sean Smith, an assistant professor in the School of Earth and Climate Sciences. He develops solutions to problems identified by stakeholders — including climate change adaptation, watershed restoration and aquatic habitat rehabilitation. And for those interested in speaking with an expert about changes in the lobster industry related to climate impacts or reducing climate-related effects with community infrastructure improvements, there’s Esperanza Stancioff, an educator with University of Maine Cooperative Extension and Sea Grant. The 152 faculty and staff who responded to the survey and are involved with an aspect of climate change are listed alphabetically in the directory — from Stephen Abbadessa to Gregory Zaro. Each respondent’s contact information is listed as well as a description of his or her outreach, research, work focus and/or course(s) with a climate change component. As of mid-April, survey respondents listed 147 courses that include a climate change component — from AED 270 Introduction to Visual Culture and Learning to WLE 340 Freshwater Fisheries Ecology and Management. Spaulding says the CCI launched the Climate Change Capacity Discovery Survey to create synergies on campus and to help people in Maine and around the world to connect with experts and information. In 2014, Climate Change was identified as one of the University of Maine’s Signature Areas of Excellence. The designation was due to the world-class work of researchers at the Climate Change Institute and the broad array of expertise across many university academic, research, and outreach units that contribute to this arena of science — including the physics of climate science and impacts of climate change on food systems, forestry, tourism, fisheries and human health. Spaulding encourages campus faculty and staff to contact her at nicole.spaulding@maine.edu to become part of the directory and she welcomes updates from those already listed.

Area youth win top awards at Maine National History Day

02 May 2017

At Maine National History Day at the University of Maine in Orono April 8, 265 students from 28 middle and high schools showcased exhibits, papers,

websites, documentaries and performances based on their original research. A list of all the 2017 award winners is [online](#). Awards are given in several categories, and the top state winners will be eligible to compete in the national contest at the University of Maryland, June 11–15. Maine National History Day is a partnership between the University of Maine Humanities Center and the Margaret Chase Smith Library, with support from the Maine Humanities Council and the Maine Historical Society. This year’s theme was “Taking a Stand in History.” National History Day is an academic program that began in 1980 to promote critical thinking, research and presentation skills through project-based learning for students of all abilities in grades 6–12. More than half a million students, working with thousand of teachers, participate in the national contest annually. For information about next year’s Maine National History Day program, contact state coordinator John Taylor at the Margaret Chase Smith Library, john.m.taylor@maine.edu; 207.474.7133. You can also learn more about Maine National History Day on Facebook.

Go from boards to harvest with UMaine Extension garden series

02 May 2017

University of Maine Cooperative Extension’s five-session class on raised-bed and container gardening starts 9–11 a.m. May 10 at the UMaine Extension Somerset County office in Skowhegan. Extension staff and Master Gardener volunteers will lead the hands-on series; remaining sessions will be held June 14, July 19, Aug. 16 and Sept. 13, at the same time and location. Participants will help build raised-bed, square-foot containers, then plant, maintain and harvest vegetables from them. The \$20 per person fee covers all materials. Register online. For more information or to request a disability accommodation, contact Tammy Bodge-Terry at 474.9622, 800.287.1495 (toll-free in Maine).

Road repaving on campus begins May 4

02 May 2017

Repaving of Long Road from Flagstaff to Beddington roads is scheduled to begin May 4. The road will not be closed, but commuters should expect delays. In addition, portions of Dunn and Corbett parking lots are scheduled for repaving.

Calder, UMaine Extension mentioned in BDN article on food safety among cheesemakers

02 May 2017

Beth Calder, a food science specialist with the University of Maine Cooperative Extension and associate professor of food science in the School of Food and Agriculture, was quoted in the [Bangor Daily News](#) article, “How Maine’s cheesemakers are keeping food safety a top priority.” When news broke about a listeria outbreak tied to Vulto, a New York-based artisan creamery earlier this spring, Maine’s growing community of artisan cheesemakers reacted with sadness and shock, the BDN reported. Records from the creamery showed that more than a quarter of swab tests done between July 2014 and February 2017 were positive for *Listeria monocytogenes*, the article states. Calder said what happened at Vulto isn’t the way things are supposed to be. “If they were getting hits, they should have been doing corrective action on their sanitation practice,” she said. A contributing factor to Maine cheesemaking safety is the work of the Maine Cheese Guild, the article states. The guild, which works to support and encourage the Maine cheesemaking community, has co-sponsored a food and dairy safety workshop with UMaine Extension every other year.

Caserta speaks about adult fitness, wellness camp on WABI

02 May 2017

Caitlin Caserta, the assistant director of fitness at University of Maine Campus Recreation, visited the studio of WABI (Channel 5) to talk about the upcoming Body and Mind Adult Fitness/Wellness Camp. The camp, which is for adults who are 55 years of age or older, will include wellness, fitness and falls-risk assessments; ideas for safe, at-home workouts; and meal planning. “Physical fitness is important, as well as your well-being,” Caserta said. “Sometimes as we get older, we kind of let those things slide, so it’s motivation to get people active again and create a physically active older adult community in the Bangor/Orono region.” The daylong camp will be offered Friday, May 19 and Saturday, June 3. Registration is available at the New Balance Student Recreation Center or by calling 581.1082.

Kansas City Star quotes LaBouff in report on American atheists

02 May 2017

[The Kansas City Star](#) interviewed Jordan LaBouff, an assistant professor of psychology and honors at the University of Maine, for the article, “26 percent of Americans are atheist? Researchers say the godless are undercounted.” Atheists remain largely out of view and broadly disliked, according to the article. “Fundamental atheists,” according to one social psychologist, refers to people who aggressively make the argument that belief in God is for suckers, the article states. “Those people are more rare than other atheists ... but they represent the only time someone knows they’re hearing from an atheist,” said LaBouff, who has studied religion and prejudice. He said even growing contact with more ordinary atheists — people who often buy the ethical truths of religious Scripture even if they can’t accept supernatural elements as fact — might not dramatically reduce prejudice. “People implicitly trust members of other religions more than they trust an atheist,” LaBouff said. “We sort of assume that people who don’t believe in a big scary God that might punish you for bad behavior are going to be less moral.” The [Bangor Daily News](#) also published the Kansas City Star report.

Caron, grad student’s research cited in Ireland’s Sunday Business Post

02 May 2017

Sandra Caron, a University of Maine professor of family relations and human sexuality, was interviewed by [The Sunday Business Post](#) in Ireland for an article about France’s youngest presidential candidate, Emmanuel Macron, who is married to a woman 25 years his senior. Caron is one of a small number of sociologists to have studied relationships between younger men and older women, according to the article. Her research, with former graduate student and current family therapist Nichole Proulx, identified positive attitudes among eight sample couples where the husband was at least 10 years younger. While stigma was common, the age gap was not an issue where both partners appeared to be similarly youthful, the study found. “These marriages are less

traditional and therefore seem to experience more freedom to create a relationship that works for them, and a better balance in terms of power in their relationship,” Caron said. Women in such marriages liked that their partners made them feel younger, while the men were attracted to a sense of maturity and financial security, according to Caron. Caron also was quoted in an article about generational hookup trends in [The Brown and White](#), Lehigh University’s student newspaper.

In the weeds

02 May 2017

[um-iframe src="https://www.youtube.com/embed/IYurDLnsDOM" width="800" height="450" allowfullscreen] [Read transcript](#) UMaine graduate student Sonja Birthisel conducts weed management research to find environmentally safe practices producing maximum benefit to Maine farmers.

Transcript

Sonja Birthisel: My overarching thesis question is, what can we expect in terms of how climate change might impact weed management here in Maine and what are some adaptive management strategies that are going to be effective now and continue to be effective with the changes we expect to see coming down the road? Using clear plastic mulches, spread out on top of prepared beds in the springtime, actually heats the soil to temperatures that are hot enough to kill weed seedlings and weed seeds. This could be a really good no-till or reduced tillage, bed preparation method for growing high-value vegetable crops. One of the major questions I get from farmers when I’ve told them about this project is what does that do to the good soil microbes? I’ve done some researches looking at whether the soil solarization hurts soil microbes, and how the clear plastic compares to using black plastic, silage tarps in the same way, which is a little bit more commonly done. So far, it looks like the clear plastic is working a little bit better and neither of the practices hurt soil microbes very much. That’s good news for our farmers. Our lab also participates every summer in a program that does bring high school interns to work with university researchers. I’ve been the mentor for a number of student summer projects, and this is a really great opportunity where the high school students from all over the state of Maine get a chance to develop an independent project and carry that out. One of the students I had this past summer has actually kept working with me through the semester and is going to be co-author on a paper that’s featuring part of her independent projects. That’s really exciting. My dream is to be a college professor. I would love to be my boss someday at an institution similar to UMaine, where I get to do a mix of research and teaching. I will see where the wind takes me. [Back to post](#)

Davis to be panelist at event exploring ocean stewardship

03 May 2017

Christopher Davis, executive director of the Maine Aquaculture Innovation Center and a resident of the Darling Marine Center, will be a panelist at a May 18 event in Portland that explores how to sustain healthy oceans and responsible growth. The free event at the University of Southern Maine Abromson Center begins with a 6:30 p.m. reception. The Portland premiere of “Ocean Frontiers III: Leaders in Ocean Stewardship” will be at 7 p.m. and a panel discussion and question-and-answer session will be held at 8 p.m. Other panelists are Chris Mayo, harbormaster in Wells, Maine; Susan Farady, assistant professor of ocean studies and marine affairs at the University of New England; and Aimee Bushman (moderator), ocean planning outreach coordinator with the Conservation Law Foundation. A trailer of the film is [online](#). To reserve a seat at the event co-hosted by the Darling Marine Center, visit [Eventbrite](#).

Barton Seaver to deliver keynote at graduate recognition ceremony

03 May 2017

Author and executive chef Barton Seaver will be the keynote speaker at the University of Maine’s 30th annual Graduate Student and Faculty Recognition Ceremony on May 12. The ceremony, which begins at 4 p.m. in the Harold Alfond Sports Arena, honors more than 200 UMaine graduate students pursuing master’s and certificate of advanced studies degrees, who will be hooded during the ceremony. Seaver, who also is the director of the Sustainable Seafood and Health Initiative at the Harvard School of Public Health and a senior adviser at the University of New England, is driven by his mission of restoring relationships through food. After graduating from the Culinary Institute of America in 2001, Seaver served as an executive chef in seven of his restaurants. He has written several books and is a contributing editor and writer for Coastal Living, To Market, Cooking Light, and EatingWell magazines. His latest book, “From Sea to Shining Sea,” is set for release this fall. His TED Talk, “Sustainable seafood? Let’s get smart” has received more than 500,000 views. In 2012, Seaver was named to the United States Culinary Ambassador Corps by Secretary of State Hillary Clinton.

Enderlin to discuss Greenland ice sheet, Mount Desert Islander reports

03 May 2017

[Mount Desert Islander](#) reported Ellyn Enderlin, a research assistant professor at the University of Maine Climate Change Institute and School of Earth and Climate Sciences, will speak in Bar Harbor on May 5. Enderlin will discuss the drastic changes to the Earth’s oceans as a result of the melt of the Greenland ice sheet. Her talk, part of the College of the Atlantic’s Seminar on Climate Change Speaker Series, will begin at 4:10 p.m. in McCormick Lecture Hall, according to the article. Enderlin has devoted her research to learning about how the massive body of ice is likely to move and change in these uncertain times, the article states. The Greenland ice sheet, Enderlin said, is extremely important because it contains enough ice to raise sea levels by an average of six meters.

WLBZ previews Maine Day, meal-packing event

03 May 2017

WLBZ (Channel 2) advanced Maine Day, the University of Maine’s annual campuswide spring cleanup tradition. The May 3 event mixes chores with games and activities, WLBZ reported. The day begins with a Harry Potter themed parade, followed by more than 70 projects, including raking, planting flowers, picking up litter and painting at various locations on and around campus. New projects this year include The Hungry 100K: Maine Day Meal Pack-out in the Memorial Gym.

Garland speaks with BDN about successful composting habits

03 May 2017

The [Bangor Daily News](#) interviewed Kate Garland, a horticulturist with the University of Maine Cooperative Extension, for an article about how to build successful composting habits. Composting is the process of organic matter breaking down and becoming a type of fertilizer, according to the article. "I tend to think of my compost bin almost as a pet, because you have living organisms that are working for you to break down that material that you are putting in, so you need to have the right food and the right environmental conditions for them to thrive," Garland said. Garland, who has seen an increase in people seeking advice for home composting, said anyone with a little bit of outdoor space and motivation to collect their food scraps can start composting on a backyard scale. "Starting just with a heap in your yard is so much better than putting that waste into the traditional waste stream," she said. "You're allowing [the waste] to return back to nature instead of having it go into a plastic bag in a landfill."

WABI reports on UMaine Speech Therapy Telepractice Program

03 May 2017

WABI (Channel 5) reported on the University of Maine's Speech Therapy Telepractice Program, which allows speech therapy students the opportunity to gain valuable, clinical experience without leaving campus. Using a secure web-hosted video conferencing system, graduate student clinicians provide speech therapy services to adults and children through computers or other devices connected by high-speed internet. Sydney Trask, a student clinician, said she had to overcome the learning curves that come with cyber therapy. "I love people and working with people, helping people," she said. "So I was definitely a little concerned that I might not make that connection." Fellow student clinician Brooke Talcott added, "I don't really see much of a difference between doing it in person and doing it over the computer." The unique telepractice services at UMaine now serve as a model for other academic programs around the country, WABI reported. "We have the only program in the state that actually trains speech language pathology students at the graduate and undergraduate levels," said Judy Walker, an associate professor in UMaine's Department of Communication Sciences and Disorders, who developed the program, which serves adults and children. "We're like the speech therapist in a box," said MaryBeth Richards, clinical supervisor of the telepractice program.

School of Performing Arts to present Spring Dance Showcase May 4

03 May 2017

The University of Maine School of Performing Arts' Spring Dance Showcase will premiere at 7:30 p.m. Thursday, May 4, in the Hauck Auditorium, with subsequent performances Friday and Saturday, May 5–6. The showcase will feature more than 50 student dancers and choreographers presenting original performances across a variety of dance styles, including hip-hop, tap, ballet and Celtic. Tickets for each performance are \$9, or free with a student MaineCard, and may be purchased through SPA's ticketing [website](#).

UMaine expected to bring in another record-setting class this fall

04 May 2017

Editor's note: Story updated May 8. This fall, the University of Maine expects to welcome the largest incoming class in its history after the number of new students confirmed for admission by the May 1 deadline topped 2,500. As of May 1, 2,512 students paid their deposit fee to attend in the fall — up from 2,457 confirmed students last year, which resulted in UMaine's largest-ever incoming class of 2,230 in fall 2016. Accepted students who have not confirmed have until the close of business on Friday, May 5 to secure a position in the fall 2017 entering class. "We are excited about our record-setting number of first-year student confirmations," says UMaine President Susan J. Hunter. "These incoming students reflect the hard work required to meet the challenge of recruiting in a formidable climate, with declining demographics and strong competition for qualified applicants. We look forward to welcoming this large and talented incoming class to the state's flagship university." This spring, UMaine had more than 13,000 completed applications. The number of confirmed out-of-state and international students is up 12 percent and 21 percent, respectively. The number of confirmed students who also intend to enroll in the Honors College is up 31 percent from last year. For the second consecutive year, UMaine's commitment to affordability, strategic investments in signature strengths and aggressive marketing succeeded in recruiting more out-of-state students, particularly from the nine states targeted in the Flagship Match financial aid program. Flagship Match allows students from California, Illinois, Rhode Island, Pennsylvania, New Jersey, Vermont, Connecticut, Massachusetts and New Hampshire to pay the same tuition they would pay at their home state's flagship campus. For Maine students, the university offered a new Maine's Top Scholars program, in addition to the Maine Match, Maine Matters and Merit Scholarship programs. "Recruiting the best students possible is good for UMaine and the University of Maine System, and good for the state," says Jeffrey E. Hecker, UMaine executive vice president for academic affairs and provost. "Students are attracted to the breadth, depth and quality of the academic experience they receive at a research university. This successful student recruitment also helps Maine economically, immediately and in the long run, as we seek to develop a greater workforce." Contact: Margaret Nagle, 207.581.3745

Shapleigh resident to receive UMaine 4-H outstanding volunteer award

04 May 2017

Hazel Goodwin of Shapleigh will be awarded the 2017 University of Maine Cooperative Extension 4-H Salute to Excellence Outstanding Volunteer Achievement Award, the highest 4-H volunteer honor bestowed by UMaine Extension 4-H. The award recognizes Goodwin's dedication to positive youth development and contributions to Maine youth during her 63 years of volunteer service. Since 1954, she has served as leader or assistant leader of the Four Leaf Clover 4-H Club in Shapleigh. Goodwin will be honored at the Maine 4-H Foundation annual luncheon on May 23 in Orono. The Maine 4-H Salute to Excellence Outstanding Volunteer Achievement Award honors 4-H volunteers who have served Maine 4-H for 10 years or more. As the 2017 honoree, Goodwin also becomes Maine's nominee for the 2018 National 4-H Salute to Excellence Outstanding Lifetime Volunteer Award. Before becoming a 4-H volunteer, Goodwin was a member in the Four Leaf Clover 4-H Club for 11 years (1931–42) during the Great Depression. When her children joined her former club, she decided to give back by becoming a 4-H volunteer. Under Goodwin's guidance, the Four Leaf Clover 4-H Club became an integral part of the Shapleigh community. Goodwin has been adamant that club members serve the community. The Four Leaf Clover 4-H Club members clean the town hall and fire station, plant flowers around the town and serve meals at town meetings. As a result of the club's commitment, the town of Shapleigh gives each 4-H member a small yearly stipend. Goodwin also committed to helping the 4-H members learn about state and national history, making it a priority to take

members on field trips to local historic sites.

Dan Churchill to receive Dan Sandweiss Graduate Student Advocacy Award

04 May 2017

The University of Maine Graduate Student Government has announced this year's winner of the Dan Sandweiss Graduate Student Advocacy Award, which is given to a member of the UMaine community who has shown dedication and service to graduate students. This year, the GSG has awarded the honor to Dan Churchill. Churchill, who earned a bachelor's degree in engineering physics at UMaine in 1963 and an MSBA and MBA from Boston University in 1971 and 1972 respectively, went on to a successful career in international finance where he organized and negotiated the financing of large multinational corporations in Europe, Africa and Asia. Now retired, Churchill is closely involved with the UMaine School of Policy and International Affairs and the Climate Change Institute. He currently serves as the chair of the SPIA advisory board and, along with his wife, created the Dan and Betty Churchill Exploration Fund, which helps support students pursuing field research within the CCI. To date, the Churchill Exploration Fund has supported the fieldwork of more than 50 graduate students. "His careful thought, involvement and genuine interest in our graduate students is very encouraging," says Dan Sandweiss, director of SPIA and professor of anthropology and climate change. "Churchill has invested a great amount of time and wisdom to help transform these two programs and make them better for the university's students." Churchill will be honored at the Graduate School's hooding ceremony on May 12.

Ellsworth American covers 'fake news' discussion

04 May 2017

[The Ellsworth American](#) reported on a public conversation on the topic of fake news hosted by the League of Women Voters-Downeast. The discussion, which was held in Ellsworth, featured a panel of guests including Josh Roiland, an assistant professor of journalism at the University of Maine; Earl Brechlin, author and editor of Mount Desert Islander; and Stephen Fay, managing editor of The Ellsworth American, according to the article. "What we have is not a journalism problem, but an education problem," Roiland said of the increase in fake news. After an audience member asked about balanced reporting, Roiland said rather than focusing on the idea of balance, he is more interested in seeing reporting that is accurate, factual and fair. He said the idea of balance can sometimes lead to false equivalency, which is a problem, the article states.

BDN advances Maine Composts Week

04 May 2017

The [Bangor Daily News](#) reported a collaboration of groups is seeking to engage Mainers by organizing the first Maine Composts Week, a series of events being held May 7–13, exemplifying what people can do to cut down on food waste. The week is being put on by a coalition of about 16 groups from across Maine and is being held in conjunction with International Compost Awareness Week, according to the article. While the title of the week alludes to only compost, steering committee chair Travis Blackmer wants the week to bring to light the range of ways in which Mainers can reduce food waste and make sure food is used to its maximum potential, the article states. "We're trying to bring all aspects of the food nexus together. Food diversion, composting, food recovery — those are all things that are being done [in Maine]," said Blackmer, a lecturer in the University of Maine's School of Economics and research associate at the Senator George J. Mitchell Center for Sustainability Solutions. The week will feature organized events including library talks and documentary screenings, the BDN reported. "Our hope is to inspire," Blackmer said of this year's goal.

Media cover Maine Day, record-breaking meal pack-out

04 May 2017

WABI (Channel 5) and [WLBZ](#) (Channel 2) covered Maine Day, the University of Maine's annual campuswide spring cleanup tradition. More than 70 volunteer projects, including raking, planting flowers, picking up litter and painting were conducted at various locations on and around campus. One of the projects, The Hungry 100K: Maine Day Meal Pack-out, set a record for the most meals packed by a single campus during one event in the Northeast region. More than 250 volunteers helped the UMaine Honors College and Bodwell Center for Service and Volunteerism surpass their goal by packing 107,500 meals — about 5.5 tons of food — which will be sent to food banks and shelters around the state. "There's a lot of stuff going on in the world, but these sorts of events are what's so meaningful and has been so impactful for me," team leader Brady Davis told WLBZ. Samuel Borer, a member of UMaine's Honors College Student Advisory Board which helped organize the event, told WABI the number of meals packed is the most in Maine's history. "It's also the most ever by a university. We are really ecstatic about it; we're really proud. It really brings the community together to fight food insecurity in Maine." [WLBZ](#) also covered the St. Baldrick's head-shaving event hosted by UMaine Circle K during Maine Day.

Media report on UMaine's new Biomass to Bioproducts Pilot Plant

04 May 2017

The [Bangor Daily News](#), [Portland Press Herald](#), WABI (Channel 5), [Mainebiz](#), [Woodworking Network](#) and [WLBZ](#) (Channel 2) reported on the new Biomass to Bioproducts Pilot Plant at the University of Maine's Technology Research Center in Old Town. Biofine Technology, a Massachusetts company focused on making liquid fuel, chemicals and other advanced materials from wood, intends to build a commercial plant in the new industrial complex, according to the BDN. On Wednesday, the pilot plant capable of processing up to 1 ton of woody biomass per day into chemicals to make biofuels and biochemicals, underwent advanced testing. The plant was on track to operate for 100 hours, a step to help prove its ability to operate at a commercial scale, the Press Herald reported. Hemant Pendse, director of UMaine's Forest Bioproducts Research Institute, said the pilot project will give the company information necessary to move ahead with commercializing its operation. The company acquired the pilot plant in the wake of the Old Town mill's bankruptcy and paid \$200,000 to move it to UMaine's nearby research facility, media reported. U.S. Senators Susan Collins and Angus King also released a [statement](#) on the pilot plant. "This launch not only represents another positive development for the future of Maine's bioeconomy, but it also serves as a great example of how the private sector can partner with educational institutions, government entities, and the forest products industry to spearhead pioneering research that will accelerate commercialization of new technology," the joint release states. "We applaud the University of Maine's Technology Research Center and Biofine on this milestone and look forward to following the project's progress in the coming years."

UMaine sets meal-packing record

04 May 2017

On Maine Day, members of the University of Maine community set a new meal-packing record. During The Hungry 100K: Maine Day Meal Pack-out held at the Memorial Gym on campus, UMaine surpassed Harvard University to set a record for the most meals packed by a U.S. 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 the UMaine Honors College and Bodwell Center for Service and Volunteerism exceed their goal by packing 107,500 meals — about 5.5 tons of food — which will be sent to food banks and shelters around the state.

UMaine Hutchinson Center announces Summer Technology Institute for Educators

05 May 2017

The 19th annual Summer Technology Institute for Educators will be held at the University of Maine Hutchinson Center in Belfast Aug. 7–11. The experience, which runs 8:30 a.m.–3:45 p.m. daily, is for educators seeking to enhance their knowledge and skills in educational technology to support teaching and learning. It is designed to meet the needs of a variety of educators and educational technology skill levels. Early childhood educators, K–12 teachers, administrators, adult educators and technology directors are encouraged to participate in the program. The morning strands will allow for focused study of literature, research and best practices in educational technology. Afternoon workshops will allow participants to select sessions on pedagogically driven practices for technology integration. Workshop facilitators include Johanna Prince, director of graduate programs at the University of Maine at Farmington; Kern Kelley, educational technologist and associate director of the Maine Virtual Learning Consortium; Jeff Bailey, technology instructor in architectural design and engineering; Nadene Mathes, UMaine instructor of technology integration; and Dan Ryder, curriculum instructor focusing on literacy and technology in education. Throughout the week there will be opportunities for networking, sharing and building a community of practice. Students may join the learning as a professional development opportunity and earn 3.75 CEUs, 37.5 contact hours, or as a three-credit graduate-level course from UMaine's College of Education and Human Development. The professional development registration fee is \$699 before June 1; \$799 after. For graduate credit, the cost is \$1,254 plus a \$50 institute fee. A light breakfast, refreshments and catered lunch will be provided daily. A lobster bake will be held on the evening of Aug. 9 for an additional cost of \$35 per person. Registration is [online](#). For more information, contact Johanna Prince at 778.7066, johanna.prince@maine.edu.

Lindstrom named UMaine vice president of human resources

05 May 2017

Chris Lindstrom has been named vice president of human resources at the University of Maine effective, June 1. Lindstrom will provide leadership and primary human resources counsel to the UMaine administration, as well as the Office of Human Resources team. In addition, he will have oversight of human resources at the University of Maine at Machias. Lindstrom has more than 30 years of human resources leadership experience that has included distinguished service in his time with Honeywell as a compensation specialist and manager, as well as a vice president and corporate human resources director with Andersen Corp. Most recently, Lindstrom has served as a vice president for human resources for Insitu, Inc., a subsidiary of Boeing. His duties with Insitu included specialties in talent acquisition, employee engagement, and compensation services and initiatives.

UMaine PD training exercise scheduled for May 6

05 May 2017

The University of Maine and Orono police departments will conduct a training exercise from 9 a.m. to noon May 6 in Coburn Hall. The training may include simulated gunfire. For more information, contact Lt. Bob Norman, UMaine PD, 581.4040.

Morning Sentinel, Kennebec Journal advance 'Pippin' at CCA

05 May 2017

The [Morning Sentinel and Kennebec Journal](#) reported the musical "Pippin" will be staged at 7 p.m. Tuesday, May 9, at the Collins Center for the Arts at the University of Maine. The musical is the story of a young prince on a death-defying journey to find meaning in his existence. "Pippin" features choreography by Tony Award-nominee Chet Walker, as well as circus-inspired acrobatics by Gypsy Snider of the Montreal-based company Les 7 doigts de la main (7 Fingers), according to the article. "Pippin" is noted for the Broadway standards "Corner of the Sky," "Magic To Do," "Glory," "No Time at All," "Morning Glow" and "Love Song." Tickets are available on the CCA [website](#).

Island Ad-Vantages reports on Deer Isle graduate student's research fellowship

05 May 2017

[Island Ad-Vantages](#) reported University of Maine student Anne "Ani" St. Amand of Deer Isle has been awarded a graduate research fellowship because of her demonstrated potential for significant achievement in STEM fields. The three-year National Science Foundation Graduate Research Fellowships are awarded to promote innovation, transformative scientific breakthroughs and economic growth in the U.S. St. Amand is pursuing a quaternary and climate sciences master's degree and an interdisciplinary doctorate. She explores intersections between climate change and human behavior over the last 12,000 years, using geoarchaeological methods, spatial analysis and geophysical modeling to understand how past climates and environments have impacted human settlements, infrastructure and resource acquisition. St. Amand's career goals include communicating science to the public and conducting research that expands knowledge of dynamic Earth systems. She also seeks to increase communities' capacities to adapt to rapidly changing climates.

Grist quotes Gill in article on how to talk about climate change

05 May 2017

Jacquelyn Gill, a professor of paleoecology at the University of Maine, was quoted in the [Grist](#) article, “Your next bar conversation is about climate change. Here’s how to do it.” A convincing conversation doesn’t require citing the latest peer-reviewed research — it has to do with reaching people on a personal level by appealing to the things they already care about, the article states. “Combating misinformation with more facts doesn’t work,” according to Gill.

Blackmer discusses composting on ‘Maine Calling’

05 May 2017

Travis Blackmer, a research associate with the Senator George J. Mitchell Center for Sustainability Solutions and lecturer in the School of Economics at the University of Maine, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. The show focused on how institutions, businesses and households can maximize the use of organic waste and learn about new ways to compost ahead of Maine Composts Week, May 7–13.

WABI covers showcase of games created by computer science students

05 May 2017

[WABI](#) (Channel 5) reported University of Maine students in an advanced computer science course showcased original games they created. Students in George Markowsky’s COS 498: Advanced Video Game Programming with Unity demonstrated a variety of games, including virtual reality, real-time strategy, network, educational and racing. The students, who spent three months creating the games, told WABI it’s a relief to be done, but a huge accomplishment to have a working game people can play. Students said there are very few rules, and they essentially have free reign over their games. “Debugging applies everywhere in life. I’m an engineer, I apply all the time the concepts I learn in this class about debugging, solving problems, about using creative thoughts to direct the outcome of something,” said Zechariah Palmetier, who created a virtual reality game.

UMaine Fishing Club helps stock Stillwater River with trout, BDN reports

05 May 2017

The [Bangor Daily News](#) reported members of the University of Maine Fishing Club recently helped stock the Stillwater River with brook trout. “It’s awesome that [the Maine Department of Inland Fisheries and Wildlife] is willing to [stock fish] this close to campus,” said Chris Pullano, a club member who is a junior. A Maine game warden who has served as a liaison with the UMaine Fishing Club said the department has stocked fish in the Stillwater on campus for three or four years. In all, 500 fish were released into the Stillwater — 250 at the Steam Plant Lot and 250 farther upstream, according to the article. Mitchell Paiker, a student who helped found the UMaine Fishing Club with a group of friends three years ago, said he looks forward to projects like the fish-stocking event. “We do ice fishing outings in the winter, and we do yearly cleanup projects on the Kenduskeag each spring,” he said. “We all loved fishing, and we’d all go out together and hang out and just have a fun time on the river. We figured, ‘Why not get more people involved, and teach people who haven’t fished before?’” Pullano said the club has about 20–30 active members, and he expected several members and other students to take advantage of the fishing opportunity, the BDN reported.

WABI reports on new student-produced journal featuring conservation photography

05 May 2017

WABI (Channel 5) reported on the photography featured in the inaugural edition of “Spire,” an online journal of conservation and sustainability based at the University of Maine. The student-produced journal seeks to promote awareness-raising dialogue to unite Maine communities to effect positive environmental change. “How do we engage with these issues of conserving of the natural world around us? Or how do we navigate human interaction with the environment and the challenges that we face as a result of those?” asked Kaitlyn Abrams, editor-in-chief. The journal features animal and landscape photos by Lee Ann and Tom Szelog, WABI reported. “The wildlife has no voice, has no choice, but we — as humans — do have a choice. And Tom and I use our voice along with the photographs to inspire and educate people,” Lee Ann Szelog said. The Maine Woods National Park Photo-Documentation Project, which has photographs in the journal, is on exhibit at the Hudson Museum at the Collins Center for the Arts through June 30.

UMaine’s largest incoming class expected this fall, AP reports

05 May 2017

The Associated Press and [Maine Public](#) reported the University of Maine expects to welcome the largest incoming class in its history this fall. UMaine officials said the number of new students confirmed for admission by the May 1 deadline is 2,512, which is up from 2,457 last year. UMaine’s largest-ever incoming class of 2,230 students entered in fall 2016, the AP reported. The numbers of out-of-state and international students are both up this year, according to university officials. “We’ve sent a message out to students in Massachusetts, Connecticut, and down all the way through to New Jersey and Pennsylvania, that they can get a high-quality education at an affordable price here at the University of Maine,” Jeffrey Hecker, UMaine’s executive vice president for academic affairs and provost, told Maine Public. [U.S. News & World Report](#), [WABI](#) (Channel 5) and [Sun Journal](#) carried the AP report.

UMaine’s 215th Commencement will be May 13

05 May 2017

More than 1,900 students, including 34 doctoral degree candidates, are expected to participate in the University of Maine’s [215th Commencement](#) on May 13 in Harold Alfond Sports Arena on campus. UMaine Commencement will be held in two ceremonies, beginning at 9:30 a.m. and 2:30 p.m. Both ceremonies are ticketed events and [live streaming](#) will be available. [Tips for attending](#) Commencement, provided by the UMaine Police Department, are online. In the morning ceremony will be students in the College of Liberal Arts and Sciences, the College of Education and Human Development, the 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. At both ceremonies, Maine entrepreneurs [Heather and Abe Furth](#) will give the Commencement address. [Honorary doctorates](#) will be awarded to two alumni: Maine Native American elder Donna Loring and Kenneth Hodgkins, director of the Office of Space and Advanced Technology in the Bureau of Oceans, International Environmental and Scientific Affairs, U.S. State Department. The 2017 [valedictorian](#) is Allyson Eslin of Bangor, an

honors student who majored in economics, political science and psychology. [Salutatorian](#) Joshua Patnaude of Sanford majored in computer engineering and electrical engineering. UMaine's top annual faculty award winners for 2017 also will be honored during Commencement. This year's [Distinguished Maine Professor](#) is John Mahon, internationally recognized professor of management and one of the world's foremost experts on corporate social responsibility. Research Professor Marcella Sorg, a forensics researcher on the front lines of the drug abuse crisis in Maine and nationwide, is the 2017 Presidential Public Service Achievement Award recipient. Professor of English Harvey Kail, founder of UMaine's nationally recognized Writing Center, is the 2017 Presidential Outstanding Teaching Award winner. And Professor of Anthropology and Quaternary and Climate Studies Daniel Sandweiss, an international expert on El Niño, is the 2017 Presidential Research and Creative Achievement Award recipient. The three [Presidential Awards](#) will be presented at the President's Faculty Recognition Luncheon May 13. May 12, the Army ROTC Commissioning will be held at 11 a.m. in Minsky Recital Hall. The Graduate Student and Faculty Recognition Ceremony is at 4 p.m. in Alford Area, and the Pinning Ceremony for the School of Nursing begins at 7 p.m. in the Collins Center for the Arts. Contact: Margaret Nagle, 207.581.3745

Tips for attending UMaine Commencement ceremonies

05 May 2017

The University of Maine's 2017 Commencement is May 13, with ceremonies at 9:30 a.m. and 2:30 p.m. at Alford Sports Arena. Motorists in the Orono area will encounter heavier traffic than usual throughout much of the day. Anyone attending Commencement should plan to arrive early. Doors open at 8 a.m. for the morning ceremony; 1 p.m. for the afternoon ceremony. People attending Commencement 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 Alford 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 Alford Arena during Commencement. People are strongly encouraged to leave large bags and any unnecessary items in their vehicles. Strollers may not be set up in the aisles of Alford Arena. Spectators are not allowed on the Commencement floor for any purpose, including photos. Only professional photographers hired by the university with proper credentials are permitted to photograph the ceremony from floor level. Vehicles with handicapped plates or placards can be parked in the Satellite Lot behind Alford Stadium. There will be a designated handicapped drop-off area on the side of Alford Arena, where University Volunteer Ambulance Corps personnel will be available to assist attendees. Entrance to the drop-off area will be the same as the Reserved SkyBox Parking Area. The entry point will be plainly marked from College Avenue at Tunk Road, behind Alford Stadium.

Grammar and business writing workshop at Hutchinson Center

08 May 2017

Grammar and business writing will be the focus of a June 9 workshop at the University of Maine Hutchinson Center in Belfast. The workshop includes a session from 8:30 a.m. to noon, "Making Your Business Writing More Effective — Including Email." Practical, easy-to-learn tools for effective writing and common business formats will be presented to understand their structure and characteristics. Specific content will include the writing process and its purpose, readership, organization, drafting, revision and editing. The workshop's session from 1 to 3:30 p.m., "Good Grammar, A Refresher Course," will offer a review of the key points of grammar, including punctuation and style. Participants will do a self-assessment of their skills and develop helpful strategies for continuous improvement. Since 1986, presenter Jim Milliken has provided management and communication consultation to businesses and nonprofits throughout the United States. He holds the PMP (Project Management Professional) certification and specializes in problem solving and delegation, business writing and advertising, and negotiation and presentation skills. The professional development registration fee is \$95; \$50 for UMaine students. Lunch and refreshments will be provided. Registration is [online](#). For more information or to request an accommodation, contact Kim Raymond at 338.8034, kim.raymond@maine.edu.

New pier in place at Darling Marine Center

08 May 2017

More than 50 people recently gathered for a ribbon-cutting ceremony at the University of Maine Darling Marine Center's new Lowes Cove pier and floating docks. Faculty, staff and students will utilize the new pier on the shore of the Damariscotta River for UMaine research, teaching and outreach initiatives. Citizen scientists monitoring the estuarine environment and K-12 students on field trips also will use the structure. The Lowes Cove pier will provide scientists with access to the center's vessels and aquaculture lease sites. It is the first portion of a major revitalization of the DMC waterfront that will enable expanded research and workforce development programs. Next steps include replacement of the DMC's main pier and upgrades to the flowing seawater system and shoreside laboratory. There is no other waterfront facility with the capabilities of the DMC within 35 nautical miles, says Heather Leslie, DMC director. A team led by Jamie Brinkler of Round Pond Marine Services constructed the pier this past winter in collaboration with DMC personnel, including Tim Miller, Robbie Downs, Clint Gilbert and Allan Spinney, as well as Jeff Aceto and Art Bottie of UMaine Facilities Management.

UMaine recognizes TRIO Student Support Services graduates, WABI reports

08 May 2017

[WABI](#) (Channel 5) reported the University of Maine recognized students who are part of TRIO Student Support Services, a federally funded program that works with students who are first-generation, income-eligible, or have a disability. Seventeen students who will be earning their bachelor's degrees in either May, August or December were recognized, WABI reported. TRIO SSS provides personalized support, advising and mentoring throughout a student's college career. "It's just not my work that got me here. It's the combination of so many people lifting me up to get me here. So, thank you all so very much for what you've done for me. I can't put it into words," said TRIO SSS graduate Alexis Dunham.

BDN quotes LaCroix in article about proposed concealed handgun bill

08 May 2017

Roland LaCroix, University of Maine's chief of police, was quoted in a [Bangor Daily News](#) report about a proposed bill that would require Maine's

universities, community colleges and Maine Maritime Academy to allow people to carry concealed handguns on campus. The Legislature's Committee on Education and Cultural Affairs held a recent public hearing on the bill, where it met widespread resistance from higher education and public safety officials, according to the article. "Based on my 40 years in law enforcement, I know that when there are more guns allowed, there is more risk and less safety," LaCroix said. In the event of a report of shots fired or another type of an attack on campus, LaCroix said campus and other area police departments would be ready to respond quickly, but that having multiple people on campus armed with guns could cause more confusion and put the safety of people who are trying to intervene at risk.

AP quotes Brewer in report on LePage's political plans

08 May 2017

The Associated Press spoke with Mark Brewer, a political science professor at the University of Maine, for a report about how Gov. Paul LePage's recent trips to Washington, D.C. has have caused speculation about his next political steps. "It seems to me that he's testing the waters for something," Brewer said, adding the governor "has certainly been spending quite a bit of time (in D.C.)." Brewer noted the visits with high-profile conservative leaders have caused speculation about LePage angling for a position within President Donald Trump's administration or raising his profile for a U.S. Senate run or "some kind of media career" when his term ends in 2018. [U.S. News & World Report](#) carried the AP story.

Garland speaks with BDN about benefits of gardening

08 May 2017

The [Bangor Daily News](#) spoke with Kate Garland, a horticulturist with the University of Maine Cooperative Extension, ahead of World Naked Gardening Day. According to the organizers' website, people around the world are encouraged to tend their gardens unclothed, as nature intended, on May 6. The desire to feel the earth and wind is a common sentiment among avid gardeners, even the ones who keep their clothes on, according to Garland. "In my work, I have the pleasure of seeing the impact and power that gardening has on people's lives," Garland said. "I talk to people in all stages of life who are going through good things and not so good things and gardening has played a big role in ways they get through or celebrate things." In addition to the relaxing component of working the soil, Garland said gardening also is a great community activity. "It brings people together who then work together for a common cause," she said. "I have seen so many wonderful relationships develop through gardening."

Cammen talks about marine mammals on 'Maine Calling'

08 May 2017

Kristina Cammen, an assistant professor in the University of Maine School of Marine Sciences, was a recent guest on [Maine Public](#)'s "Maine Calling" radio show. The episode focused on the latest status, research and efforts toward protecting Maine's marine mammals, including gray seals, porpoises and whales.

Slate publishes article by Socolow on America's fascination with Hindenburg

08 May 2017

[Slate](#) published an article by Michael Socolow, an associate professor in the Department of Communication and Journalism at the University of Maine, titled "America's love affair with the Hindenburg." Before the German airship met its fiery demise, it was an object of fascination for U.S. radio listeners, according to the article.

Grad student, environmental journal founder featured in Press Herald

08 May 2017

The [Portland Press Herald](#) published a feature article on University of Maine graduate student Kaitlyn Abrams as part of its "Meet" series. Abrams, who is pursuing a master's degree in English, is the founder and editor-in-chief of "Spire," a new online journal of conservation and sustainability based at UMaine. The student-produced journal seeks to promote awareness-raising dialogue to unite Maine communities to effect positive environmental change. One core concept of creating the journal was inclusivity, encompassing people from all departments at the university and beyond, according to the article. "We definitely stressed that it should be interdisciplinary," Abrams said. "Because one of the challenges we discussed was, 'How do we get people involved? How do we get them thinking they have a stake in sustainability?'" The [first issue](#) features submissions from many departments, including biology and ecology, graphic design, photography, nursing, and forest resources, the article states.

Media cover disaster simulation held by School of Nursing, UVAC

08 May 2017

The [Bangor Daily News](#) and WABI (Channel 5) reported on a disaster simulation held at the University of Maine for students in the School of Nursing and University Volunteer Ambulance Corps (UVAC). The event featured a simulated active shooter and about 20 actors with a range of injuries to provide hands-on training for 40 UMaine senior nursing students in a community and population health class developed by assistant professor Kelley Strout. "This is an unfortunate possibility in nursing that isn't often covered in the classroom," Strout told the BDN. "We want to ensure our future nurses are prepared for anything as they go on to their careers." The students were evaluated on their disaster response, including triage of victims. "You come away with learning how to prioritize care and learning how to do the most good for the most amount of people with the resources that you have available," nursing student Jason Seymour told WABI. EMTs from Orono and Old Town assisted, overseeing the students' work, offering advice, and driving ambulances from the disaster scene to the mock hospital, the BDN reported. "Something terrible like this could always happen, and as nurses, we'll always have the responsibility to lend a hand whenever we can," nursing student Natalie Bolduc told the BDN.

Dante Baskett: Creating music in the community

08 May 2017

On Dante Baskett's first day of classes in the University of Maine School of Performing Arts, he attended a recital lab overseen by Beth Wiemann. During the lab, Wiemann mentioned a local woman, Pat Steward, who writes country songs and was looking for help putting her lyrics to music. Baskett, who has mostly made music independently, decided to reach out to Steward to gain experience and knowledge. "To be able to create with somebody who can offer different attributes that I can't to music is invaluable to me," says Baskett, a first-year music major and student in the Honors College. Two weeks after Baskett's initial call to Steward, the pair began holding regular Saturday meetings at her house in Bradley. While there, Baskett helps Steward put her words to a melody and creates the instrumental for her songs. The pair sometimes co-write songs, and have even recorded in a studio. "Creating art is sometimes not always hard, but displaying it is never easy," says Baskett of Brunswick. "To be able to express who I am in this project is extremely scary but also liberating." **Describe how you and Pat Steward work together and the type of music you create:** Most of the time Pat has a song that she has written which she would like to put to a melody. When we first started working together, Pat couldn't plunk out a melody, so she would have to wait for me to put the words to music. Now she has a piano and can play her own melodies. There have been some times where we have collaborated writing songs together; some that I have initially started and she has helped me finish. At first, Pat wanted to make country music and I mostly worked in pop, so it was a little strange to try and create songs that seemed "country." However, as we've continued to work together, we have started to deviate from country and create our own music. Our subject matter has mostly focused on themes of old-fashioned love and family, but we are starting to move to other subjects like politics and grief. We mainly use a lot of guitar and piano. Many of the other instruments I choose come from the music software I use, but one day I hope to use more live instruments because they have a better quality of sound. **What have you accomplished and learned from the project so far?** I have learned a better understanding of the creative process outside of myself. Working with Pat, I have discovered that obviously we have different creative processes, and we don't always agree on what we want to make. I've learned to compromise, especially in how we portray the messages of songs and how they work. I think I've accomplished content with vulnerability. Some songs I have written really dig to the core of who I am. They contemplate personal issues that I can't wrap around in my head, so I unwrap them onto paper. **Do you have any other goals, such as more recording sessions or performances, for this music?** I plan to continue this project as long as I can. We haven't made a full compilation of songs yet, but my goal is to perform one of the songs at a show or to get them all professionally recorded. **Is this your first time composing and producing music?** No, I've been composing and producing music since I was 10. The first song I wrote was either a birthday song to my mom or an apology song to my sister when we got into a fight. I started producing music on my middle school laptop. I would put together different samples of songs that were available in the program and I'd build from there. As the years progressed, I made full covers of my favorite songs and then I switched to making my own stuff. In high school, I worked with another student to help produce her songs. **Why UMaine?** I choose UMaine due to the low tuition cost and the wide variety of majors it offers. I knew I probably wasn't going to change my major, but if I did, there would be plenty of options. **What difference has UMaine made in your life and in helping you reach your goals?** UMaine really caused me to confront myself on what I want in life. I was very unsure about myself at the beginning of the year. Being here has forced me to overcome my shyness, denial and uncertainty, and put myself first. **Any advice for incoming college students who are considering a major in music?** Focus on your craft and determine what you want. You will be dissuaded many times due to the unstable nature of the job and most of the dissuading will come from yourself, but you have to trudge through. If you have an inkling of hope, or just know you want to pursue music as a career, you should do it. Contact: Elyse Catalina, 207.581.3747

Ph.D. candidate in history awarded Fulbright to Canada

08 May 2017

Ian Jesse, a Ph.D. candidate in history at the University of Maine, has received a Fulbright U.S. Student Program award to Canada in history from the U.S. Department of State and the J. William Fulbright Foreign Scholarship Board. Jesse, who is from Plymouth, Massachusetts, will conduct research at the University of New Brunswick on how wildlife conservation laws of the late-19th and early-20th centuries affected the household economies of the rural inhabitants of Maine and New Brunswick. He is one of more than 1,900 U.S. citizens who will conduct research, teach English, and provide expertise abroad for the 2017–2018 academic year through the Fulbright U.S. Student Program. Recipients of Fulbright awards are selected on the basis of academic and professional achievement as well as record of service and leadership potential in their respective fields. While in Canada, Jesse will conduct archival research at the Provincial Archives of New Brunswick, New Brunswick Museum, and local historical societies. Jesse is interested in the economic relationships between humans and wild animals and how laws altered those relationships. He plans to look at records of fur trappers and dealers, market hunters, and woods guides, as well as government documents and petitions that shaped conservation laws. "This generous award will support a full academic year of research which will allow me to make some real progress on my dissertation," says Jesse, who earned a master's degree in history from UMaine in 2013. Beyond his research, Jesse says the Fulbright award will allow him to experience living in another country for a year. "Although Fredericton, New Brunswick is only a few hours away from Orono, there are some very real cultural differences on the other side of the border," he says. The Fulbright Program is the flagship international educational exchange program sponsored by the U.S. government. It is designed to build relations between the people of the United States and the people of other countries that are needed to solve global challenges. Fulbright participants address critical global challenges — from sustainable energy and climate change to public health and food security — in all areas, while building relationships, knowledge, and leadership in support of the long-term interests of the United States and the world. More information about the Fulbright Program is [online](#). Contact: Elyse Catalina, 207.581.3747

Lyon explores effects of greenhouse gases on tropical sea surface temperature, climate

08 May 2017

Bradfield Lyon, a research professor at the University of Maine, wants to understand how sea surface temperature patterns in the tropics may change due to warming caused by increasing greenhouse gases. Lyon says it's not just an increase in ocean temperatures that matters, it's how the warming may differ from one place to another, especially in the tropics. Spatial variations in tropical sea surface temperatures can lead to shifts in tropical rainfall which, in turn, can alter global wind patterns and regional climates in the United States and around the planet. The climate is a global system, and changes in one part of the system affect local climate changes in other areas, says the researcher based at the Climate Change Institute. Thus, accurate information on changes in ocean temperatures is needed in order for models to generate reliable projections of regional climates around the planet. A major challenge, says Lyon, is that current climate models don't necessarily capture important aspects of the observed distribution of tropical ocean temperatures, tending to make the ocean too warm in some regions and too cold in others. These biases need to be taken into account when evaluating regional climate projections. With a nearly \$740,000 three-year grant from the National Science Foundation, Lyon will lead a team of scientists on a project — "Coupled Model Biases in the Sea Surface Temperature (SST) Distribution of the Global Tropics and their Influence on Climate Change Projections" — that will take the biases into account. The team — a collaboration of researchers at the CCI and The Earth Institute at Columbia University — will evaluate the ability of the latest generation of climate models to simulate key aspects of the observed ocean temperature distribution around the globe. The team will build a new climate model that minimizes the identified ocean biases then use the new model to produce future climate scenarios under increasing greenhouse gas concentrations. The project should lead to

increased scientific understanding of Earth's climate and provide groups focused on climate change-related impacts on agriculture and food security with better guidance. The research team is already connected with the Consultative Group on International Agricultural Research, which strives for a food-secure future by working to reduce poverty and improve natural resources. Through a partnership with UMaine's RiSE Center, the project also will help foster professional development of Maine high school science teachers. Lyon and collaborators will lead three summer workshops to support Earth science teachers' use of project-related climate data in their classrooms. Contact: Beth Staples, 207.581.3777

IMRC Center to host regional art, technology conference discussions

09 May 2017

The University of Maine's Innovative Media Research and Commercialization (IMRC) Center will host panel discussions as part of the Northeast Connection Art and Technology Conference, May 23 and 24. The panel discussions will address "Current Ideas in Art and Technology" and "Rethinking Instruments in the Digital Age." Both presentations are free and open to the public, and will take place at 1 p.m. at the IMRC Center on campus. The Northeast Connection is a consortium of university programs focused on the intersection of art and technology. Current members include the Department of the Arts at Rensselaer Polytechnic Institute (RPI), Centre for Interdisciplinary Research in Music Media and Technology at McGill University, New York University's music technology program, and the UMaine Intermedia MFA program. Panelists will include Rob Hamilton, an assistant professor of music and media at RPI; Marcelo Wanderley, director of the Input Devices and Music Interaction Laboratory at McGill University; Joel Chadabe, composer, author, and internationally recognized pioneer in the development of interactive music systems, and founder of the Electronic Music Foundation and Ear to the Earth; Jon Ippolito, a professor of new media at UMaine; Gustavo Aguilar, an associate professor of experimental performance at the University of Maine at Farmington; and Leslie Ross, a Maine bassoon builder and musician. The discussions will be moderated by Nate Aldrich, a UMaine professor of intermedia. The conference is supported by the UMaine Intermedia and New Media departments, McGill University, RPI and the IMRC Center.

UMaine mentioned in Republican Journal article on Fort Knox opening for season

09 May 2017

[The Republican Journal](#) reported Fort Knox State Historic Site and Penobscot Narrows Observatory in Prospect are now open for the 2017 season. Both attractions will be open daily until Oct. 31. Activities this season include a new event June 24, which will feature laser projection and performing artists produced by the Coaction Lab in association with the University of Maine's Intermedia MFA and New Media departments, and the Friends of Fort Knox, according to the article.

BDN publishes op-ed by LaBouff, grad student

09 May 2017

The [Bangor Daily News](#) published the opinion piece, "In absence of diversity, stereotypes take hold in Maine," by Jordan LaBouff, an assistant professor of psychology and honors at the University of Maine, and Andrew Tomer, a graduate student in psychology at UMaine.

Dill to speak about ticks in Blue Hill, Penobscot Bay Press reports

09 May 2017

[Penobscot Bay Press](#) reported Griffin Dill, an integrated pest management specialist with the University of Maine Cooperative Extension, will be part of a panel discussion about ticks in Blue Hill. The May 18 talk is hosted by the Blue Hill Heritage Trust as part of its Spring Speaker Series. All talks are free and open to the public and will include question-and-answer sessions, along with a reception, according to the article. Dill will be joined at Blue Hill Consolidated School at 7 p.m. by Chuck Lubelczyk, a field biologist from Maine Medical Center, and Dr. Michael Murnik of Blue Hill Memorial Hospital.

Maine Startups Insider reports on UMaine Business Challenge winners

09 May 2017

[Maine Startups Insider](#) reported [Re]Produce, a company that wants to turn Maine farmers' surplus into high-end locally sourced frozen food, won the sixth annual UMaine Business Challenge. Anita van Dam and Grace Burchard, both students at College of the Atlantic in Bar Harbor, took home the first-place \$5,000 cash award, which van Dam said the pair will use to help launch the company in Portland this fall. Five teams of college entrepreneurs competed in the finals of the UMaine Business Challenge, which is open to student entrepreneurs from any Maine college or university, according to the article. Second place, along with a \$1,000 cash award, went to a group of three UMaine students — Bradley Shepherd, William McEnery and Devin Shepherd — for their video game company, Boreal Games. Benjamin Koehler, a senior at UMaine studying mechanical engineering, won the Technology Award, which also comes with \$5,000, for a product he developed called the Comfort Appliance, which is able to draw heat off of a wood stove, and store it in a portable, insulated box that can then be carried to another room to provide warmth to an otherwise unheated space, the article states. [Mainebiz](#) and the [Bangor Daily News](#) also published reports on [Re]Produce.

Science360 features UMaine aquaculture research video

09 May 2017

A University of Maine video on the state's aquaculture industry and related research was featured on [Science360](#). For more than four decades, UMaine has conducted research and provided educational outreach related to the farming of aquatic organisms, such as finfish, shellfish or sea vegetables. In 2014, that support took a giant step forward with the creation of Maine's Sustainable Ecological Aquaculture Network (SEANET). Sponsored by the National Science Foundation, Science360 is an up-to-date view of breaking science from around the world. The Science360 Video Library gathers the latest science videos provided by scientists, colleges and universities, science and engineering centers, the NSF and more.

Elizabeth Trenckmann: Seeking to inspire high schoolers

10 May 2017

Elizabeth “Betsy” Trenckmann wants to inspire science students similar to how Rita Kasper motivated her at La Veta Junior-Senior High School in Colorado. Trenckmann soon will have that chance. In August, the highly decorated 2017 University of Maine Master of Science in Teaching (MST) graduate will begin her career at Hermon High School instructing students in conceptual biology, Earth systems and Maine ecology. Trenckmann describes Kasper as knowledgeable, caring, organized and disciplined — many of the same adjectives that Michelle Smith, UMaine associate professor of biological sciences and Trenckmann’s adviser, uses to describe her. Smith adds that Trenckmann also listens, eagerly accepts feedback, embraces learning and continually strives to get better. Those qualities have served her well. In April, Trenckmann earned the Presidential Research Impact Award at the Student Symposium for her presentation titled “Collaborating Across the University of Maine System to Improve Student Understanding of the Role of Energy and Matter in Photosynthesis.” The award, and \$1,000, was presented to Trenckmann and to Smith in recognition of their research that could positively impact people in Maine, and that exemplifies the university’s three-part mission of teaching, research and public service. Trenckmann also won the best presentation award in the education category for the same University of Maine System Research Reinvestment Fund project. “It’s nice to honor future teachers,” says Smith, adding that it’s satisfying to see the university support education and include it in the research symposium. For the project, Trenckmann, along with life science faculty from six of the system campuses and Hurricane Island Center for Science and Leadership, developed assessment questions and a student-centered, in-class activity for introductory college biology classes systemwide. The active-learning exercise was designed to help students learn about matter and energy — primarily photosynthesis — and to explore how and why increased carbon dioxide could impact Maine-based industries involving timber, kelp and potatoes. Trenckmann’s co-authors included Erin Vinson, Karen Pelletreau, Kimberly Borges-Therien, Farahad Dastoor, Jason Johnston, Eric Jones, Peter Nelson, Jenn Page, Nancy Prentiss, Judith Roe, Joseph Staples and Smith. A paper containing data and details about the project will be written and published in the public domain. Trenckmann also has been chosen as the Outstanding MST Student Award in the RiSE (Research in STEM Education) Center and has earned a Noyce Fellowship from the National Science Foundation that provides for professional development. While Trenckmann’s rural hometown of La Veta is surrounded by national forests and is about 1,000 miles to the ocean, she became interested in the sea when her family regularly vacationed in Galveston, Texas. Her interest was piqued, she says, on a family trip to Hawaii. Trenckmann, who wanted to study marine biology and play collegiate volleyball, attended Maine Maritime Academy in Castine. After a stellar undergraduate career there — she was named a Scheel Scholar for best exemplifying intellectual curiosity and achievement, and set a single-season volleyball record for assists with 774 — Trenckmann chose UMaine for her graduate studies. “I’ve grown a lot,” says Trenckmann, especially in terms of pedagogy, research and developing professional contacts. She says her research and readings touted the benefits of active learning and she’s witnessed firsthand the benefits of clicker-based class exercises and peer discussion. Since January, Trenckmann has been student teaching at Orono High School. This summer, she’ll be a marine biology educator at the Smithsonian Marine Station at Fort Pierce, Florida. Scientists and students from around the world investigate plants, animals and physical processes in the ocean and Indian River Lagoon. Their findings inform public policy, conservation efforts and resource management. And in August, Trenckmann will welcome student scientists to her classes in Hermon. “I’m really excited about having my own classroom,” says Trenckmann. “I want to become involved in the community and I’d love to coach or lead a club or activity.” Contact: Beth Staples, 207.581.3777

UMaine School of Social Work workshop to focus on ethics of self-care

10 May 2017

Ethical dimensions of self-care in social work and human services will be the focus of a University of Maine School of Social Work workshop June 9 at the Hutchinson Center in Belfast. The experiential workshop, which will run from 9 a.m. to 3:30 p.m., is designed to develop skills and understanding of the ethical responsibility to recognize and address vicarious trauma through compassionate self-care. Workshop topics will include defining compassion fatigue, compassion satisfaction, vicarious trauma, secondary trauma and burn-out; identifying signs and symptoms of vicarious trauma; articulating the connection between adverse childhood experiences and well-being; learning how self-care is related to ethical practice; identifying skills for compassionate self-care; and creating a personal self-care plan. Workshop presenters will be licensed clinical social workers and School of Social Work faculty members Deirdre Finney Boylan and Leah Maxwell. Students can earn 0.6 CEUs, six contact hours. The professional development registration fee is \$65; \$30 for UMaine students. Lunch and refreshments will be provided. Registration is [online](#). For more information or to request a disability accommodation, contact Kim Raymond at 338.8034, kim.raymond@maine.edu.

Registration open for 2017 Research Integrity and Regulatory Compliance Symposium

10 May 2017

University of Maine System employees are invited to attend the 2017 Research Integrity and Regulatory Compliance Symposium, May 25–26 in Portland. The University of Southern Maine and the Maine Regulatory Training and Ethics Center (MeRTEC) are hosting the two-day event that aims to develop or improve compliance and understanding of the regulations affecting today’s businesses and academic institutions. Whole- and half-day workshops will be offered Thursday. A keynote address by Heather Pierce from the Association of American Medical Colleges, research poster presentations, and concurrent sessions will be featured on Friday. A complete program is online. More information, including registration, is on the symposium’s [website](#).

WABI profiles Master of Science in Teaching graduate

10 May 2017

[WABI](#) (Channel 5) interviewed University of Maine graduate student Elizabeth “Betsy” Trenckmann about her research and career goals. Trenckmann is about to graduate with a Master of Science in Teaching and has accepted a job at Hermon High School. For her thesis, Trenckmann designed a biology lesson focused on active learning, under the guidance of Michelle Smith, a UMaine associate professor of biological sciences. “I really envy the future students in her class, and I’m super excited that she’s going to stay near the University of Maine and is going to help future students in Maine,” Smith said. “I hope to pass on the knowledge and love of the field of science that I have onto those students,” Trenckmann said. During her graduate school career, Trenckmann has won several awards, including the Presidential Research Impact Award at UMaine’s Student Symposium. Her program also will honor her as its outstanding student at graduation, WABI reported. “It feels really good,” Trenckmann said. “It’s nice to see all the hard work and the stressful nights be rewarded.”

Servello named dean of College of Natural Sciences, Forestry, and Agriculture, and director of the Maine Agricultural and Forest Experiment Station

11 May 2017



[caption id="attachment_55178" align="alignright" width="223"] Frederick Servello[/caption] Frederick Servello has been named dean of the University of Maine College of Natural Sciences, Forestry, and Agriculture, and director of the Maine Agricultural and Forest Experiment Station, effective July 1. Servello has been serving as interim dean and director since Oct. 1. A national search was conducted to fill the position of Edward Ashworth, who retired Sept. 30 after a 10-year career as the college's dean and Experiment Station director. At the time of his appointment as interim dean, UMaine Executive Vice President for Academic Affairs and Provost Jeffrey Hecker cited the continuity Servello brought to the position, as well as his extensive record of administration, teaching, research and community engagement. Now as dean and director, the university and the state will benefit from Servello's leadership and vision at a time when the college's teaching, research and public service efforts are critically important, Hecker says. "Dr. Servello is deeply committed to the important work of the College of Natural Sciences, Forestry, and Agriculture, and the Experiment Station in meeting the needs of Maine," says Hecker. "In the true land grant and sea grant tradition, this college is dedicated to workforce development, and to conducting nationally and internationally recognized research that makes a difference in the state. We look forward to the innovation and advancement he will bring to research and outreach initiatives focused on traditional and emerging industries, and health care in Maine." Servello has been a member of the UMaine community for 28 years. He served eight years as associate dean for research in the college and nine years as associate director of the Experiment Station. Prior to these appointments, for five years he was chair of the then Department of Wildlife Ecology. In 2006, Servello received the college's Outstanding Teaching Award. He has a Ph.D. in fisheries and wildlife sciences from Virginia Polytechnic Institute and State University, and has conducted research on the ecology and management of waterbirds in Maine, the impact of moose browsing on forest regeneration, and the foraging ecology of white-tailed deer and black bears. "I am honored to be offered the opportunity to serve as dean of the College of Natural Sciences, Forestry, and Agriculture," Servello says. "I look forward to working with my colleagues to cultivate a vibrant college community that delivers great value to Maine." Contact: Margaret Nagle, 207.581.3745

Kleinschmidt Windstorm, Maine Wind Blade challenges slated for May 19

11 May 2017

More than 250 students are expected to participate in two middle and high school STEM competitions Friday, May 19 at the University of Maine Advanced Structures and Composites Center: the Kleinschmidt Windstorm Challenge and the ninth annual Maine Wind Blade Challenge. The competitions, which showcase real-world, hands-on STEM innovation by middle and high school students — will be held from 8:30 a.m. to 2 p.m.. The [Kleinschmidt Windstorm Challenge](#), held in the center's Alford W2 Ocean Engineering Laboratory, engages students in floating offshore wind technology, innovation and business. Teams of high school students will design and construct a scale-model floating wind turbine platform, test the design and deliver a business plan and sales pitch to a panel of expert judges. The [Maine Wind Blade Challenge](#) is a program of The Maine Composites Alliance and the Maine Ocean & Wind Industry Initiative. The challenge connects teams of middle and high school students with composites companies to construct and infuse a functional set of wind blades. Each team's goal is to manufacture an assembly that will generate the most energy in up to three minutes.

Black Bear Marathon, Half Marathon and 10K set June 4, registration open

11 May 2017

The University of Maine Alumni Association will present the third annual Black Bear Marathon, Half Marathon and 10K on Sunday, June 4. Registration is open for all three races, which last year attracted about 600 runners from around the country, as well as Canada. The Black Bear Marathon was the only Maine race included in [Holiday Lettings from TripAdvisor's](#) "50 U.S. road races to attempt in your lifetime." The races will begin at 7:30 a.m. on the track at UMaine's Harold Alford Stadium. There is a six-hour limit for the marathon course. A 6:30 a.m. start is available to those who prefer an extra hour to complete the marathon. The 26.2-mile course is a double loop of the 13.1-mile course that begins on the UMaine campus and travels through Orono and Old Town and back to the university's paved bike paths. Both the marathon and half marathon courses are officially certified by USA Track & Field (USATF). Registration is [online](#). Fees are \$90 for the marathon, \$70 for the half and \$40 for the 10K. The first 500 runners to register will receive a race shirt. Medals will be given to all runners who cross the finish line, and monetary prizes will be awarded to the top three male and female finishers in the full and half marathon races. A race expo and packet pickup will be held 2–6 p.m. Saturday, June 3 in the New Balance Field House on campus. Registration is open until the close of the expo. Packets also will be available for pick up beginning at 6 a.m. on race day. The Black Bear Race series is run by the Student Wellness Resource Center with support from Campus Recreation and several sponsors. Proceeds will benefit the center's substance abuse prevention services and recovery program. More information is available on the race [website](#) or by contacting Lauri Sidelko at sidelko@maine.edu, 581.1423.

UMaine, AARP study cited in BDN report on Social Security changes

11 May 2017

A recent University of Maine study commissioned by AARP Maine was cited in the [Bangor Daily News](#) article, "Midlife Mainers should know about these

changes in Social Security.” The report shows that, statewide, retirement savings are on the decline while seniors’ dependency on public assistance is growing, according to the article. The study was conducted by Philip Trostel, an economics and public policy professor at the UMaine School of Economics and Margaret Chase Smith Policy Center.

UMaine Extension tips included in Sun Journal’s response to reader’s rhubarb question

11 May 2017

The University of Maine Cooperative Extension was cited in an answer to a Sun Journal reader’s question about where rhubarb can be obtained locally to grow. Rhubarb does well when it is split and replanted every so often, according to the article. Since it is a fairly common backyard plant, there could be a friend, relative or neighbor who has a plant in need of splitting, the article states. According to UMaine Extension, rhubarb crowns should be split at least every four to five years, or whenever the plant begins to produce many small stalks rather than fewer large stalks. Rhubarb splitting and subsequent planting can be done in either the spring, when foliage is not fully mature, or in the fall, after foliage has been removed, according to the UMaine Extension [publication](#), “Growing rhubarb in Maine.”

Republican Journal cites Waldo County drug statistics compiled by Sorg

11 May 2017

[The Republican Journal](#) included 2016 Maine drug overdose death figures in an article about how after some hesitation, Belfast’s police chief is preparing to equip officers with the opioid antidote Narcan. The state attorney general’s office reported there were 372 drug overdose deaths in 2016, 317 of which were caused by at least one opioid. The data, which was compiled by Marcella Sorg, an anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine, also found there were five drug overdose deaths in Waldo County last year, according to the article. To help combat the epidemic, the state attorney general’s office offers Narcan free of charge to law enforcement agencies, and currently the office distributes the drug to 45 agencies across the state, [The Republican Journal](#) reported.

Maine Edge interviews Commencement speakers ahead of ceremony

11 May 2017

[The Maine Edge](#) spoke with the 2017 University of Maine Commencement speakers Heather and Abe Furth ahead of the graduation ceremonies on May 13. The Orono couple met at UMaine in 1999 when Heather was studying biology and Abe was studying English. In the past decade, they have founded restaurants, a brewery and a property development company in Orono and Bangor. “We decided to stay in a smaller community and really try to create some positive change within it, as opposed to moving to Portland after graduation, or to Boston or New York or wherever. We decided ‘Hey, let’s change this place.’ Be the revival,” said Heather Furth, who added they hope their speech is inspiring to not only the graduates, but everyone listening. “I think with our speech we’re very honest about who we are,” Abe Furth said. “We’re kind of painting a picture of ourselves, but really, we want the students to know we’re talking about us, but also about them. We were where they are.” The Furths will address both ceremonies.

Allan discusses hazing on NPR’s ‘On Point’

11 May 2017

Elizabeth Allan, a professor of higher education at the University of Maine and director of the National Hazing Prevention Consortium, was a recent guest on the National Public Radio program “[On Point](#),” which is produced by WBUR in Boston. The episode looked at what’s really going on today with hazing at American college campuses. The show’s reading list also included “Hazing in View: College Students at Risk,” a national study on student hazing conducted by Allan and fellow UMaine professor Mary Madden.

UMaine eyes 10-year effort to grow state’s marine economy, AP reports

11 May 2017

The Associated Press reported an arm of the University of Maine is working on a 10-year push to grow marine jobs in the state. The Alliance for Maine’s Marine Economy is working on the effort, which it says will cost more than \$16 million and will target new investments that can be useful for marine businesses in Maine. The project is expected to be funded with a combination including university money, private funds and state bond funds, the AP reported. The project aims to grow the marine economy through a “network of marine research, industry and community development organizations” in partnership with private businesses, according to UMaine’s proposal. [U.S. News & World Report](#), [Portland Press Herald](#), WABI (Channel 5), [The Washington Times](#) and The Kansas City Star carried the AP report.

Inside Higher Ed reports on successful second year of Flagship Match

11 May 2017

[Inside Higher Ed](#) published an article on the University of Maine’s second year of its Flagship Match tuition scholarship program. The program guarantees academically qualified, first-year students from several states will pay the same tuition and fee rate as their home state’s flagship institution. This year, the program won a small number of additional commitments from Illinois and California, in addition to its continued gains in nearby states, according to the article. Data from the program’s second year suggest it might create lasting gains in enrollment from New England states, [Inside Higher Ed](#) reported. It’s a success driven by simplicity, according to Jeffrey Hecker, UMaine’s executive vice president for academic affairs and provost. “One of the things that’s appealing about the Flagship Match is the simplicity of it. We list our criteria. We say, ‘If you make it, you’re going to get this scholarship.’ I think that’s appealing to a lot of parents,” he said.

Hall of Fame engineer inducted into Francis Crowe Society

11 May 2017

Alumni George Sakellaris was inducted into the Francis Crowe Ceremony May 9, 2017 at the Buchanan Alumni House. Sakellaris is the president and chief executive officer, as well as the chairman of the board of directors of Ameresco, Inc., a leading energy efficiency and renewable energy company headquartered in Framingham, Massachusetts. He was awarded an honorary degree in 2012 from the University of Maine.

Annual leadership program for undergraduate women to be held June 1–6

12 May 2017

The Margaret Chase Smith Policy Center at the University of Maine will host an annual six-day undergraduate student leadership program for women that aims to educate, engage and empower young leaders. Maine NEW (National Education for Women) Leadership will run Thursday through Tuesday, June 1–6 at the Orono campus with trips to Augusta and Skowhegan. A group of 28 college students with a variety of majors from 14 institutions around the state, including UMaine, will take part in the ninth residential conference that aims to strengthen political skills and build civic engagement. Danielle Conway, dean and professor of law at the University of Maine School of Law, is scheduled to deliver the keynote address at the networking and reception dinner Friday, June 2 at Wells Conference Center. 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. Scheduled speakers include Meredith Strang Burgess and Jane Knapp Sexton, former legislators and UMaine alumnae; Maulian Dana Smith, a member of the Penobscot Nation Tribal Council and former Margaret Chase Smith Policy Scholar at UMaine; Jeanne Hulit, former acting administrator and regional administrator of the U.S. Small Business Administration; and Emily Haddad, dean of the UMaine College of Liberal Arts and Sciences. As part of the conference, students develop a political action project surrounding topics presented before the Maine Legislature. Every year, participants are given a bill to research before holding mock opposing press conferences and a legislative committee hearing. This year's project will focus on LD 49, An Act to Improve Science and Engineering Education for Maine Students. Maine graduate students and former Maine NEW Leadership participants Marie-Laurence Georges and Abby Roche will serve as interns during the conference. On Monday, June 5, participants will travel to the State House in Augusta, where they will observe the Senate and House in session, as well as meet State Treasurer Terry Hayes and legislative leaders. That evening, they will visit the Margaret Chase Smith Library in Skowhegan for a tour of Smith's home and an informal dinner with higher education leaders from their campuses. Maine NEW Leadership is offered by the Margaret Chase Smith Policy Center, which fundraises to support the program and provide it free of charge to participants. Maine NEW Leadership was 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 Mary Cathcart at 581.1539, mary.cathcart@maine.edu; or Susan D'Angelo at 581.1648, susan.dangelo@maine.edu.

Huffington Post publishes opinion piece by Blackstone

12 May 2017

Amy Blackstone, a sociology professor at the University of Maine, wrote an opinion piece for the [Huffington Post](#) titled, "There is no maternal instinct." Blackstone conducts research on the decision not to become parents. She and her husband maintain the blog, "We're {not} having a baby! childfree adventures in a child-centric world." Blackstone also was cited in the [HelloFlo](#) article, "Why physicians should stop thinking that a woman's choice to be childfree is up for debate."

Gabe contributes to CityLab analysis on diversity of creative class

12 May 2017

Todd Gabe, an economics professor at the University of Maine, was mentioned in the [CityLab](#) article, "Mapping the diversity of the creative class," by Richard Florida, co-founder and editor at large of CityLab and a senior editor at The Atlantic. Florida, who previously covered the black and white racial divide in the creative class, turned more broadly to the racial and ethnic diversity of the creative class — the nearly 50 million American workers, who make up roughly a third of the United States workforce, spanning science and tech; business and management workers; and arts, design, and cultural creativity, according to the article. To aid his analysis, Florida used numbers compiled by Gabe for all 350-plus U.S. metro areas based on data from the American Community Survey by the U.S. Census, the article states.

Message to 2017 UMaine graduates: 'Dare to do what you want with your time'

13 May 2017

For the second consecutive year, the University of Maine graduated one of the largest classes in its history — more than 1,900 students — during the 215th Commencement on May 13 in Harold Alfond Sports Arena on campus. The event, held in two ceremonies, included the conferral of 33 doctoral degrees and two honorary doctorates to alumni: Maine Native American elder Donna Loring and Kenneth Hodgkins, director of the Office of Space and Advanced Technology in the Bureau of Oceans, International Environmental and Scientific Affairs, U.S. State Department. Commencement speakers Abe and Heather Furth told the students to define their version of success and come to terms with the discomfort associated with pushing boundaries. Just as important, the couple told the students, do all of that now, and don't wait. "You can either back away from the fear of failure or meet it head on," said Heather Furth. "My sincere hope for all of you is that you will meet it head on — and overcome." The Furths met as students at UMaine in 1999. In the past decade, the Orono couple has founded restaurants, a brewery and a property development company. They are committed to creating thriving downtown communities through business creation and property redevelopment. In their Commencement address, the Furths recounted their first such adventure together — a cross-country motorcycle trip that cemented their relationship and their future as entrepreneurs. Their first step: Buy an old motorcycle and learn to ride it. They also talked about the fear and self-doubt they overcame when starting their first restaurant. They were both 23. The Furths told the students and the combined capacity audiences of upward of 10,000 spectators at both ceremonies: "You have the power to create your own path." "My hope for all of you is that you appreciate that life is finite, and that you dare to do what you want with your time, even if it scares you," said Abe Furth. "All of you can make a positive impact on your community," he said. "Take a stand and help create the world you want to live in." The morning ceremony included students from the College of Education and Human Development, the College of Liberal Arts and Sciences, the Division of Lifelong Learning, and the Maine Business School. The afternoon ceremony included those in the College of Engineering, and the College of Natural Sciences, Forestry, and Agriculture. The 2017 [valedictorian](#) is Allyson

Eslin of Bangor, Maine, an honors student who majored in economics, political science and psychology. [Salutatorian](#) Joshua Patnaude of Sanford, Maine majored in computer engineering and electrical engineering. UMaine's top annual faculty award winners for 2017 also were recognized during Commencement. This year's [Distinguished Maine Professor](#) is John Mahon, internationally recognized professor of management and one of the world's foremost experts on corporate social responsibility. Research Professor Marcella Sorg, a forensics researcher on the front lines of the drug abuse crisis in Maine and nationwide, is the 2017 Presidential Public Service Achievement Award recipient. Professor of English Harvey Kail, founder of UMaine's nationally recognized Writing Center, is the 2017 Presidential Outstanding Teaching Award winner. And Professor of Anthropology and Quaternary and Climate Studies Daniel Sandweiss, an international expert on El Niño, is the 2017 Presidential Research and Creative Achievement Award recipient. Contact: Margaret Nagle, 207.581.3745

International Programs announces study abroad scholarship recipients

15 May 2017

International Programs at the University of Maine has announced the latest study abroad scholarship recipients. The group gathered in April for a pre-departure orientation. Recently awarded scholarships include:

- Samantha Smith Scholarship — Awarded to Brawley Benson, an international affairs major and economics minor. Benson will attend the Moscow State Institute of International Relations in Moscow, Russia for the fall 2017 semester with the Council on International Educational Exchange (CIEE). Benson plans to gain insight into diplomatic relationships and further his proficiency in the Russian language.
- Annie P. Norton Scholarship — Awarded to Emma Houston, an ecology and environmental science major and economics minor who will be spending her fall 2017 semester in Cochrane, Chile with Round River Conservation Studies. She will spend the majority of her program conducting research and collecting data from the Patagonia region.
- Doris Berry Norton Travel Scholarship — Awarded to Rebecca Blodgett, a childhood development and family relations major, who will be studying at the Southwest University for Nationalities in Chengdu, China for the 2017–2018 academic year. Blodgett will focus on gaining a high level of proficiency in Mandarin and immersing herself in the culture. She also is a recipient of the UMaine/USAC Scholarship.
- Direct Exchange Scholarship — Awarded for the fall 2017 semester to Maegan Maheu, Kimberly Crowley, Michael Dunning, Braydon Norris, Meredith Olivari, Victoria Nolette, Tyler Lang, Adwin Dougingu and Eric Lindbom.
 - Maheu and Norris, both chemical engineering majors, will attend the University of Aberdeen in Aberdeen, Scotland. Maheu will research the petroleum industry, and Norris plans to further his cultural awareness by creating long-lasting bonds in the community.
 - Crowley, an English major and economics minor, and Lang, a zoology major, will attend the University College Cork in Cork, Ireland. Crowley plans to explore the works of Irish authors and poets more in-depth and from a different cultural perspective. Lang is looking forward to seeing more of the world.
 - Dunning, an accounting and finance major and innovation engineering minor, will attend Bangor University, in Bangor, Wales, to learn about European stock exchanges.
 - Olivari, a theatre major with a studio art minor, will attend the University of East Anglia in Norwich, England to explore new courses within her field in a historically and artistically rich setting.
 - Nolette, an accounting and management major, will attend Griffith University, Gold Coast campus in Queensland, Australia, to build a strong academic resume at the AACSB-accredited institution.
 - Dougingu, a marketing major, and Lindbom, a mechanical engineering major, will attend the Universidad Carlos III de Madrid in Madrid, Spain. Dougingu hopes to further understand cultural differences and diversity, and Lindbom plans to work toward clean and sustainable energy solutions.
- UMaine/USAC (University Studies Abroad Consortium) Scholarship — Awarded to Lee Brown, Grace Kelley, Jarrod Joy and Jesse Evans.
 - Brown, an international affairs major and professional writing minor, will attend La Universitat Politècnica de València, in Valencia, Spain for the fall 2017 semester. Brown plans to immerse herself in the Spanish culture and further her proficiency in the language.
 - Kelley, a nursing major, will attend the University of the Basque Country in San Sebastian, Spain for the fall 2017 semester. Kelley hopes to gain skills that will prepare her for future volunteer and missionary work.
 - Joy, an international affairs major, will be attending the University of Lyon II, in Lyon, France for the fall 2017 semester. Joy hopes to grow individually and academically through courses and experiences in a new culture.
 - Evans, a psychology major and neuroscience minor, will attend Charles University in Prague, Czech Republic for the summer 2017 semester. Evans, who plans to be a clinical psychologist, hopes to better understand how diverse backgrounds affect people's thoughts.
- UMaine/SIT (School for International Training) Scholarship — Awarded to Maxwell Dorman, an ecology and environmental sciences major with a molecular biology minor, who will be participating in the “Tibetan and Himalayan Peoples” SIT Nepal program for the fall 2017 semester. Dorman plans to work toward a goal of creating a non-governmental organization that will benefit less-developed countries suffering from climate change.
- George J. Mitchell Peace Scholarship — Awarded to Adam Fortier-Brown and Trevor Morin to attend the University College Cork in Cork, Ireland. Fortier-Brown, an Honors College student double-majoring in economics and political science, will study in the fall 2017 semester as a George Mitchell Peace Scholar. He plans to gain a different perspective on economics and European politics. Morin, a biochemistry major, will study in the spring 2018 semester. Morin plans to gain different cultural perspectives and learn how to work collaboratively within the field of science on a cross-cultural scale.

More information about the study abroad scholarships is [online](#).

Coaction Lab to present free projection, art show at Fort Knox

15 May 2017

The Coaction Lab at the University of Maine will present “FLOW Fort Knox” in Prospect on June 24. The free, multimedia event will be held from 3 to 11 p.m. at the historic Fort Knox and Penobscot Narrows Bridge and Observatory. FLOW Fort Knox is produced by the Coaction Lab in association with the intermedia MFA and new media undergraduate programs at UMaine and in collaboration with the Friends of Fort Knox. The FLOW event series is focused on water as a precious resource that connects and supports the diverse range of living systems on Earth. Last year's event featured a water-themed light and projection presentation at the Thomas Hill Standpipe in Bangor. FLOW Fort Knox will include sculpture, installation, dance, performance, music/sound, new

media, projection mapping and other hybrid art forms. Fort Knox, a Civil War era fort that never saw battle, serves as an inspiring subject with its rich history near the mouth of the Penobscot Bay. Event organizers plan to creatively explore the deep roots of the historic site, as well as the unique architectural features of Fort Knox and the Penobscot Narrows Bridge and Observatory, all with an ecological focus in mind. Artists, scientists, historians and local cultural groups have been invited to participate and collaborate to create a multi-sensory/multi-perspective experience. The event is open to all ages. A free shuttle bus will be offered to and from Orono and Bangor. On-site parking costs \$5 per vehicle. Shuttle details and an RSVP system will be announced on the [FLOW Fort Knox website](#). The event is sponsored in part by grants from the UMaine College of Liberal Arts and Sciences, the Cultural Affairs/Distinguished Lecture Series Fund, and the UMaine Humanities Center. More information is available [online](#) or by contacting Gene Felice II at gene.felice@maine.edu, 614.506.6811.

Miami Herald advances cybersecurity conference

15 May 2017

[Miami Herald](#) published a news release advancing the third annual conference of the U.S. Chapter of The International Emergency Management Society (TIEMS). The conference will be held at the University of Maine June 12–16. The 2017 meeting of global emergency and disaster management professionals will focus on cybersecurity, emergency management and computing, according to the release.

Sun Journal speaks with Jackson about 500-acre farm for sale in Lisbon

15 May 2017

The Sun Journal interviewed Tori Lee Jackson, an associate professor of agriculture and natural resources with the University of Maine Cooperative Extension, for an article about a nearly 500-acre, 227-year-old farm that is for sale. The Packard-Littlefield Farm, which covers parts of Lisbon, Sabattus and Lewiston, is on the market for \$2.7 million, according to the article. Jackson said the average farm in Maine last year was 177 acres, according to U.S. Department of Agriculture statistics. “Many large farms have been broken up over the years with parcels sold off for housing or other developments,” she said. “So having nearly 500 contiguous acres in southern Maine is definitely something special.” Jackson said she thinks the property might attract a smaller, profitable farm looking to expand or a cooperative interested in pooling resources.

Hopkins quoted in BDN story on uncertain future of country’s largest sugarbush

15 May 2017

Kathy Hopkins, a maple syrup expert with the University of Maine Cooperative Extension, was quoted in the [Bangor Daily News](#) article, “Maine’s richest source of maple sugar faces uncertain future.” Big Six is the largest U.S. sugarbush, comprising 340,000 taps and a quarter of Maine’s syrup production, according to the article. Big Six is expected to apply for an award under the Land for Maine’s Future program that would complete a deal giving the landowner a \$5.7 million conservation easement, preserving the sugarbush and allowing access and recreational activities on more than 23,000 acres, the article states. If the award isn’t received by the end of 2018, the 20-year leases signed this year by producers can be terminated, and the sugarbush could be cut, the BDN reported. “What other industry would put up with being threatened to have 25 percent of its output eliminated? Nobody would. There would be outcry everywhere,” Hopkins said. “And that’s what this situation is. Maine needs that production.”

Sun Journal publishes feature on honorary degree recipient

15 May 2017

The Sun Journal published an article about Auburn native and University of Maine alumnus Kenneth Hodgkins. Hodgkins, a leader in developing and maintaining peaceful international use of outer space, was one of two honorary degree recipients during UMaine’s 215th Commencement. Hodgkins grew up farming sheep on Dillingham Hill in Auburn and now lives in Alexandria, Virginia, where he is the director for the Office of Space and Advanced Technology in the Bureau of Oceans, International Environmental and Scientific Affairs in the U.S. State Department, according to the article. He also serves as the U.S. Representative to the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS). “Growing up where I did with the kids I grew up with, everybody worked. Everybody did hard work and everybody had kind of a vision of what they wanted to do,” Hodgkins said. “That part of it really helped me in my career and also with dealing with people, here in the U.S. and around the world.”

New York Times cites Sorg in article on bodies found in Central Park waters

15 May 2017

[The New York Times](#) cited Marcella Sorg, an anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine, in an article about two bodies found in Central Park waters. Almost every year, the break in weather at the beginning of spring brings dead bodies to the surface of New York’s rivers and harbor, according to the article. Sorg, a forensic anthropologist who examines decomposed bodies for several medical examiners in the region, said warm waters allow bacteria to grow in the gut or chest cavity, producing gases that make a body more buoyant. But if creatures such as lobsters or crabs start scavenging, the gases can be released and a body might never come up, she said.

AP advances wind turbine challenges

15 May 2017

The Associated Press reported more than 250 middle and high school students are expected to participate in two science competitions involving wind at the University of Maine Advanced Structures and Composites Center on May 19. For the Kleinschmidt Windstorm Challenge, high school students will design and build a scale-model floating wind turbine platform and deliver a sales pitch to a panel of judges, the AP reported. The Maine Wind Blade Challenge will connect students with composites companies to construct a functional set of wind blades. The teams will try to manufacture wind blades that generate the most energy in three minutes or less, the report states. Maine Public, [U.S. News & World Report](#) and [The Washington Times](#) carried the AP report.

Media cover UMaine’s 215th Commencement

15 May 2017

The Associated Press, [Bangor Daily News](#), [WABI](#) (Channel 5), [WLBZ](#) (Channel 2) and [WVII](#) (Channel 7) reported on the University of Maine's 215th Commencement held May 13 in Harold Alfond Sports Arena. For the second consecutive year, UMaine graduated one of the largest classes in its history — more than 1,900 students. Commencement speakers Heather and Abe Furth offered three simple pieces of advice to the graduates, the BDN reported. “One, come to terms with the discomfort of pushing your boundaries. Two, define your own version of success. And three, don’t wait — do it now,” Abe Furth said. “Pursuing things that make us nervous is fundamental to our success. My hope for all of you is that you appreciate that life is finite and that you dare to do what you want with your time, even if it scares you.” The Furths met at UMaine in 1999, and have founded restaurants, a brewery and a property company, the AP reported. “We had a lot of fear and self doubt but like all of you, we had youthful energy, tenacity and something to prove,” Heather Furth said. Valedictorian Allyson Eslin spoke with WABI about the challenges she faced throughout her college career. “It was a struggle, and a lot of work, and a lot of time, but it was very much worth the effort,” she said of graduating at the top of her class. [U.S. News & World Report](#) carried the AP article.

UMaine students in class on aging share stories of people living with Alzheimer’s

16 May 2017

Sunlight shines through the window in Carmen Tardy’s room at Orono Commons nursing home. A collage of family photos hangs on the wall above the bed. The 89-year-old Tardy, dressed impeccably in lavender sweater and scarf, sits in her wheelchair facing two University of Maine students, both young women in their early 20s. “Do you have any life lessons you can share?” one of the students asks. “Not right now,” Tardy says. That’s OK, the students say. They’ll come back to the question later. This conversation took place as part of an undergraduate class in UMaine’s Child Development and Family Relations program called Adult Development and Aging. The students participated in a project called Legacy Storytellers through the Alzheimer’s Association of Maine, where they interviewed someone with early to middle-stage Alzheimer’s or another form of dementia about their life. From the interview, the students wrote a short story about that person to give to their family. Tardy was one of five residents of Orono Commons who worked with the 11 “volunteer scribes” in the class. Samantha Divita, one of three students paired with Tardy for the six-week project, says she wasn’t always so shy about sharing her life story. “The first session she didn’t really say anything. But the more we went the more she recognized our faces and she’d talk with us. She was comfortable with us, but she’d still tell us when it was time to leave,” Divita says with a laugh. Divita says Tardy spoke highly of her parents, as well as her five children and nine grandchildren or two great grandchildren, though she can’t always remember their names. “She’d laugh a lot and say, ‘That’s my life. That’s my poor life,’” says Divita, a junior majoring in child development and family relations. Each Legacy Storytellers session begins with introductions and an icebreaker activity meant to get the volunteer scribes and residents reacquainted and comfortable with each other. The students worked from a list of questions covering different parts of a person’s life: childhood and early adolescence, adolescence, young adulthood, adulthood and parenthood, and finally life’s wisdom. Karlee Price, a major in communication sciences and disorders, says sticking to the script can be a challenge. “I found we just kind of went with whatever came up. Some days she couldn’t remember a certain part of her life, so we just talked about whatever she wanted to talk about or whatever she could remember that day,” Price says. Ian Cameron, a lecturer of human development and family studies, teaches the Adult Development and Aging class. The course examines the misconceptions, myths and stereotypes about both the aging process and the elderly, with a focus on social, physical, cognitive, economic and demographic issues. One thing Cameron wanted his students to take away from the class was that as humans live longer lives, rates of Alzheimer’s and other forms of dementia are going to increase. “It’s very difficult for 20-somethings — even if they’ve been exposed to a grandparent with Alzheimer’s — to understand that this disease is going to affect them personally at some point in their lives,” Cameron says. Maine has the one of the oldest populations in the country, a demographic trend that Cameron expects to continue throughout his students’ lives. He likens the traditional population model of the United States to a pyramid, with younger people at the bottom making up the largest chunk of the pyramid, middle-aged people in the middle, and small slice of older people at the top. That model has been flipped upside down, Cameron says, so that now the older people are the largest portion of the pyramid, while younger people make up the smallest section of the population. That will affect the types of jobs available to his students, especially if they choose to stay in Maine. “We are literally a laboratory for the rest of the country,” he says. “It represents many challenges, but also opportunities.” Cameron became aware of the Legacy Storytellers program late last year after meeting with Mark Pechenik of the Alzheimer’s Association, Terri Gallant of Eastern Area Agency on Aging, and Sandra Caron, professor of family relations and human sexuality. In 2016, Pechenik, Gallant and the UMaine Center for Community Inclusion and Disability Studies collaborated on the initial effort [to bring the program to campus](#). Cameron says the primary goal for the students was to produce a story about the residents’ lives. A secondary goal was to have the students form a personal relationship with someone living with Alzheimer’s. “These people know things that young people don’t,” he says. “One of the last questions they asked was, ‘What life lessons have you learned?’” The students say they took that lesson to heart. Kayley Johnson, a psychology major, says she looks at aging differently since visiting the nursing home and talking to the residents. “There’s so many negative connotations attached to aging in our society,” Johnson says. “But seeing them every week, they’re just human. They’re just people and aging doesn’t have to be bad.” This was the first time Orono Commons has participated in the Legacy Storytellers program, says Director of Social Services Trudy Neal. She says she was impressed by the connection between the UMaine students and the residents. “It can be sad to watch somebody’s memory slip away, and I think often times we focus on the negative result of that. But there are things you can do to make the last chapter of their life more enjoyable,” Neal says. Neal has a personal connection to one of the residents interviewed as part of the class at UMaine: Her mother is Carmen Tardy. Neal says her mom is lucky to have a lot of family visits, which is not the case for residents who don’t have family or friends nearby. In those situations, she says the one-on-one visits provided by the Legacy Storytellers are invaluable. “They love having people come in and talk to them and ask them about their lives” Neal says. “Elderly people have so much to offer. They’ve lived their lives. And what they have the ability to share they want to share.” Several of the students said they plan to keep visiting the residents after the Legacy Storytellers project. Divita says she noticed the positive effect it had for Tardy. “I think we were helping to prolong her memory,” Divita says. “She was always up and ready when we arrived and I think she looked forward to it. She knew we were coming, so I know her mind is still working when weren’t there.” Contact: Casey Kelly, 207.581.3751

Free two-week engineering day camp for Bangor-area middle school students

16 May 2017

The University of Maine College of Engineering is offering educational opportunities for 20 middle school students to learn about engineering- and transportation-related careers in a free two-week day camp, July 10–21 on campus. Students explore all aspects of engineering while participating in leadership and team-building activities, and a series of lectures, workshops, hands-on laboratories and field trips. The day camp is from 9 a.m. to 4 p.m. weekdays in UMaine’s Foster Center for Student Innovation. Lunch will be offered in a UMaine dining hall; swimming, basketball and other sport activities will be offered in UMaine’s New Balance Student Recreation Center. Applications are available [online](#). For more information or to request a disability accommodation, contact Sheila Pendse at sheila.pendse@maine.edu.

Roiland helping to launch traveling First Amendment exhibit, Kennebec Journal reports

16 May 2017

The [Kennebec Journal](#) reported the Gannett House Project First Amendment Museum in Augusta recently received a \$7,430 grant from the Maine Humanities Council. The funds will support the development of a travel-ready exhibit that will introduce visitors to the origins, evolution and contemporary issues around the five freedoms of the First Amendment, according to the article. Project scholars including Joshua Roiland, an assistant professor of journalism at the University of Maine, and Dmitry Bam, an associate professor at the University of Maine School of Law, are helping the museum capture the essence of the First Amendment's freedoms using relevant national and regional stories. The exhibit will be displayed at venues including libraries and schools around Maine while improvements are made at the Gannett House, the article states.

UMaine to work with Island Institute on disaster preparedness project, Penobscot Bay Pilot reports

16 May 2017

The [Penobscot Bay Pilot](#) reported Rockland-based nonprofit Island Institute received a \$240,000 grant to fund a collaborative project that focuses on disaster preparedness in Maine's island and coastal communities and addresses threats faced from environmental change and natural disasters related to sea level rise. Working with a network of 150 partners, Island Institute will lead the team in identifying the risks to Maine's working waterfront, confronting the challenges encountered by these communities, and implementing effective solutions that increase community resilience in the face of changing threats to our coast, according to the article. Partners in the project will include the University of Maine, Maine Sea Grant and Darling Marine Center, the article states. The Associated Press, WABI (Channel 5) and Maine Public also reported on the project. The [Portland Press Herald](#) carried the AP story.

Dean Humphrey discusses engineering on 'Positively Maine' radio show

16 May 2017

Dana Humphrey, dean of the University of Maine College of Engineering, was a recent guest on [Newsradio WGAN](#)'s "Positively Maine" radio show. The four-segment episode focused on Humphrey's career; the UMaine College of Engineering's history, students and research; and the future of engineering in the state, including the need for more engineers.

Orono chamber choir directed by Francis Vogt to perform May 20–21

17 May 2017

Orono chamber choir EUPHONY, under the direction of Francis Vogt, will present two performances of a tribute to choral conductor and composer Gregg Smith. "Now I Walk in Beauty: A Memorial Tribute to Gregg Smith" will be performed at 7:30 p.m. Saturday, May 20 at the Church of Universal Fellowship in Orono; and 7 p.m. Sunday, May 21, at St. John's Episcopal Church in Bangor. Vogt is the director of choral activities and instructor of voice at the University of Maine School of Performing Arts. EUPHONY is Vogt's off-campus chamber choir, which is composed of current students, recent alumni, faculty and community members. Gregg Smith (1931–2016) was one of the most influential choral conductors in American history, championing all types of American vocal music. The concert will include music by Smith, William Billings, Charles Ives and Igor Stravinsky. Students will be admitted free; a \$10 donation is suggested for others.

Fogler Library brochure wins 2017 PR Xchange Award

17 May 2017

A brochure published by the University of Maine's Fogler Library has won a 2017 PR Xchange Award from the American Library Association. The PR Xchange Awards recognize the best public relations materials created for libraries in the past year. The competition, which received nearly 400 entries, is judged by a committee of industry experts and professionals in graphic design, marketing, public relations and marketing. The Fogler Library brochure was a winning entry in the category of Patron Orientation Materials. The winning entries will be on display and recognized at the American Library Association Conference in Chicago this summer. The PR Xchange Awards are sponsored by the Library Leadership and Management Association Division of the American Library Association. The Fogler Library brochure can be viewed [online](#).

UMaine class returning to Swan's Island for second year

17 May 2017

Fourteen University of Maine students and two faculty members from the College of Education and Human Development will be immersed in Maine island life May 22–29 as part of a unique May Term travel-study course. "Maine Island Culture and Community Engagement" is a service learning class, where students volunteer part of each day at local organizations and businesses on Swan's Island, located about six miles south of Mount Desert Island. The course was first offered last year, when some of the service projects included volunteering at the school, library and historical society; renovating the historic lighthouse keeper's house; and working at Saturn Press, a printing press on the island. This year, students also will be doing renovations and archival work at the Swan's Island Lobster and Marine Museum. In addition to the volunteer work, students are required to keep a journal documenting their time on the island, and read books on Maine history and culture. They also will produce multimedia projects when they return to campus. The undergraduate and graduate students include those studying education, history, English and Maine studies. Annette Nelligan, a lecturer in counselor education, and John Maddaus, an associate professor of education, will lead the course. Nelligan, who also taught last year, says it's important for students to be familiar with different lifestyles not only globally but throughout Maine. She adds members of the Swan's Island community were appreciative of the students' contributions last year, and are excited to be welcoming them back this year. The island is home to about 350 year-round residents. A ferry shuttles people and vehicles between the community and Bass Harbor, a trip that takes about 40 minutes each way.

Tisher, Borns co-write BDN op-ed

17 May 2017

The [Bangor Daily News](#) published the opinion piece, “Trump’s fight against environmental protection is a threat to Maine’s economy and health,” by Sharon Tisher and Harold Borns. Tisher is a lecturer in the University of Maine School of Economics and Honors College. Borns is a glacial and ice age geologist, UMaine professor emeritus of the Climate Change Institute (CCI) and the School of Earth and Climate Sciences, and founder of the CCI.

Camire quoted in Pittsburgh Post-Gazette article on white, green asparagus

17 May 2017

Mary Ellen Camire, a professor of food science and human nutrition at the University of Maine and fellow with the Institute of Food Technologists, spoke with the [Pittsburgh Post-Gazette](#) for an article about white and green asparagus. Camire, who studies the sensory evaluation and nutritional content of foods, said white asparagus requires a vegetable peeler. “It has a thicker skin than we’re used to with the green asparagus,” she said, noting that the “vampire vegetable” probably became more thick-skinned because of its immersion in soil. She described the taste as “gentler and creamier” than the green variety. Camire said there has not been a lot of nutritional quality testing of white asparagus, but noted it is likely similar to green asparagus, which means it is a good source of vitamins and antioxidants, the article states.

Jemison speaks with BDN about Orono Community Garden

17 May 2017

John Jemison, a soil and water quality specialist with the University of Maine Cooperative Extension, was interviewed by the [Bangor Daily News](#) for the article, “How community gardens are helping lower income Mainers.” This year, the Orono Community Garden, which Jemison helped found, will mark its 14th season growing organic vegetables that are shared with local seniors on fixed incomes, according to the article. Jemison and others around the state are committed to growing community gardens that provide fresh vegetables for everyone, not just those who can afford to pay top dollar for high-quality produce, the article states. Jemison and the garden volunteers deliver vegetables and recipes to about 60 low-income seniors from late June through September. Jemison said the recipients feel fairly food secure and don’t worry about where their next meal will come from. They don’t rely on the bags of vegetables that are delivered to their homes, but they appreciate it, he said. “They enjoy our coming by,” he said. “They’re happy to see us.”

Three UMaine projects awarded USDA funding to strengthen economy of rural communities

17 May 2017

Three University of Maine projects were awarded a total of more than \$1 million in U.S. Department of Agriculture grants to improve sustainable agriculture and help rural communities thrive. The USDA’s National Institute of Food and Agriculture (NIFA) awarded nearly \$17.5 million to 47 institutions nationwide. The funding is made possible through NIFA’s Agriculture and Food Research Initiative (AFRI) program, authorized by the 2014 Farm Bill. UMaine researchers Jessica Leahy and Mindy Crandall, faculty in the School of Forest Resources; and Kathleen Bell, a professor in the School of Economics, received awards for their projects related to strengthening economic opportunities in rural Maine. Crandall’s study, “Youth aspirations and labor market transitions in rural communities,” was one of two projects cited in the USDA [news release](#) announcing the awards. The project will “encourage youth employment and entrepreneurship activities to foster resilient rural communities,” the release states. Crandall, an assistant professor of forest landscape management and economics, was awarded \$458,275 for the three-year study. The project will look at economic restructuring, community characteristics, and young people’s perceptions of local labor markets in traditionally forest-dependent rural communities in Maine and Oregon. The project will seek to understand youth decisions about their human capital investments, and the potential impact their choices may have on rural community persistence in the future. Leahy, interim associate dean for research in the College of Natural Sciences, Forestry, and Agriculture; and interim associate director of the Maine Agricultural and Forest Experiment Station, was awarded \$498,462 for “Finding the sweet spot: Scale challenges and opportunities for beekeeping and maple syrup production in Maine.” The three-year project aims to increase knowledge of the production and marketing challenges and opportunities for small- and medium-sized beekeeping and maple syrup producers in the state. Bell, a professor of resource economics and policy, was awarded \$77,492 for “Big data, economics, and rural economies: Facilitating innovation and economic opportunities in rural communities.” The long-term goals of the nine-month, sabbatical-grant project are to advance knowledge and understanding of rural communities and entrepreneurs, and enhance rural economic opportunities.

U.S. Rep. Chellie Pingree also announced the grants in a [news release](#).

“It’s a pivotal time for Maine’s rural communities. They have many challenges and opportunities before them, especially when it comes to their economic future,” Pingree said. “These research projects will give businesses and other decision makers in those communities the information they need to find the best way forward. I applaud the University of Maine for doing this important work and am grateful for the federal support.” AFRI is America’s flagship competitive grants program for foundational and translational research, education and extension projects in the food and agricultural sciences. The AFRI program area of Agriculture Economics and Rural Communities supports projects that improve agricultural sustainability, protect the environment, enhance quality of life for rural communities, and alleviate poverty, according to the USDA. More information about the awards and projects is [online](#). Contact: Elyse Catalina, 207.581.3747

Hutchinson Center to offer integrative health care workshop June 23

18 May 2017

Physicians, nurses, dietitians, mental health professionals and others who are interested in developing skills to create a more positive relationship between patients with chronic disease and their caregivers are invited to attend a June 23 workshop at the University of Maine Hutchinson Center in Belfast. “Integrative Healthcare: Approaches to Behavior,” will be offered from 8:30 a.m. to 3 p.m. Workshop goals include learning the social, emotional and behavioral aspects of health care. Learning how to be present and supportive of patients who are grieving over loss or change, and facilitating effective health care groups for patients and their families are two of the several topics to be covered. The workshop will be facilitated by Wendy Rapaport, LCSW, Psy.D. and clinical psychologist. Rapaport is a faculty member at the University of Miami Miller School of Medicine’s Diabetes Research Institute and the University of Maine Graduate School of Social Work. For more than 30 years, she has specialized in individual, marital, family and group therapy for patients

with diabetes. Payment of \$95 per person is required at the time of registration. There is a 15 percent discount for groups of four or more; organizations are encouraged to send small groups of employees. Scholarships are available. " For more information, to register, or to request a disability accommodation, visit the Hutchinson Center [website](#) or contact Diana McSorley at diana.mcsorley@maine.edu, 338.8093.

UMaine hosting Maine All-State Music Festival May 18–20

18 May 2017

The University of Maine and School of Performing Arts are hosting the 2017 All-State Music Festival May 18–20. The festival brings together more than 500 student musicians representing 92 high schools from around the state for a series of workshops, master classes and performances. Final concerts will take place Saturday, May 20 at the Collins Center for the Arts. The Choral Concert begins at 2:30 p.m. and the Instrumental Concert begins at 5 p.m. [Tickets](#) are \$12 for general admission, \$10 for students and seniors. Organized by the Maine Music Educators Association (MMEA), the festival is celebrating its 100th year. MMEA holds the distinction of being the oldest continuous music education association in the country. More information about the festival is [online](#).

Kersbergen speaks with BDN about challenges farmers face during wet spring

18 May 2017

Richard Kersbergen, a University of Maine Cooperative Extension professor based in Waldo County, spoke with the [Bangor Daily News](#) for an article about how unusually wet conditions and cold temperatures in the first half of May pose challenges for Maine farmers. "The calendar is behind for the growers," Kersbergen said. "We're two weeks behind, and that's going to push things back. There's a lot of fields that farmers can't even work right now because they're just too wet, and it's really going to crunch their time budgeting." He said vegetable growers and other farmers across the state have anxiously awaited the period of sun and warmer temperatures, which began Tuesday and is predicted to last for four days or so. However, the rain is recharging wells and refilling bodies of water that suffered under the 2016 drought, the article states. "That's a silver lining," Kersbergen said. "But in terms of crop development, I don't see a silver lining to this. It really is going to be a very hectic time for producers. ... It's a battle right now, that's for sure."

Hakai Magazine quotes Sandweiss in report on Peru anchovy fishery

18 May 2017

University of Maine archaeologist Dan Sandweiss was quoted in the [Hakai Magazine](#) article, "The fish that smells like money: A tiny anchovy could be a silver bullet for malnutrition in Peru — if only we would let it." The Peruvian anchoveta is one of the world's most abundant fish, but only two percent of the catch is eaten by the locals — the vast majority is turned into fish meal or oil, and shipped to farmers and aquaculturists around the world to feed shrimp, cattle, and other livestock, according to the article. The anchoveta fed Peruvians for thousands of years, according to Sandweiss, a professor of anthropology and climate change. A shift in climate roughly 5,800 years ago brought cool upwelling water to the west coast of South America, and with it, the small schooling fish. Sardines and anchovies were the protein cornerstone of the diet of the late preceramic coastal societies, and facilitated rapid population growth and development throughout the region, the article states. "The fish were clearly an important part of the story," Sandweiss said. When overfishing drove the sardine populations off California to collapse in the 1950s, the Peruvian anchoveta fishery industrialized rapidly, filling the gap in the market, the magazine reported.

BDN interviews Garland about benefits of container gardening, tips for beginners

18 May 2017

Kate Garland, a horticulturist with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) about the benefits of container gardening and how to get started growing a garden in a small space. "Not a lot of people have access to good soil, good sunlight in the right spot, [and] even access to water can be tough. To consider growing the crops that you really need in small containers can be a really good option, especially as a stepping stone to get people into gardening," Garland said. Because of the low cost for containers and need for less soil, planting in containers is less expensive than investing the resources in purchasing loam and construction materials for raised beds, the article states. "It's a really low-cost way of getting into gardening," Garland said. To start growing, all you need are containers, a trusty potting soil and plant seeds or seedlings, the BDN reported. Garland said the containers don't have to be fancy; the most important thing is that they have adequate drainage.

UMaine awarded \$1M for projects to boost state's rural economy, media report

18 May 2017

The Associated Press, Maine Public, [Mainebiz](#) and WABI (Channel 5) reported the University of Maine will receive more than \$1 million in federal money for projects focused on improving the rural economy in the state. The money is from the U.S. Department of Agriculture's Agriculture and Food Research Initiative. UMaine researchers Jessica Leahy and Mindy Crandall, faculty in the School of Forest Resources; and Kathleen Bell, a professor in the School of Economics, received awards for their projects. The largest of the three projects is a nearly \$500,000 grant to investigate the challenges and opportunities for beekeeping and maple syrup production in Maine, according to the AP. Another grant of more than \$450,000 aims to get a better understanding on how young people in rural areas make the decision about whether to stay. The final grant is a more than \$75,000 award to fund a project that will look at how data can be used to improve rural economic development opportunities, the AP reported. [U.S. News & World Report](#), [Seacoast Online](#) and Miami Herald carried the AP report. U.S. Rep. Chellie Pingree also announced the grants in a [news release](#).

King to teach comparative regenerative biology in Bar Harbor

19 May 2017

Benjamin King, assistant professor of bioinformatics, will be a member of the faculty at REGEN 2017, a new signature course in Comparative Regenerative Biology, from July 29 to Aug. 12, at MDI Biological Laboratory in Bar Harbor. REGEN 2017 will include an Aug. 4–6 symposium titled "Learning from Nature: Comparative Biology of Tissue Regeneration and Aging." Senior graduate students, postdoctoral scholars and junior faculty are invited to apply for

participation in the course, which includes full registration for the symposium. Members of the public may register for the symposium. The other eight faculty members include investigators and professors from the MDI Biological Laboratory and The Jackson Laboratory, both in Bar Harbor; the Stowers Institute for Medical Research; the Department of Genetics, Cell Biology and Development at the University of Minnesota's Minnesota Stem Cell Institute; Pontifical Catholic University of Chile; and the University of Kentucky. For more information or to register for the course or symposium, visit the MDI Biological Lab [website](#) or email education@mdibl.org.

Cody quoted in Press Herald article on Sen. Collins, health care bill

19 May 2017

Howard Cody, professor emeritus of political science at the University of Maine, was quoted in a [Portland Press Herald](#) article about Sen. Susan Collins saying the 13 Republican senators charged with drafting a health care bill to replace the Affordable Care Act are unlikely to succeed. Collins is working with a moderate group of Democratic and Republican senators on a bipartisan alternative, according to the article. In January, Collins and Sen. Bill Cassidy unveiled an ACA replacement bill that is much more centrist than the House bill, the Press Herald reported. Cody said the Cassidy-Collins bill is "much better" than the House bill, but it almost certainly won't become law. He said Democrats and left-leaning independents like King want to keep the ACA, and are not going to vote for anything that weakens it further. Meanwhile, a centrist bill that clears the Senate would not pass muster with House conservatives, the article states. "I don't see how it could pass the House," Cody said.

Virginian-Pilot cites UMaine study in editorial on hazing prevention

19 May 2017

[The Virginian-Pilot](#) mentioned research from a 2008 University of Maine [study](#) in the editorial, "To stop hazing deaths, change the culture." "Hazing in View: College Students at Risk," conducted by researchers Elizabeth Allan and Mary Madden, found students who experienced hazing rarely notify college officials.

Lee appointed interim vice president for enrollment management

22 May 2017

In June, Joe Lee will join the University of Maine community to begin a one-year appointment as interim vice president for enrollment management for UMaine and the University of Maine at Machias. Lee comes to UMaine from the Registry for College and University Presidents, a national firm providing interim leadership in higher education. Lee's most recent appointment was at Corning Community College in New York, where he has served since September 2015 as vice president and dean of enrollment management and student development. In addition to numerous enrollment management and student life positions in the past four decades, Lee has served as president of Pine Manor College (2014–15), Saint Joseph's College (2007–11) and Thomas More College (2001–04). Lee is a Maine native who holds a doctorate in higher education administration from Boston College. "Dr. Lee is an experienced leader in higher education, particularly in enrollment management," says Jeffrey Hecker, UMaine executive vice president for academic affairs and provost. "We look forward to tapping his expertise. He will work with us to continue UMaine's momentum in advancing student recruitment and the Flagship Match program." Contact: Margaret Nagle, 207.581.3745

Clam Cam offers glimpse of lives, challenges of harvesters

22 May 2017

Bridie McGreavy grew up in Brownfield, Maine, but until arriving at the University of Maine in 2010, she hadn't been on a clam flat. Walking on exposed intertidal mud for the first time, she says, was like entering a "world that was so foreign, so beautiful." Now, thanks to the Clam Cam — which opens a window into the lives of Maine clam harvesters — others can experience that world, too. McGreavy is an assistant professor in the Department of Communication and Journalism. She's collaborating on the project with Tyler Quiring, a Ph.D. student in communication, and Carter Hathaway, a 2017 UMaine graduate with a bachelor's in journalism. A goal, says McGreavy, is to share the unique way of life and some of the pressing challenges of people who harvest clams for a living on the coast of Maine. The team uses ethnographic methods (detailed, in-depth descriptions of people's daily life and practices) and digital media in its research to help foster communities' resiliency and sustainability. After a harvester suggested the public could learn about his livelihood by vicariously digging clams, McGreavy's team supplied GoPros for harvesters — from Freeport to Roque Bluffs — to strap to their chests. The videos depict what harvesters see — including sunrises, thick fog and sometimes even thicker mud. They also show the tools of the trade — rakes, buckets, hods, mesh bags and gloves, as well as various digging or pulling techniques. And more mud. A microphone picks up the sucking sounds of harvesters' waders emerging from the mud, as well as the harvesters' occasional labored breath. McGreavy says the Clam Cam captures the hard manual labor that goes into securing even a few pounds of fresh local clams for dinner. Harvested soft-shelled clams from Maine were valued at \$15.6 million in 2016 — making them the third most valuable commercial fishery in the state behind lobsters (\$533 million) and Atlantic herring (\$19 million). In 2016, the clam fishery dropped from second to third in commercial value, which may be part of a downward trend in many places in landed catch and license sales. McGreavy says harvesters have shared a number of funny stories. In one, a person saw, for the first time, a harvester digging for clams and exclaimed, "So that's where clams come from." Clam harvesters face environmental, economical and social challenges, says McGreavy. Environmental challenges, she says, include climate change, which encompasses ocean acidification, shifting of species — including the devastating green crabs and other predators — and harmful algae blooms. Social issues include persistent bias against clambers, lower levels of education and lack of access to technology in remote and rural areas. Physical pain and substance use disorders contribute to other issues, says McGreavy, including challenges related to the capacities of towns to effectively manage and sustain the resource. McGreavy, Quiring and Hathaway built a website — nest.maine.edu/clamcam — to showcase the project's videos, interviews and data. They hope visitors to the site gain knowledge and an appreciation for the harvesters essential to this vital Maine industry. For Hathaway, of Turner, Maine, the Clam Cam project was his first outside-the-classroom research experience. He says he's gleaned in-depth insights about the clamming industry and an understanding of how academic research can benefit it. For Quiring, of Kelowna, British Columbia, "one of the most compelling things about Clam Cam's wearable approach to audio and video recording is that clambers have a substantial, embodied role in shaping how their industry is depicted. This variation on traditional data generation supports engaged and ethically mindful research." During one of the Down East digging sessions last summer, Quiring says the researchers helped a clammer put on the video camera, hit the record button and walked away to give him space. A few minutes later, they heard the man's voice and wondered to whom he was talking. "It turned out he was narrating his digging on camera, talking to the eventual viewer and describing what it was

like to dig, how hot it was, how he finds clams and drains the water from the hole he's working on, and why clamming is important to him," says Quiring. "We were surprised and excited about this spontaneous relationship that was forming between clammer and viewer, across both distance and time. This is one example of the joy and care clammers bring to their work that enriches our experiences as researchers as well as the experiences of the public who will be able to view these videos." A National Science Foundation award to the Senator George J. Mitchell Center for Sustainability Solutions and a grant from the University of Maine Humanities Center support the project. Contact: Beth Staples, 207.581.3777

UMaine to host 1940s potluck lunch, tribute to WWII veterans

22 May 2017

The University of Maine will host a 1940s theme tribute to World War II veterans on Tuesday, May 30. Members of the public are invited to attend a free potluck lunch and story-sharing event from noon to 3 p.m. in the atrium of the D.P. Corbett Business Building. Guests are asked to bring a dish, preferably one that was popular in the 1940s, and dress according to the time period. Guests also are encouraged to share WWII tales, pictures or memorabilia. The lunch will take place from noon to 1 p.m., followed by time to meet others and swap stories. The event is hosted by the UMaine Office of Veterans Education and Transition Services (VETS) and the Maine Business School. For more information, to RSVP, or to request a disability accommodation, contact Nory Jones at njones@maine.edu, 581.1995.

BDN publishes grad student's op-ed on ransomware

22 May 2017

Lucas Ashbaugh, a graduate student in the University of Maine School of Policy and International Affairs, wrote an opinion piece for the [Bangor Daily News](#) titled, "WannaCry attack a wake up call to the danger of cyberaggression." Ashbaugh is pursuing a master's degree in international security.

Mainebiz reports on AMC, Lanco collaboration for L.L.Bean

22 May 2017

[Mainebiz](#) reported on a recent collaboration between the Advanced Manufacturing Center at the University of Maine and Westbrook-based Lanco Integrated that has resulted in the building of a new automation machine for L.L.Bean. The machine will be used in the outdoor retailer's Brunswick manufacturing facility — and is expected to increase production and quality, Mainebiz reported. It's the second machine Lanco Integrated has designed and built for L.L.Bean. Lanco designed and manufactured the parts of the machine, which was then assembled and tested at the AMC. "The main obstacle was their overflow," said John Belding, AMC director. "They have a lot of projects going on and a very tight schedule on a lot of their projects, and they needed some extra help in getting some of these machines constructed." The project also allowed students to be trained on Lanco's assembly systems in preparation for entering the workforce.

BDN previews UMMA exhibit developed by UMaine Center on Aging

22 May 2017

The [Bangor Daily News](#) reported on "Somewhere," a solo exhibit by New York artist Jason Bard Yarmosky that opened May 19 at the University of Maine Museum of Art in downtown Bangor. The show, developed in partnership with the UMaine Center on Aging and St. Joseph Healthcare Foundation, will be on display through Sept. 2. It will serve as the focus and catalyst for a summer series of free noontime talks and workshops aimed at educating family caregivers and others in the community about age-related dementia, Alzheimer's disease and the role of art in a healing environment, according to the article. Yarmosky, who paints in a detailed, hyper-realistic style, has been painting his grandparents for several years. Even after his grandmother developed signs of dementia in 2013 and was diagnosed with Alzheimer's, she insisted he continue, the article states. For George Kinghorn, the museum's director and curator, Yarmosky's show provides an important opportunity to further the museum's academic mission. In addition to exposing museum-goers to important new artists and contemporary ideas about the creative process, he said, UMMA is charged with using the lens of art to examine social issues. "Anytime an exhibit can be a springboard for community engagement and bring in an audience who might not otherwise find their way into the museum, that's a good thing," he said. [Alzheimer's News Today](#) and [Portland Press Herald](#) also previewed the exhibit.

WABI covers wind turbine challenges

22 May 2017

WABI (Channel 5) reported on two middle and high school STEM competitions at the University of Maine Advanced Structures and Composites Center. About 300 students participated in the Kleinschmidt Windstorm Challenge and ninth annual Maine Wind Blade Challenge, WABI reported. For the Kleinschmidt Windstorm Challenge, high school students designed and constructed a scale-model floating wind turbine platform, tested the design and delivered a business plan and sales pitch to a panel of expert judges. The Maine Wind Blade Challenge connected teams of middle and high school students with composites companies to construct and infuse a functional set of wind blades. Each team's goal was to manufacture an assembly that would generate the most energy in up to three minutes. "It's very exciting for us to truly inspire the kids to become the entrepreneurs of the future," said Habib Dagher, executive director of the UMaine Composites Center. "So these kids will eventually develop businesses in the state of Maine and create opportunities and create jobs." [WAGM](#) (Channel 8 in Presque Isle) also interviewed a team of four Caribou High School students who took home the top prize at the Kleinschmidt Windstorm Challenge.

Bayer, Wahle quoted in Press Herald article on lobster bait

22 May 2017

Bob Bayer, executive director of the University of Maine's Lobster Institute, spoke with the [Portland Press Herald](#) for the article, "What did your lobster eat before you ate your lobster? And why should you care?" as part of the "Green Plate Special" column. For Maine lobsters, herring is their preferred food because they grew up eating it, according to Bayer, who said it takes one pound of herring to produce one pound of lobster. That same ratio, when used in fin

fish aquaculture, has been rendered an unsustainable practice, according to the article. To meet the demand of the lobster industry, bait is now sourced from all over the world, a logistical fact that raises serious biosecurity and human health issues, according to Rick Wahle, a research professor at UMaine's Darling Marine Center in Walpole. For the last 30 years, Bayer has been formulating bait alternatives, which can be used solo or mixed with herring to help stretch its usefulness, the article states.

Leslie to lecture on coastal resilience in Bath

23 May 2017

Marine scientists Heather Leslie and Susie Arnold will talk about coastal resilience at the Kennebec Estuary Land Trust spring lecture at 6:30 p.m. Wednesday, May 31 at Patten Free Library in Bath. Leslie, director of the University of Maine Darling Marine Center and the Libra Associate Professor in the School of Marine Sciences, conducts research around the world on the ecology, policy and management of coastal marine ecosystems. Drawing on work she has done in Maine and Mexico, Leslie will talk about the emerging science of resilience and describe how it's changing people's understanding and stewardship of coastal and marine ecosystems. Climate change, habitat loss, overexploitation and changing social and economic systems are among the many drivers with the potential to enhance or erode resilience of coastal ecosystems and human communities that are part of them. Arnold, who earned a master's degree in marine policy and a Ph.D. in marine biology at UMaine, works at the Island Institute in Rockland. She explores the impacts of climate change and ocean acidification on marine resources and fisheries-dependent communities. Arnold will share results of an experiment involving growing aquacultured sugar kelp to remediate acidification and improve growing conditions for nearby shellfish.

WABI advances 15th annual Festival of Art at Hutchinson Center

23 May 2017

Judith Long visited the studio of WABI (Channel 5) to speak about the Senior College at Belfast's 15th annual Festival of Art. The event will be held June 1–4 at the University of Maine Hutchinson Center in Belfast. The exhibit will feature artworks in a variety of media by more than 150 amateur and professional Maine artists who are at least 50 years old.

Maine National History Day winners featured in local newspapers

23 May 2017

The Sun Journal, [Morning Sentinel and Kennebec Journal](#) reported on local winners of Maine National History Day, which was held at the University of Maine in April. The 265 students from 28 middle and high schools showcased exhibits, papers, websites, documentaries and performances based on their original research related to this year's theme of "Taking a Stand in History." Awards were presented in several categories, and the top state winners are eligible to compete in the national contest June 11–15 at the University of Maryland. Maine National History Day is a partnership between the University of Maine Humanities Center and the Margaret Chase Smith Library, with support from the Maine Humanities Council and the Maine Historical Society.

Rebar cited in BDN article on Caribou farm chosen to grow food for UMS campuses

23 May 2017

The [Bangor Daily News](#) reported a major University of Maine System food service provider is partnering with Circle B Farms of Caribou to bring more locally grown food to campuses in Fort Kent, Presque Isle, Machias and Orono. Sodexo, the French food service giant that holds a \$12 million per year contract with the system, has hired Circle B Farms as its northern Maine food aggregator, as part of an effort to source 20 percent of all UMS food locally by 2020, according to the article. The role of food aggregator was created earlier this spring as a way to address a number of challenges Sodexo faced in sourcing local food, including a requirement for \$9 million in liability insurance, the article states. Premiums for that kind of insurance would be too costly for small farmers, while Circle B can meet the requirement with its year-round sales, according to John Rebar, executive director of the University of Maine Cooperative Extension.

WABI covers Top Gun regional showcase

24 May 2017

WABI (Channel 5) reported on the Top Gun regional showcase held in Bangor. Seven members of the 2017 Top Gun Bangor Region Class competed by pitching their business ideas to a panel of judges who chose two finalists to move on to the final competition in Portland where they could win \$10,000. "These entrepreneurs are practicing their business pitches because it is something that they're going to need to do as they grow their business," said Renee Kelly, an event organizer and assistant vice president for innovation and economic development at the University of Maine. "They're going to have to sell their business to customers or bankers or investors sometime in the future. Just practicing and getting here to do that is really valuable for them. But if someone wins the \$10,000 that's going to be a huge head start." The Top Gun program is hosted and organized by UMaine in the Bangor region in partnership with the Maine Center for Entrepreneurial Development, and involves many local business sponsors, program advisers and mentors. [Mainebiz](#) reported on all of the regional winners who will compete in the final competition.

Professor Emeritus Frey passes away

24 May 2017

Roger Frey, a professor emeritus of psychology at the University of Maine, passed away May 14. Frey, a UMaine alumnus, dedicated 50 years to teaching psychology, research and statistics in various positions, according to his [obituary](#).

Clean Sweep Sale to be held May 26–27 in Alford Arena

24 May 2017

The University of Maine will hold the annual Clean Sweep Sale 11 a.m.–6 p.m. Friday, May 26 and 8 a.m.–2 p.m. Saturday, May 27 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 or students who moved out of the dorms at the end of the semester. Proceeds will be used to support programs and services offered through UMaine's Bodwell Center for Service and Volunteerism, including the Black Bear Exchange, Welcome Weekend Day of Service, and the MLK Day of Service meal-packing event. Pre-sale photos will be posted on the UMaine Bodwell Center [Facebook](#) page. For more information, call the Bodwell Center at 581.3091.

Participants sought for Eat Well Volunteers Program, Ellsworth American reports

24 May 2017

[The Ellsworth American](#) reported the University of Maine Cooperative Extension is seeking participants for its Eat Well Volunteers Program in Hancock County. Volunteers will be trained to teach clients of food pantries and community meal sites about food preparation and safety, as well as nutrition. The hands-on volunteer training consists of four weekly sessions beginning June 6 at the Hancock County Extension Office. After completing the training, participants will provide 30 hours of volunteer service conducting lessons with clients at a local food pantry or community meal site. The deadline to apply is June 2. More information is available by calling 667.8212 or emailing sue.baez@maine.edu.

BDN publishes op-ed by Butler

24 May 2017

The [Bangor Daily News](#) published the opinion piece, "Lessons from France: Universal care works and is not politically divisive," by Sandra Butler, a professor of social work at the University of Maine. 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.

Silver quoted in Tablet review of Terezín orchestra concert

24 May 2017

[Tablet Magazine](#) published a review of Defiant Requiem's concert in Terezín, a former military compound in the Czech Republic where the Theresienstadt concentration camp was located. The 13-piece orchestra included pianist Phillip Silver, a professor of music at the University of Maine. The orchestra performed "Hours of Freedom: The Story of the Terezín Composer," which featured music composed by 15 prisoners during the Holocaust, according to the article. "It is difficult, if not impossible, to decontextualize the composer from the experience. No one has any difficulty discussing Beethoven's music in the context of his deafness," Silver said. If anything, he said he thinks the context magnifies the unique qualities of the music. "If one could hypothetically remove the context and background of these works, that uniqueness would remain," he said.

Camire speaks with BDN about providing healthy school lunches

24 May 2017

Mary Ellen Camire, a professor of food science and human nutrition at the University of Maine, was quoted in the [Bangor Daily News](#) article, "Maine schools resist national plan to relax healthy lunch guidelines by serving fresh, local foods." Camire said that for many children, school is the only place they get healthy food. "So it's important they get adequate nutrition. Not just chicken nuggets and fries because it's what they like," she said. "In an ideal world — and we're not in one — there'd be better funding for school lunches. They'd be tasty and appealing, as well as nutrition-rich. I think schools need to be a place where children are introduced to healthful foods they're not getting at home."

Research finds technology, skilled workforce, energy important to economic development of U.S. cities

25 May 2017

A highly skilled workforce, technology-using companies and energy-based resources are the most important factors supporting economic development in the United States, according to a University of Maine economist. Workforce skills and high-tech businesses are particularly key to the performance of the nation's largest cities, says Todd Gabe, a professor in UMaine's School of Economics. In smaller cities, energy production is the driving factor for growth. During research for his new book, "The Pursuit of Economic Development: Growing Good Jobs in U.S. Cities and States," Gabe examined the economic development of United States metros based on their growth, income and employment persistence from 1990 to the near present. This period is important because it begins around the dawn of the internet and the nation's transition to a knowledge-based economy, he says. Gabe identifies San Jose and San Francisco in California as the highest-ranked large regions for economic development. The top two big cities were among the best for skilled workers and high-tech companies in 1990, says Gabe. Other top 10 large metros for economic development include Houston, Denver, Seattle and Phoenix. The top two small regions — Midland and Odessa, Texas — are rich in energy resources, like some of the other top 10 small cities, such as Laredo and Victoria in Texas, and Casper, Wyoming. The last 25 years have seen vast differences in economic performance across U.S. cities, according to Gabe's research. Employment change ranged from actual declines in the number of jobs to growth rates that exceed 50 percent in places like Austin, Las Vegas and Provo, Utah. "Although a few of the places that were heavy into goods production in 1990 have done OK, many of the metros with the bleakest economic performance started with a focus on manufacturing," Gabe says. U.S. regional policymakers have consistently looked to manufacturing as a way to support the economy. "We still find that a growing manufacturing sector is good for economic development in a region," Gabe says. "It's just that many of the traditional manufacturing strongholds have experienced job losses through greater automation and international competition." The economic forces at play over the last 25 years mean that the top-performing places — cities like San Jose, Boston, Denver and Houston — distanced themselves from places that were less able to participate in the new economy. "In earlier generations, lower wage regions could more easily catch up to their higher productivity competitors," Gabe says. "Now, the top places are pulling away from the pack." Contact: Margaret Nagle, 207.581.3745

Students, community enhance gardens at Old Town Elementary School

25 May 2017

The grounds at Old Town Elementary School grew a bit lusher this spring when the University of Maine teamed up with members of the local community to build raised garden beds. The garden expansion and improvement project was led by four UMaine sustainable agriculture seniors — Emma Sanchi, Gradeigh Cameron, Ben Nelson and Matt Derrah — for their capstone projects under the guidance of Aaron Hoshide, a faculty associate in UMaine's School of Economics. The students chose the project due to their enthusiasm for helping younger students learn about growing plants and the food system that nourishes them. "This partnership and project between the university and Old Town Elementary School will provide opportunities for outdoor learning, and the garden produce will be used to stock an eventual food pantry for our community," says Renee St. Peter, a teacher at Old Town Elementary School. The project brought together more than 80 people, including Old Town Elementary School students, parents and teachers, and 32 UMaine students including those enrolled in the World Food, Population and Environment economics course. Parks, recreation and tourism senior, Ian Hathaway, designed signs for the garden for his capstone project.

All-State Music Festival participants featured in Daily Bulldog

25 May 2017

[Daily Bulldog](#) published an article on four local students who took part in the 2017 All-State Music Festival at the University of Maine. The music students from Mt. Blue High School participated in the centennial festival that was hosted by UMaine's School of Performing Arts. The festival, organized by the Maine Music Educators Association, brings together more than 500 student musicians representing 92 high schools from around the state for a series of workshops, master classes and performances.

Seacoast Online advances Wells Reserve climate change talk by Fernandez

25 May 2017

[Seacoast Online](#) reported Ivan Fernandez, a professor of soil science and forest resources at the University of Maine, will speak about climate change at 6 p.m. Tuesday, June 27 at Wells Reserve. "Maine's Climate Future — What Do We Do Now?" will focus on the implications of a changing climate for the people and places of Maine, according to the article. At UMaine's Climate Change Institute, Fernandez has assessed Maine's climate, particularly as it relates to the state's natural resource-based economy. In this talk, he will highlight the institute's findings, discuss links between the changing climate and Maine's environment, and outline strategies for adapting based on evidence, the article states. The talk is part of the Wells Reserve's Ted Exford Climate Stewards lecture series. A donation of \$5 is suggested to attend.

Maine Public interviews Brewer about DHHS commissioner's resignation

25 May 2017

Mark Brewer, a political sciences professor at the University of Maine, spoke with [Maine Public](#) after Mary Mayhew announced she is stepping down as commissioner of the state's Department of Health and Human Services. The announcement is spurring speculation about a possible run for governor in 2018, Maine Public reported. Brewer said Mayhew's role in leading Gov. Paul LePage's efforts to cut welfare will play well with his core supporters in the Republican Party and could help her in a primary. And resigning as commissioner, she can start to organize and raise money for a tough campaign, he said. "She can start to cultivate those relationships and make those asks, but I don't think she can nail anything down until there is more certainty to this race," he said. If U.S. Sen. Susan Collins decides to run, she would be favored to win the Republican nomination, Brewer said. If she stays in the Senate, and U.S. Rep. Bruce Poliquin runs, he would likely win the nomination, but could face more serious opposition. Either way, Mayhew would face a tough decision, according to Brewer.

Gabe quoted in BDN article on Monson revitalization effort

25 May 2017

Todd Gabe, an economics professor at the University of Maine, was quoted in the [Bangor Daily News](#) article, "A wealthy group bought the heart of a poor Maine town to build an artist colony." Since October, the nonprofit Libra Foundation has spent \$750,000 buying property in Monson, and plans to spend as much as \$10 million to revive the small rural town, according to the article. Gabe, who has studied the state's economy for 18 years, said Libra will need to work hard to make Monson competitive with other tourist towns. "You have to catch people's eyes," Gabe said. "When people think of Maine, they think of the coast and lobsters. Ever since I have been here, there have been attempts to move tourists from the coast to other parts of the state." The foundation plans to convert houses into artist residences and a community center into studio space. The store would sell art and produce from farms in Piscataquis County, the article states. Gabe, who wrote a book on economic development, said competition will be strong. "A lot of people try to use the arts," he said. "A lot of coastal communities are seasonal, so if places along the coast aren't staying open year-round, given their volume [of visitors], I wouldn't expect that to happen in Monson."

Kersbergen speaks with WMTW about cow diet, greenhouse gas research

25 May 2017

Richard Kersbergen, a University of Maine Cooperative Extension professor based in Waldo County, spoke with [WMTW](#) (Channel 8 in Portland) about research looking at the amount of methane gas emitted from cows and the effects on climate change. Through a partnership with Wolfe's Neck Farm in Freeport and the University of New Hampshire, UMaine researchers are studying how the cow's diet could cut back on the amount of greenhouse gases they release. "We're trying to combat the negative impacts of animal agriculture on the environment with positive contributions," Kersbergen said. The researchers have been feeding the cows seaweed in an attempt to decrease emissions. Even small amounts of dried seaweed introduced into a cow's diet can cut methane gas by as much as 99 percent, WMTW reported. "We're trying to improve sustainability of the livestock industry in the Northeast, and adding seaweed to that diet, if that's one of the components that does it, that's great," Kersbergen said. "That's really what we're trying to do, is to find a way to improve local resources, whether that's seaweed, whether that's a grass crop that they consume or other feed that they're able to grow in the Northeast."

UMaine Extension publications offer tips on grilling, gardening, pest management

26 May 2017

The University of Maine Cooperative Extension offers information and recommendations on a variety of summertime topics, including grilling safety, pest management and gardening. 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](#)
- [Facts on Fiddleheads](#)
- [Vegetables and Fruits for Health: Rhubarb](#)
- [Growing Rhubarb in Maine](#)
- [Growing Peaches in Maine](#)
- [Let's Preserve: Refrigerator Spring Pickles](#)

Two high school teachers newest Francis Crowe Society inductees

26 May 2017

In its annual survey of first-year students, the College of Engineering asks new majors to cite the person who most impacted their education and decision to study engineering. This year, the college is recognizing two of those teachers: Wayne Rathbun of Windham High School and Jamie Bell of Caribou High School. At both high schools, Dean Dana Humphrey is inducting the teachers into the college's Francis Crowe Society as inspirations to future engineers.

Tribute to WWII veterans included in WABI roundup of Memorial Day events

26 May 2017

WABI (Channel 5) included the University of Maine's 1940s theme tribute to World War II veterans in a roundup of Memorial Day events scheduled around the state. Members of the public are invited to attend a free potluck lunch and story-sharing event from noon to 3 p.m. Tuesday, May 30 in the atrium of the D.P. Corbett Business Building. Guests are asked to bring a dish, preferably one that was popular in the 1940s, and dress according to the time period. Guests also are encouraged to share WWII tales, pictures or memorabilia. The event is hosted by the UMaine Office of Veterans Education and Transition Services (VETS) and the Maine Business School.

Camire speaks with BDN about getting fit in midlife

26 May 2017

Mary Ellen Camire, a professor of food science and human nutrition at the University of Maine, was interviewed by the [Bangor Daily News](#) for the article, "Losing weight, getting fit in midlife is a reachable goal." "Our bodies do change as we age," Camire said. A natural tendency toward lower metabolism and a more sedentary lifestyle means most older adults need fewer calories to maintain a healthy weight, she said. But many adults do not change their eating habits, resulting in weight gain, according to the article. Camire, who suggests a diet built on the recommendations of the U.S. Department of Agriculture, said the first step toward successful weight-loss should be to increase physical activity. "From our 30s on, we lose muscle mass steadily unless we're actively working to build it," she said. Allowing healthy muscle tissue to be replaced by fat not only slows the rate at which the body burns food calories, it also destabilizes balance, flexibility and strength, increasing the likelihood of injury and threatening mobility, the article states.

The Atlantic cites Butler's study in article on Maine welfare requirements

26 May 2017

A study by Sandra Butler, a University of Maine social work professor, was cited in an [Atlantic](#) article on the work requirements and time limits Maine added to its anti-poverty programs. Butler's study looked at families hit by the time limit on receiving Temporary Assistance for Needy Families (TANF) benefits. It found that the median income of families that lost assistance was \$3,120 a year. Nearly one in three lost their homes after losing their welfare, and more than one in three said they had a work-limiting disability, according to the article. Nearly 70 percent said they had visited a food bank, with one in three having a utility turned off. One in five got evicted or needed to go to a homeless shelter, Butler's study found.

Two students the first to join UMaine under College of Engineering-Thornton Academy partnership

30 May 2017

Thornton Academy seniors Caleb Bailey and Ben Leary have been accepted into College of Engineering with sophomore status through a first-in-the-state partnership forged to create a pipeline of Maine residents entering the engineering sector. Both students are completing a rigorous curriculum that has included Advanced Placement (AP) courses in chemistry, physics, computer science, calculus, foreign language, the humanities, history/social science and English, as well as an Honors Introduction of Engineering course. First announced in 2013, this unique articulation agreement allows Thornton Academy students to complete 30 college credits, bypassing freshman year — an estimated savings of at least \$24,000. The partnership rewards motivated students with the ability to challenge themselves, reach their full potential, defray college costs, and complete an undergraduate degree in three years. “I commend these two students for completing an entire year of engineering education through the UMaine College of Engineering–Thornton Academy partnership,” says College of Engineering Dean Dana Humphrey. “This shows both the dedication of these students and the high quality education provided by Thornton Academy.” Humphrey formally recognized the accomplishments of the two students at a ceremony held at Thornton Academy May 25. “Maine absolutely needs more engineers. Over Caleb and Ben’s working lifetimes, the challenges that engineers are going to need to solve are immense,” he said. Thornton Academy Headmaster Rene Menard said, “We’re proud of Caleb and Ben and we’re proud of Thornton Academy’s ability to offer a rigorous and comprehensive STEM program. I also want to congratulate Caleb and Ben’s families as we know that few students can achieve success without family support.” Thornton Academy in Saco is a co-educational, private boarding and day school serving grades 6 through 12.

Savoie speaks with BDN about how to enjoy summer harvest all year

30 May 2017

Kathy Savoie, a University of Maine Cooperative Extension educator and professor, spoke with the [Bangor Daily News](#) about how gardeners can use traditional food preservation methods, such as canning, to enjoy the summer harvest throughout the year. “We have seen an increase in the demand for home food preservation education,” Savoie said. “A lot of [interest] lies in wanting to have greater control over knowing what is in the foods that they’re eating. And there is self-sufficiency tied into it as well; having the satisfaction of knowing that they are able to meet their own food needs.” In addition to canning, Savoie said freezing and drying fruits or vegetables are two other ways seasonal foods can be preserved. Savoie oversees the 10-year-old UMaine Extension program that trains master food preserver volunteers who then act as community liaisons on the subject, according to the article. Savoie said she is hopeful that giving consumers the tools to preserve food for future use, will positively affect local growers.

UMaine Extension 4-H Camps awarded grant for summer STEM program

30 May 2017

University of Maine 4-H Camp and Learning Centers at Bryant Pond and Tanglewood were awarded a \$10,000 sponsorship from HughesNet® to offer science, technology, engineering and mathematics (STEM) activities this spring and summer. As many as 300 youth in Maine will participate in the Sky’s the Limit program focusing on researching, designing and building solar-powered cars during their week at camp. Four states — Maine, Florida, Illinois and Virginia — were selected to receive grants as part of the nationwide STEM at Camp initiative offered by HughesNet® and the National 4-H Council. “The HughesNet® grant has allowed us to increase our depth in providing STEM lessons in new and exciting ways to young people,” says Ron Fournier, director of UMaine 4-H Camp and Learning Center at Bryant Pond. “These lessons will have statewide impact once complete.” [National 4-H Council](#) and [HughesNet®](#) are dedicated to sparking youth interest in STEM topics through hands-on, community-based STEM learning. In addition to STEM at Camp, HughesNet® works with the National 4-H Council to support other STEM initiatives, including the 4-H Youth In Action STEM Pillar award, National Engineering Week and National Youth Science Day, the world’s largest youth-led STEM challenge. More information is available [online](#) or by contacting Fournier at 665.2068, ronald.fournier@maine.edu. More information about Maine 4-H also is [online](#).

WVII covers Maine Learning Technology Initiative conference

30 May 2017

[WVII](#) (Channel 7) reported on the 2017 Maine Learning Technology Initiative (MLTI) Student Conference held at the University of Maine. About 1,000 middle and high school students from across the state attended the event, WVII reported.

Hopkins, syrup study cited in Morning Sentinel article on Big Six conservation deal

30 May 2017

Kathy Hopkins, a maple syrup expert with the University of Maine Cooperative Extension, was quoted in the [Morning Sentinel](#) article, “In Big Six conservation deal, one-quarter of Maine maple syrup output at stake.” The Big Six Forest, a 23,600-acre spread along the northern border separating Somerset County and Canada, churns out between 25 and 30 percent of Maine’s maple syrup, according to the article. The future of Big Six’s maple syrup producers is uncertain as a years-long attempt to save the forest runs up against its private landowner’s 2018 deadline to either secure roughly \$5.7 million in conservation easement funds to help pay down his mortgage, or start cutting Big Six’s maples, the article states. Losing that maple production could have a damaging effect on the state’s growing maple industry, said Hopkins, who added that neither she nor UMaine Extension has a position on the Big Six conservation deal. “I think the thing that Mainers need to remember is that (the industry) is growing every year and gaining in popularity with the public every year,” Hopkins said. “You can’t continue your growth if you cut out 25 percent of your output.” The article also cited a 2014 study by UMaine economist Todd Gabe that found the industry directly contributes \$27.7 million in output, 567 full-time jobs and \$17.3 million in labor income to Maine’s economy each year.

UMaine mentioned in AP advance of virtual reality expo

30 May 2017

The Associated Press reported the Maine Department of Education and the Maine State Library will host a free virtual reality expo in Augusta on June 19. The state library will host visitors from local schools and educational organizations, who will learn about new tools, the report states. During the event, UMaine researchers will present HandWaver, a gesture-based program that lets learners use their hands to explore mathematical objects in virtual three-dimensional space, the AP reported. Maine Public, Sun Journal and WABI (Channel 5) carried the AP report.

NCAA funds to be used to add mental health program for athletes, Press Herald reports

30 May 2017

The [Portland Press Herald](#) reported the University of Maine will use a \$640,038 disbursement from the NCAA to add a mental health program to its athletic department. “We want to prioritize mental health care for our student-athletes,” said Lynn Coutts, a senior associate athletic director who is overseeing the implementation of the program. This spring, the NCAA distributed a total of \$200 million to nearly 350 Division I schools for the purpose of providing better support to student-athletes. The NCAA stipulated the money has to be used on new programs or to enhance existing programs, according to the article. “They gave us some flexibility,” said Karlton Creech, the athletic director at UMaine. “But we also needed to show some responsibility.” Creech said the funds will allow the department to make improvements it otherwise wouldn’t be able to. “We ask these student-athletes to put a lot of time and effort into academics, sports performance, the physical part,” Coutts said. “It’s time we put a priority on the mental part of it. It’s the healthy body, healthy mind approach.”

Kennebec Journal speaks with Birkel about climate changes across Maine, severe weather

30 May 2017

Sean Birkel, Maine’s state climatologist and a research assistant professor at the University of Maine’s Climate Change Institute, was quoted in the [Kennebec Journal](#) article, “Climate changes across Maine likely to bring more severe weather.” At a broad level, Birkel studies what has been happening in Maine over time, according to the article. “The historical record shows that in the past century, the total amount of precipitation that falls on an annual basis has increased, and more so in the last 15 years,” he said. “And the mode of delivery has changed — we’ve had more extreme rainfall events.” Birkel is one of the authors of the CCI’s [Maine’s Climate Future: 2015 Update](#). “The climate is in disequilibrium,” he said, and it’s trying to find its balance. Changes in weather patterns have been observed over the last 100 years. Because the observation of the last couple of decades is so different from those that came before, Birkel said that’s where his focus is. “Probably, it’s the new normal,” he said. “We’re grappling with uncertainty, and it’s not easy.” Projections of future climate conditions show that Maine will probably be wetter in coming decades and possibly be subject to more intense storms, the article states.

The Atlantic, Pacific NW Magazine interview Blackstone about deciding whether to have children

30 May 2017

Amy Blackstone, a sociology professor at the University of Maine, spoke with [The Atlantic](#) and Seattle Times’ [Pacific NW Magazine](#) about deciding whether to have children. Today, about 15 percent of women never have kids, according to The Atlantic. “There are not that many people who, early on, say, ‘I definitely don’t want kids,’” Blackstone said. Even the childless are more likely to start out unsure or assuming they will have kids. It’s only over time that they decide against it, the article states. Blackstone told The Atlantic parents and the childfree are driven by similar desires. For instance, they both seek stronger relationships: For people with kids, it’s the parent-child bond, but for people without, “one of the very common reasons they cite is they value their relationship with their partner, and having a child will shift that relationship.” The Pacific NW Magazine article, “The Mom question: Seattle-area women share their complicated decisions,” quoted Blackstone as saying, “The idea of opting not to have children has entered public consciousness in a way that we have not seen previously in our culture. Parenthood is now thought worthy of a thoughtful choice as opposed to the next thing you do.” Blackstone also spoke with [WLBZ](#) (Channel 2) for a report about how women in their 30s are now having more babies than younger women. Blackstone cited societal and economic factors for why more women are waiting to have children. “Parenthood is a very important aspect of people’s identity,” she said. “I mean if you’re going to do it, it should be important to you.”

Conference to share Maine and New Hampshire beach issues, stories and data

30 May 2017

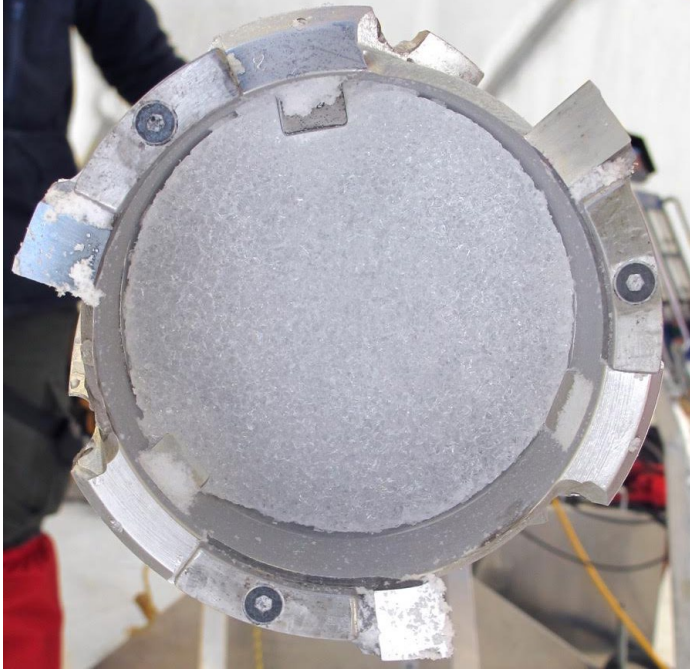
Registration has begun for The Beaches Conference on July 14 at Wells High School. After nearly two decades and 10 events, this year’s conference will include the beaches of both Maine and New Hampshire. The day-long program will include presentations, workshops, field trips, demonstrations and exhibits — all opportunities for people interested in beaches and the coast to learn and share the most current information. This year’s event opens with a “lightning round” of coastal issues that people are talking about, from an overview of erosion threats and ancient coastal shell middens, to beach water quality, public access to the shore, federal flood zone mapping, regional preparedness analysis by the U.S. Department of Homeland Security, and the impact of federal budget proposals on beaches in Maine and New Hampshire. “I am thrilled that the Beaches Conference has expanded to include New Hampshire waters and coast. After several years of looking for the opportunity to make this happen, it is exciting to be able to help fill the coastal informational needs of New Hampshire. Our coastline may be small but it serves critical economic, recreational, and environmental roles for our citizens, municipalities and state,” says conference co-chair Steve Miller of Great Bay National Estuarine Research Reserve. Stories of personal experiences with sea level rise are another new feature. In this session, “Listening for a Change,” a coastal property owner and retired philosophy professor, a coastal property owner and playwright, and a climate scientist will share their diverse perspectives on challenges they have faced to an expected audience of more than 200 people. “Our open invitation for presentation ideas yielded more than 80 submissions from six states and two countries, and included entirely new formats such as an interactive play reading, art making with maps, and a training on new tools for planning professionals,” said program committee chair Kristen Grant, a marine extension associate with Maine Sea Grant and University of Maine Cooperative Extension based at the Wells National Estuarine Research Reserve. The Wells Reserve and Laudholm Trust are hosting a Coastal Social after the conference, featuring local beverages and oysters. The conference program and registration link are available at seagrant.umaine.edu/main-beaches-conference or by calling the Wells Reserve, 207.646.1555 ext. 157. Conference sponsors include Walsh Engineering, Wells National Estuarine Research Reserve and Laudholm Trust, Maine Coastal Program, Maine Sea Grant, New Hampshire Sea Grant, Kennebunk Savings, Great Bay National Estuarine Research Reserve and Stewards, Bangor Savings Bank, Curtis Thaxter, Maine Beaches Association, Maine Boats, Homes & Harbors Magazine, Maine Department of Environmental Protection, Maine Geological Survey, New Hampshire Coastal Program, Piscataqua Region Estuaries Partnership, and Resource Access International. Contact: Kristen Grant, 207.646.1555

Harvard, UMaine study challenges assumptions about ‘natural’ lead levels

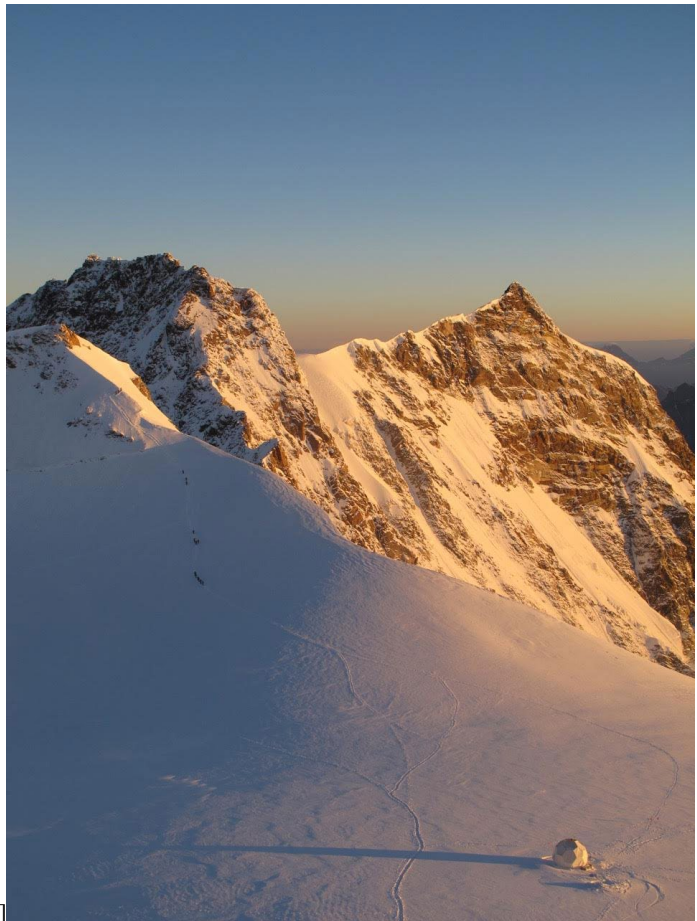
31 May 2017

A new analysis of highly detailed ice core data and historical records shows that human-made lead air pollution has been elevated for approximately the last

2,000 years, except for a four-year period during a devastating pandemic in Europe that halted lead mining. The findings have significant implications for current public health and environmental policy that, so far, have deemed pre-industrial (before 1800) lead pollution levels to be “natural” or presumably “safe.” The study by Harvard University and University of Maine researchers shows that due to the Black Death pandemic — the largest plague epidemic to ravage the European continent in the last millennium — an abrupt cessation in mining activity reduced lead air pollution from 1349 to 1353. This is reflected in ice core data, which researchers say provides evidence that — contrary to common assumptions — the natural level of lead in the air is essentially zero. “These new data show that human activity has polluted European air almost uninterrupted for the last ca. 2000 years,” the study’s authors wrote. “Only a devastating collapse in population and economic activity caused by pandemic disease reduced atmospheric pollution to what can now more accurately be termed ‘background’ or natural levels.” The work, an interdisciplinary collaboration led by historians and climate scientists at Harvard and the University of Maine, matched new high-resolution measurements of lead in an ice core taken from a glacier in the Swiss/Italian Alps with highly detailed historical records, showing that lead mining and smelting activity plummeted to nearly zero during four years of the plague. “This research represents the convergence of two very different disciplines, history and ice core glaciology, that together provide the perspective needed to understand how a toxic substance like lead has varied in the atmosphere and, more importantly, to understand that the true natural level is in fact very close to zero,” says Paul Mayewski, director of the UMaine [Climate Change Institute](#) and co-author of the study. [caption id="attachment_55459" align="alignright" width="450"]



University of Maine and Harvard University researchers matched high-resolution measurements of lead from this ice core with highly detailed historical records to show that lead mining and smelting activity plummeted during four years of the plague.[caption] The project, which also involved collaborators from [Heidelberg University](#) and the [University of Nottingham](#), shows that lead levels declined precipitously in a section of the ice core corresponding to that four-year window of time, a decline unparalleled in the last 2,000 years of European history, says [Alexander More](#), a postdoctoral fellow in Harvard’s [Department of History](#) and at the [Initiative for the Science of the Human Past](#). More was first author of the paper on the research published in *GeoHealth*, a journal of the [American Geophysical Union](#). The authors challenge assumptions that widespread environmental pollution began with the Industrial Revolution (after ca. 1800), where some scholars recently have placed the beginning of a new era dubbed the “Anthropocene.” Such studies, and policies based on them, maintain that lead air pollution in the pre-industrial world represented natural or background levels. This research, however, shows that lead from mining and smelting — which has occurred for thousands of years — was detectable well before the Industrial Revolution. Only when such activities were essentially halted by the plague pandemic did lead pollution in the air decline to natural levels. “When we saw the extent of the decline in lead levels, and only saw it once, during the years of the pandemic, we were intrigued,” says More, who also is a postdoctoral fellow with the Climate Change Institute. “In different parts of Europe, the Black Death wiped out as much as half of the population. It radically changed society in multiple ways. In terms of the labor force, the mining of lead essentially stopped in major areas of production. You see this reflected in the ice core in a large drop in atmospheric lead levels, and you see it in historical records for an extended period of time.” Mayewski adds, “Sadly, if you kill off half the population of Europe, everything stops. It’s tremendously important because it shows the impact of an abrupt disease event.” The research, backed by the [Arcadia Fund of London](#), the [W. M. Keck Foundation](#) and the [National Science Foundation](#), was enabled, in part, by the development of a more precise instrument to analyze ultra-thin layers of ice contained in the core. Designed and operated at the Climate Change Institute, the [W. M. Keck Laser Ice Facility](#) can analyze ice layers thin enough to coincide with sub-annual time periods, even in highly compressed ice. Study co-authors Nicole Spaulding, Pascal Bohleber, Michael J. Handley, Elena V. Korotkikh, Andrei Kurbatov, Sharon Sneed and Mayewski at UMaine produced and analyzed millions of datapoints from the ice core, an effort that ushers in a new era in climate research. “Using the ultra-high resolution ice core sampling offered through our W.M. Keck Laser Ice Facility, we expect to be able to offer new insights, previously unattainable with lower-resolution sampling, into the links between climate change and the course of civilization,” says Mayewski. The findings are troublesome, he says. Before this project, Mayewski says the natural level of lead in the atmosphere had not been documented. More says the researchers chose to examine lead in the ice core because it’s a dangerous pollutant and because it serves as a proxy for economic activity, ramping up when the economy is growing and tailing off when it declines. “Lead is one of the most dangerous pollutants in the air, and one we’ve mined for a very, very long time; it was ubiquitous in the pre-industrial world, widely used in construction, pipes, currency and everyday utensils,” More says. “It is one of the first things we studied because of its role as an economic proxy and its impact on human



health.” [caption id="attachment_55461" align="alignright" width="450"]

In 2013,

researchers from Heidelberg University, the University of Bern and the University of Maine retrieved an ice core from the Colle Gnifetti glacier in the Swiss/Italian Alps. [caption] The study benefited from the archaeological and historical expertise of [Michael McCormick](#), chairman of the Initiative for the [Science of the Human Past at Harvard](#), and [Christopher Loveluck](#) of the University of Nottingham, a former visiting professor at Harvard. McCormick, Loveluck, More and others analyzed an extensive collection of detailed written records that contain information about economic activity, epidemics, climate events and food shortages in Europe. “It’s crucial to acknowledge the contribution of our wonderful undergraduate and graduate [students](#), who worked hard to help the whole team build the critical geodatabases of historical climate records that are playing such a role in our ongoing analyses,” says McCormick. The research highlighted other, lesser drops in lead accumulation in the ice core: one in 1460, which the authors show also may have been due to an epidemic-related downturn; a second during another economic slowdown in 1885 and, most recently, beginning in the 1970s, when abatement policies phased out leaded gasoline and other sources of anthropogenic air pollution. [Philip Landrigan](#), dean of global health for the [Icahn School of Medicine at Mount Sinai Medical Center](#) in New York City, who has studied the epidemiology of lead poisoning in children, says the work highlights today’s good news/bad news situation of lead in the environment. While widespread contamination due to leaded gasoline, lead paint, lead solder and other common modern-era applications has been curbed by government regulation, the recent crisis of tainted water in Flint, Michigan shows that lead continues to poison children in America and elsewhere. One recent estimate, says Landrigan, who did not participate in the research project, holds that some 535,000 American children younger than 6 years old have elevated blood lead levels. The new research, which Landrigan calls “meticulously well-done,” also reinforces the [World Health Organization](#) and the [Centers for Disease Control and Prevention](#)’s recent statements that no level of lead can be considered safe in children. “Lead is toxic to the brain at extremely low levels,” says Landrigan, who, while working with the CDC in the 1970s, investigated lead poisoning in children near a Texas lead smelting plant. “It’s clear that lead has lasting effects on children’s lives.” The research follows similarly collaborative [work](#) presented a year ago that also coupled ice-core data with historical records to help explain the Black Death’s high death toll. That [work](#) showed that a famine that struck Europe in the years prior to the plague’s arrival was likely much longer and broader geographically than previously understood. Caused by unusually cool, wet weather, it likely led to multi-year food shortages that could have weakened the population before the plague ravaged the continent. The same ice core — taken by scientists from Heidelberg University, the University of Bern and the CCI — from the Colle Gnifetti glacier high in the Alps, was used in both projects. With the precision afforded by the CCI’s next-generation laser facility, the ice core still holds much more data that, when combined with historical sources and established methodologies, can lead to new discoveries in the fields of climate science, the history of human and planetary health, and economic history. “The amount of data that has come out of this ice core is unprecedented,” More says. “This trans-disciplinary approach is an exciting new way to do research and expand our understanding of known events and sources in a new dimension.” Contact: Alexander More, 617.417.5608; Beth Staples, 207.581.3777

UMaine education professors working behind bars with female inmates at Penobscot County Jail

31 May 2017

University of Maine’s College of Education and Human Development, Riverside Adult Education Partnership and Literacy Volunteers of Bangor have teamed up to provide much-needed educational opportunities for female inmates at Penobscot County Jail. The pilot program called “What Now? What’s Next?” lets the women choose from a menu of services, ranging from help with completing high school and preparing for college, to child development and parenting classes, to one-on-one tutoring in reading and writing. It’s the result of nearly a year’s worth of planning by the three organizations. “This all started after I had a conversation with Sheriff Troy Morton about his need to provide more educational services inside the jail,” says Matt Tardie, director of the Riverside Adult Education Partnership, which provides academic, personal enrichment and vocational skills courses at schools in the Orono, Old Town and Hampden school districts. “I approached Literacy Volunteers to see if we could partner on something, because I was familiar with the great work they do, and

they brought in the College of Education and Human Development,” Tardie says. Literacy Volunteers of Bangor provides free English language tutoring to about 300 adults in the Bangor area. The nonprofit has a longstanding working relationship with the college, says executive director Mary Marin Lyon. “A more literate community is one that is stronger, safer and more vibrant,” Lyon says. “With 75 percent of state prison inmates lacking a high school diploma or classified as low literate, we know that this work is another way we can have a positive effect on our community.” One of the services offered through “What Now? What’s Next?” is a writing group, led by University of Maine literacy professors Dee Nichols and Susan Bennett-Armistead. To date about 30 women have participated in the group, which, in addition to teaching writing skills, allows them to tell their personal stories. “Literacy can expand opportunities,” Bennett-Armistead says. “It’s a powerful motivator to know that they can share their stories and that their stories have value.” Nichols says the pilot program is a quintessential example of a land grant university’s service mission. “The community has a need, they turn to the university, and the university helps the community solve the need,” Nichols says. Other services offered by the UMaine team include child development and parenting classes, which are provided by Associate Professor of Education Sid Mitchell and doctoral student Janet Nichols. “We teach them what normal childhood development looks like,” Mitchell says. “For example, a lot of them know that it’s normal for a baby to cry, but they need that validated and reinforced. So, that’s what we help them with, just learning how children develop and how understanding that can make them better parents.” Rachel Sirois, a junior pursuing a teaching degree, also is working on the project, which will be a focus of her honors thesis. Now that the pilot program is underway, the team is looking at how to help the women once they move on from the jail. Most of the inmates housed at Penobscot County Jail are pre-trial, so there’s a good deal of turnover. They have started providing them with a list of resources for re-entry, including information on how to access services through Riverside Adult Education and Literacy Volunteers on the outside, as well as services for domestic violence and sexual assault, addiction, and children with special needs. Contact: Casey Kelly, 207.581.3751, casey.kelly@maine.edu

Lincoln County News describes UMaine-assisted balloon launch

31 May 2017

[The Lincoln County News](#) covered the launch of a high-altitude balloon carrying experiments of students at Jefferson Village School and Bristol Consolidated School. The launch was part of the Maine Space Grant Consortium’s Maine Student High Altitude Platform Program, designed to increase student interest in STEM. Richard Eason, a University of Maine associate professor in the Electrical and Computer Engineering Department, assisted with the launch with colleague Andy Sheaff and undergraduate students Derek Haas and Cameron Sullivan, according to the paper. Eason said the balloon rises about 1,000 feet per minute and can reach an altitude of 120,000 feet. A GPS in one of the balloon’s payload boxes allows the balloon to be tracked. “This is our 66th balloon launch and we haven’t lost a payload,” Eason said. “The prediction is it will end up near Ellsworth.” Eason said when the balloon pops, the payload returns to Earth with the aid of a parachute.

Camire comments on white asparagus for Tribune News Service

31 May 2017

Mary Ellen Camire, professor of food science and human nutrition at the University of Maine, spoke with the Tribune News Service for a column about white asparagus that appeared in the [Portland Press Herald](#). White asparagus grows in the absence of light under mounds of soil so the spears don’t have the opportunity to undergo photosynthesis. Camire said the “vampire vegetable” requires a vegetable peeler because it “has a thicker skin than we’re used to with the green asparagus,” adding the white variety probably became thicker skinned because of its immersion in soil. She described the taste experience as “gentler and creamier.” Camire said there hasn’t yet been much testing of white asparagus for nutritional quality but that it’s likely similar to green asparagus—which means it’s loaded with vitamins and a good source of antioxidants, according to the article.

Sandweiss speaks with ScienceNews about Peru migration

31 May 2017

University of Maine archaeologist Daniel Sandweiss talked with [ScienceNews](#) about new findings that indicate the earliest settlers of the Americas perhaps curtailed their coastal migration to stay in the area that’s now northwestern Peru. Excavations at two seaside sites in Peru determined that people intermittently stayed there from about 15,000 to 8,000 years ago, according to anthropologist Tom Dillehay of Vanderbilt University. Remains of avocado, beans and chili peppers at ancient campsites — foods that were gathered or grown at inland locations — suggest that people transported these foods to the coast, according to the article. Sandweiss said that accumulating evidence supports the notion that early Americans favored the coast over an inland existence. An ice-free corridor into North America’s interior may not have formed before 12,600 years ago, after people had reached Peru and Chile.

WABI covers Clam Cam project

31 May 2017

WABI (Channel 5) covered a project by a University of Maine professor and two students that shares the unique way of life and some of the challenges of people who harvest clams for a living on the coast of Maine. For the Clam Cam project, clam harvesters from Freeport to Roque Bluffs wore chest-mounted GoPro cameras to give people a glimpse into what is involved getting clams from the mud to the market. “It is the second or third largest fishery in the state,” said Bridie McGreavy, an assistant professor in the Department of Communication and Journalism. “In 2015, it brought in \$22 million in landings. So, economically it’s really valuable to coastal communities. But, it’s also socially and culturally valuable as well.” Tyler Quiring, a Ph.D. student in communication said, “Our research and the [website](#) that we’re building will be able to start a conversation. People will be able to see a little bit more clearly what it’s like to dig clams and hopefully be able to contribute to the sustainability of the industry as a result.” Carter Hathaway, a 2017 UMaine graduate with a bachelor’s in journalism, also collaborated on the project. [Mainebiz](#) also reported on the project.

WABI reports on UMaine tribute to WWII veterans

31 May 2017

WABI (Channel 5) reported on the University of Maine’s 1940s theme tribute to World War II veterans. The event, hosted by the UMaine Office of Veterans Education and Transition Services (VETS) and the Maine Business School, included a free potluck lunch and sharing of stories. Veterans of the Korean War

and Vietnam War, and people currently in the armed forces, also attended. World War II veteran Carmine Pecorelli said he enlisted after learning that Pearl Harbor had been bombed. “That was a Sunday. That following Monday, American men and women, there were lines around the recruiting stations, Army, Navy, Marine Corps. Everyone wanted to enlist, including me,” he said. [WVII](#) (Channel 7) also covered the event.

In a warmer world, expect the wet to get wetter and the dry to get drier

31 May 2017

As the world warms due to human-induced climate change, variations in the global distribution of rainfall can be expected, impacting water resources in many places on Earth, according to a new study published in the journal *Science Advances*. The researchers, led by University of Maine glacial geologist Aaron Putnam, predict a seasonal response in rainfall patterns as a result of overall global warming. During the boreal, or northern hemisphere’s, summer, wet areas will get wetter and dry areas will get drier. However in the boreal winter, the Earth’s thermal equator, which governs the location of the planet’s rain belts and dry zones, will migrate northward as a response to differential heating between the hemispheres. As a result, areas in the tropics will become much wetter and the drylands of the western United States, inner Asia and the Middle East will become even drier. Putnam, a professor of Earth and climate sciences, and co-author Wally Broecker, Newberry Professor of Geology at the Lamont-Doherty Earth Observatory at Columbia University, find support for their predictions in the paleoclimate records that chronicle the abrupt warming of Earth’s climate during the transition out of the last ice age nearly 15,000 years ago. As the Earth abruptly warmed at the end of the last ice age, sea ice in the northern hemisphere rapidly declined as Antarctic sea ice expanded. As a result, the northern hemisphere warmed more quickly than its southern counterpart. The temperature contrast between the two hemispheres caused the thermal equator and the associated tropical rain belt and the mid-latitude jet streams to shift northward. This shift caused widespread changes in global precipitation, write the authors. A similar situation may be setting up. Over the past 50 years, the middle and high latitudes in the northern hemisphere have warmed roughly twice as much as the corresponding latitudes in the southern hemisphere, and this disparity may continue to grow as Arctic sea ice continues to decline. A smaller, seasonal north-south migration of the thermal equator occurs today. During the boreal summer months, the tropical and mid-latitude rain belts migrate north as the northern hemisphere warms. As it cools during the boreal winter months, the rains return south. However large-scale or abrupt heating and cooling events can force the migration for longer periods of time. Paleoclimate records derived from polar ice cores, ocean and lake sediments, and even subterranean cave deposits throughout the world document the northward migration of the rain belts and paint a picture of widespread and long-term hydrological changes during an abrupt period of warming, known as the Bolling-Allerød, which lasted from about 14,600 to 12,700 thousand years ago. In South America, areas on the northern extent of the tropical rain belt, near modern Venezuela show evidence of increased precipitation through amplified riverine runoff into the Cariaco Basin. While areas in northern South America became wetter, rivers in eastern Brazil slowed considerably and the large ancient Lake Tuaca in the Bolivian Andes dried up to a mere fraction of its Late Glacial Maximum size due the decline in Brazilian rainfall. Areas in the mid-latitudes of the North America also show hydrological changes beginning at the same time. The level of Lake Lahontan in Nevada dropped significantly and stalagmite records in other areas of the American southwest suggest a sharp decline in winter precipitation. On the other side of the Atlantic, sediment cores recovered from Lake Victoria suggest that it was completely dry before the northward migration of the thermal equator. Increased precipitation in East Africa after 14,600 years ago recharged rivers and caused the lake to fill. In addition, geochemical evidence in stalagmites in Chinese caves as well as Greenland ice cores suggest an abrupt strengthening of the South Asian monsoons. During a period of abrupt cooling known as the Little Ice Age from 1200 to 1850 A.D., this pattern reversed. During the Little Ice Age, the thermal equator shifted southward as a result of global cooling. The South Asian monsoons weakened and precipitation in the Peru increased. Further evidence of a southward shift of the tropical rainbelt can be found in lake sediment cores from small islands in the equatorial Pacific. These records suggest that during the Little Ice Age, the rainbelt was displaced nearly 800 kilometers south of its current position. While long-term migrations of the thermal equator are tied to the differential heating of the hemispheres, a warmer atmosphere, in general, will cause global precipitation to become increasingly focused on the tropics. Tropical areas will receive more net precipitation, but will do so at the cost of drier areas becoming more arid. If the atmospheric conditions of the Bolling-Allerød can be used to predict what will happen to global rainfall patterns under human-induced greenhouse warming, we are likely to see significant changes to seasonal precipitation throughout the world. Putnam and Broecker predict that as the atmosphere warms more quickly in the north than in the south, the thermal equator and tropical and mid-latitude rain bands will continue to march northward and migrate less-so south during the boreal winter months. Contact: Beth Staples 207.581.3777; Walter Beckwith 207.504.6073

Rogers Farm site of new foodscaping garden, weekly open houses

01 Jun 2017

University of Maine Cooperative Extension Master Gardener Volunteers (MGV) will offer weekly open house sessions 5:30–6:30 p.m. beginning June 6 at Rogers Farm in Old Town. The UMaine Extension Penobscot County MGV Demonstration Garden — which features 34 different theme gardens, including the new foodscaping garden — is open to the public during daylight hours. The foodscaping garden, designed and planted by the newest UMaine Extension MGV class, contains edible and ornamental All-America Selection (AAS) winners as well as groupings of plants that pair well in recipes. “Since the majority of the produce grown in the garden is donated to area food pantries and shelters — over 4,000 pounds were donated in 2016 — it’s important that we offer easy, low-cost cooking tips for recipients to enjoy this fresh, local food,” UMaine Extension horticulturist Kate Garland says. “These volunteers did an excellent job meeting both a design challenge and the very practical need of making unfamiliar produce approachable to a wide variety of consumers.” Open house sessions continue weekly Tuesday evenings throughout the growing season. Extension vegetable and small fruit specialist David Handley will present Growing Backyard Blueberries on Aug. 1. All programs are free and take place rain or shine. Registration is not required. For more information or to request a disability accommodation, call 942.7396 or email laurie.bowen@maine.edu. More information is [online](#).

UMaine Extension cited in BDN article on fiddlehead dishes

01 Jun 2017

The University of Maine Cooperative Extension was mentioned in a [Bangor Daily News](#) article about the wild edible ostrich fern green that is being worked into a variety of appetizers and main dishes in restaurants around the state. While nearly all ferns do have a “fiddlehead,” according to UMaine Extension, it’s those of the ostrich fern variety — scientifically known as *Matteuccia struthiopteris* — that are the most prized, the article states. UMaine Extension’s “[Facts on Fiddleheads](#)” also were included in a [Morning Sentinel](#) column.

Shaler quoted in Press Herald feature on Adirondack chairs

01 Jun 2017

Stephen Shaler, the director of the School of Forest Resources at the University of Maine, spoke with the [Portland Press Herald](#) for a feature on Adirondack chairs. The article looked at the different types — plastic and wood — that are available, as well as their environmental impacts. One important factor that should be included in a well-rounded life cycle analysis of a chair is how much use it gets, according to Shaler. “You have to define what the functional unit is,” he said. In this case, it would be the number of hours of use the chair gets or the number of enjoyable hours you spend in the chair, according to the article. “You never use the plastic one, so maybe it gets used for three hours, and the wood chair gets used for 30 hours,” Shaler said. It’s getting 10 times the use, and that increased functionality should be a factor in the overall equation about the chair’s impact. The chair you love will probably stick around the property longer than the chair you merely like, the article states.

WABI covers Swan’s Island travel-study course

01 Jun 2017

WABI (Channel 5) recently reported on University of Maine students who spent a week on Swan’s Island as part of a May Term travel-study course. “Maine Island Culture and Community Engagement” is a service-learning class where students volunteer part of each day at local organizations and businesses on Swan’s Island, located about six miles south of Mount Desert Island. The idea is for students to immerse themselves in a place with a distinct culture. Annette Nelligan, a lecturer in counselor education and one of two instructors for the course, told WABI some students don’t think Maine’s culture is very diverse. “So we came up with the idea of introducing them to the different cultures that exist in Maine. For example, showing them that island culture is different from the culture in Aroostook County and the culture in Portland,” she said. Fourteen students, both undergraduate and graduate, took the course during its second year.

Press Herald interviews Dill about confirmed cases of rare tick-borne virus

01 Jun 2017

Griffin Dill, an integrated pest management professional with the University of Maine Cooperative Extension, spoke with the [Portland Press Herald](#) for an article about two confirmed Maine cases of the Powassan virus, which is transmitted primarily through deer tick bites. Both midcoast Maine residents were hospitalized with encephalitis in late April but have since been released and are recovering, according to the article. Dill said ticks are becoming more and more a part of life in Maine. “We’ve created the right conditions for them to be prevalent and, because it’s Maine, we’re out there with them,” he said. “We don’t want people to be afraid to go outside. It’s just something to be aware of so we can take precautions.” Dill, who runs UMaine Extension’s tick ID program, said he has analyzed about twice as many tick submissions this year as he had at this time last year. UMaine Extension’s free tick identification service also was mentioned in reports by WABI (Channel 5), WLBZ (Channel 2) and [VillageSoup](#).

USA Today, Climate Central report on Putnam’s rainfall study

01 Jun 2017

[USA Today](#), [Climate Central](#), [Popular Science](#) and [Climate News Network](#) reported on a new study led by University of Maine glacial geologist Aaron Putnam. The study, published in the journal *Science Advances*, found as the world warms due to human-induced climate change, variations in the global distribution of rainfall can be expected, impacting water resources in many places on Earth. The research suggests climate change will alter where rain falls around the world, making wet areas wetter and dry areas drier, especially in the summer, USA Today reported. The world’s rainiest areas may also push north during the winter, said Putnam, who added the redistribution of rainfall is worrisome as it would affect water availability for people around the world. NASA climate scientist Kate Marvel, who wasn’t involved with the study, told Climate Central the study “adds to the large body of evidence that climate change is going to mess with the large-scale motions of air and water in the atmosphere. And this matters, because those patterns largely determine where it’s rainy or arid, broadly speaking.” [Scientific American](#) and [Beloit Daily News](#) carried the Climate Central report. Columbia University’s [Earth Institute](#) also reported on the study.

UMaine researchers create U.S. community renewable energy website

02 Jun 2017

A database of more than 6,000 community-based renewable energy projects nationwide developed by University of Maine researchers is now online. The website will aid those interested in pursuing group, shared, municipal or nonprofit energy projects to connect, learn from each other and develop. “Community energy is a growing movement in the U.S. and around the world,” says assistant professor Sharon Klein of the UMaine School of Economics and lead scientist on the project. “People are adopting sustainable energy technology and strategies — renewable energy, energy efficiency, conservation — in groups and/or on shared property, in contrast to the traditional individual adoption.” The U.S. Community Energy Website ([USCEW](#)), developed through a grant from the UMaine Senator George J. [Mitchell Center](#) for Sustainability Solutions, provides a centralized knowledge base of existing projects and contacts that can support research and reduce barriers to, and improve opportunities for, community renewable energy. Community renewable energy, including solar, wind, geothermal, hydropower and biomass, emphasizes the importance of meeting growing energy needs of present and future generations, while addressing social, environmental, economic and technological challenges. Traditional renewable energy regulations, policies and programs in the U.S. often focus on individual choices operating in isolation. However, approaches that consider collective action and the relationships among individuals, technological information and social institutions may be more effective at advancing widespread renewable energy technology because they build on the power of shared knowledge, trusted networks and existing communities. “Now that the website and associated database are publicly available, we hope people with direct knowledge of community renewable energy projects will add new project information or correct information on projects already in the database to keep it growing, accurate and current,” Klein says. “We want people to login and get involved, not just look at the site.” The site includes a list of 6,334 community renewable energy projects that can be sorted and filtered to differing levels of specificity. From the homepage, visitors can create a free account and login to add a new project or request access to update information on an existing project. This is a key feature Klein and her team are hoping people will use to keep the website current and growing. Registered users also can download the full data set into a spreadsheet. The site has a Facebook link, and more social media options will be added to help people connect with individuals and information that can help them start their own community renewable energy projects. Contact: David Sims, 581.3244

UMaine scientists appear in iSWOOP video

02 Jun 2017

The University of Maine is well represented in an [iSWOOP](#) (interpreters and Scientists Working On Our Parks) video that highlights the importance of scientists to national parks, including Acadia National Park. Martha Merson's three-minute video includes footage of assistant professor Jacquelyn Gill speaking at a public event, doctoral candidate Kit Hamley coring, and alum Nickolay Hristov (now a bat biologist at Winston Salem State University) examining a Joshua tree. In addition, some equipment in the video, including a virtual reality headset, is that of ASAP Media Services, a student-operated New Media research and development organization at UMaine. With compelling videos, iSWOOP seeks to provide thousands of people with the ability to experience aspects of national parks that generally aren't visible, including the tagging of peregrine falcons in Acadia National Park. One of iSWOOP's goals is to reimagine the national park experience for scientists, interpreters and visitors to create a shared investment in some of the nation's most beautiful spaces. Merson's iSWOOP video featuring UMaine researchers placed sixth in the Public Choice category of the 2017 STEM for ALL Video Showcase, sponsored by the National Science Foundation. The video showcase highlights innovative federally funded research that improves education in science, technology, engineering and mathematics.

UMaine report cited in Sun Journal article on Maine's changing climate

02 Jun 2017

A University of Maine report was cited in the Sun Journal article, "Maine's climate already changing, with more to come." "Maine's Climate Future: 2015 Update," by the Climate Change Institute and Maine Sea Grant at UMaine, lays out a troubling scenario for a state that depends on tourism, recreation, logging, farming and fishing — all of which are likely to be affected if scientific projections are correct, the article states. Information from the U.S. Climate Divisional Dataset cited in the UMaine study shows the state's warm weather season is two weeks longer now (34 weeks) than it was a century ago (32 weeks). By mid-century, the study projects the warm weather season, when temperatures are always above freezing, will last 36 weeks.

Adult fitness, wellness camp discussed on WABI

02 Jun 2017

Caitlin Caserta, the assistant director of fitness at University of Maine Campus Recreation, visited the studio of WABI (Channel 5) to talk about the upcoming Body and Mind Adult Fitness/Wellness Camp. The camp, which is for adults 55 years of age or older, will include wellness, fitness and falls-risk assessments; ideas for safe, at-home workouts; and meal planning. "We do want folks of all abilities to come and enjoy a fun day of learning and meeting new people," Caserta said. The daylong camp will be offered 9 a.m.–4 p.m. Saturday, June 3. Registration is available at the New Balance Student Recreation Center or by calling 581.1082.

Mayewski, Gill speak with Press Herald about withdrawing from climate accord

02 Jun 2017

The [Portland Press Herald](#) spoke with Paul Mayewski and Jacquelyn Gill, researchers at the University of Maine's Climate Change Institute, about President Trump's decision to withdraw from the Paris climate accord. Mayewski, director of the CCI, said that while countries such as China are taking steps to reduce carbon emissions, the U.S. stands to lose credibility because it remains the second-largest producer of carbon dioxide in the world. He said Mainers could be harmed by the president's decision. As temperatures continue to rise and weather patterns become more unstable, extreme heat will make more people vulnerable, especially the sick and the elderly. Climate change also will impact tourism and lobstering, Mayewski said, and health care costs also could increase. "I'm disappointed in the lack of leadership on climate change at the national level, but I hope that people don't see this and think that all is lost because that is not true," Gill said, adding the responsibility for fighting climate change now falls on state and local groups. There is hope, she said, because companies are starting to embrace the movement away from dependence on fossil fuels and investing resources in renewable energy. Mayewski also spoke with the [Bangor Daily News](#) for an article on the topic.

Huffington Post publishes International Family Day opinion piece by Blackstone

02 Jun 2017

Amy Blackstone, a sociology professor at the University of Maine, wrote an opinion piece for the [Huffington Post](#) titled, "Recognizing childfree families on International Family Day." Blackstone conducts research on the decision not to become a parent. She and her husband maintain the blog, "We're {not} having a baby! childfree adventures in a child-centric world."

Biddle speaks with The 74 about rural education gap

02 Jun 2017

Catharine Biddle, an assistant professor of educational leadership at the University of Maine, spoke with [The 74](#) for the article, "Solving the rural education gap: Experts weigh in on new report's findings tying gap to prosperity." A study by the U.S. Department of Agriculture's Economic Research Service determined that whether students in rural public school districts graduate and how they fare in the workforce, are linked to their rural education experiences. Between 2000 and 2015, urban adults with at least a bachelor's degree jumped from 26 to 33 percent, while the share in rural areas grew from 15 to 19 percent, according to the study. Biddle said she wasn't surprised by the data, adding rural areas have traditionally been structured differently, in ways that provide resources to urban areas and support the larger economy. Biddle said it's past time to reconfigure what's offered in rural districts to what is needed in the workplace. Education in rural places is "complicit in the systems that are making it difficult for people to live sustainably in rural communities today," she said. Spurring economic development in rural areas is a large-scale policy challenge that will require business leaders, elected representatives, educators, and families to work together, Biddle said. "Policymakers have not given traditionally rural areas a great deal of thought when they're putting policies together," she said. "There's been this kind of laissez-faire attitude to these areas, and I think there is a feeling, at least within the communities that I've worked in, that without those supports, it's hard to figure out how to move forward."

Media report on Harvard, UMaine study on human-made lead air pollution

02 Jun 2017

[The Guardian](#), [Smithsonian](#), [Atlas Obscura](#), [Daily Mail](#), [UPI](#), [Herald](#), [Energy and Environment News](#), [Gizmodo](#) in Australia and [Clean Malaysia](#) reported on a new analysis of ice core data and historical records that shows human-made lead air pollution has been elevated for approximately the last 2,000 years, except for a four-year period during a devastating pandemic in Europe that halted lead mining. Scientists from Harvard University and the University of Maine examined an ice core taken from the Alps to see how atmospheric lead pollution changed over time, [Atlas Obscura](#) reported. In 2,000 years they noticed just one large drop in lead levels — in the middle of the 14th century, when the Black Death swept through Europe. At that time, the lead concentration in the atmosphere basically dropped to zero, which should perhaps be considered the new “natural” and “safe” level of lead contamination in the air, the article states. The researchers observed two other notable dips in lead. One came around 1460, corresponding to another epidemic. The other began in the 1970s, as a result of regulations banning lead in gasoline, among other policy changes, according to the article. [American Geophysical Union](#) also issued a news release on the study.

WCSH interviews Wahle about Gulf of Maine lobster population

02 Jun 2017

[WCSH](#) (Channel 6 in Portland) spoke with Rick Wahle, a research professor at the University of Maine’s Darling Marine Center, about concern over whether the state’s record lobster catches can be sustained. Wahle said warmer water in the Gulf of Maine has been one factor in the big jump in lobster landings, as well as a reduction in the number of predators and conservation efforts. However, Wahle said the annual lobster settlement survey, which he began several decades ago, shows there are fewer juvenile lobsters settling on the ocean bottom. “The question is how long will this big surge last? And the indicators based on the settlement index is there may be a downturn coming and those indicators are pretty widespread,” he said. “We are concerned about the potential for decline. We’re seeing, and have seen for the past six or seven years, widespread declines in settlement.” Wahle also spoke with Maine Public and [Boothbay Register](#) about the 2016 update of the American Lobster Settlement Index. [Mount Desert Islander](#) also cited UMaine predictions in an article on a commercial lobster and crab license waiting list. The 2017 UMaine forecast shows lobster landings declining slowly over the next decade, the article states.

Despite record-breaking harvests, study finds baby lobster population continues to decline in Gulf of Maine

02 Jun 2017

Despite an abundance of egg-bearing adult lobsters and record-breaking harvests, the number of young lobsters continues to fall in the Gulf of Maine. That’s the 2016 update from the American Lobster Settlement Index (ALSI), an international monitoring program founded in 1989 by University of Maine marine scientist Rick Wahle. The ALSI, a collaboration between fishermen and scientists, annually quantifies the population of newly settled American lobsters (*Homarus americanus*) at more than 100 sites in lobster-producing regions of New England and Atlantic Canada. In the Gulf of Maine, most monitoring sites from Beaver Harbour, New Brunswick to Cape Cod Bay reported some of the lowest settlements since the late 1990s or early 2000s. This trend of high egg production but declining numbers of baby lobsters has been occurring since about 2007. Scientists and fishermen seek to better understand the changing lobster population and what those changes could mean for the marine economy. “If we were to see a collapse in the lobster catch, it would mean that we’re already seven to eight years into a decline in the population,” Wahle says. “Through ALSI, we can get an early warning of what might happen to the catch.” New England lobster landings have recently been stronger than ever; 80 percent of the landings came from the Maine coast and about three-quarters of the state’s overall fishery value comes from lobster, so “a downward trend in lobster production could significantly impact the state’s coastal economy in the future,” says Wahle, a research professor in the School of Marine Sciences based at the Darling Marine Center in Walpole. A new data time series is shedding light on the conundrum of falling settlement at a time of increased egg production. Plankton monitoring off the New Hampshire coast since the 1980s has indicated the abundance of early-stage lobster larvae rises in sync with the surge in broodstock, as would be expected, Wahle says. But the number of late-stage larvae has been decreasing since about 2007, which strongly correlates with the downward trend in seafloor settlement at multiple ALSI monitoring sites from midcoast Maine to Cape Cod Bay. Wahle says this suggests recent heightened levels of larval mortality during the monthlong gauntlet between the first and last lobster larval stage before settlement. Larval lobsters hatch in the early summer. Released into the water, they become better swimmers in the currents. Four to six weeks later, the larvae mature to the post-larval stage and settle on the seafloor. Changes in quantity or quality of the food that lobster larvae eat could be a mortality factor, Wahle says. The downward trend in lobster settlement parallels the declining abundance of the also-monitored copepod *Calanus finmarchicus*, which is food for larval lobsters. Wahle says an increase in waterborne predators of lobster larvae and copepods also could explain the decline in both populations and explain why fewer baby lobsters survive to settle on the seafloor. “Clearly, we need to better understand these linkages to know whether larval food supply could be a limiting factor in recruitment of Gulf of Maine lobster and the implications of these trends for the future of the fishery,” he says. To learn more about the ALSI and read the annual updates, visit the Wahle Lab [website](#). Wahle is co-chair of the [11th International Conference & Workshop on Lobster Biology and Management](#) June 4–9 at Holiday Inn by the Bay in Portland, Maine. The conference will focus on the impact of the changing ocean environment and the global economy on the biology and business of lobsters. Contact: Aliya Uteuova, 207.563.8220

UMaine to host emergency management, homeland security, computing conference

05 Jun 2017

The University of Maine will host the third annual conference of the U.S. chapter of The International Emergency Management Society (TIEMS) June 12–16. This year, presentations and interactive sessions offered by U.S. and international experts will focus on “Emergency Management, Homeland Security, and Computing.” The five-day event also will provide networking opportunities for attendees and speakers. The conference will end with an all-day excursion to Acadia National Park. Among the featured speakers will be K. Harald Drager, a founding member and current president of TIEMS. Drager, who has extensive experience in emergency and risk management, now acts as the managing director of Quasar Invest AS, a consultancy in global safety, emergency and disaster management in Norway. Also featured will be TIEMS USA President Kay C. Goss. Goss is a founder and president of the Council on Accreditation of Emergency Management Education and former associate director of national preparedness, training, and exercises at the Federal Emergency Management Agency (FEMA). Goss is on the part-time faculty at the University of Nevada, Las Vegas’ Executive Crisis and Emergency Management master’s program, and is a Fellow at the National Academy of Public Administration. UMaine’s George Markowsky, a professor of computer science and director of the Cybersecurity Lab in the School of Computing and Information Science, also is scheduled to speak. Markowsky teaches cybersecurity, coaches the UMaine Cyber Defense Team, and is a member of the TIEMS USA Board. TIEMS was established in 1993 in Washington, D.C., and provides a platform for

stakeholders within the global emergency and disaster management community to meet, network and learn about best practices, as well as new technical and operational methodologies. TIEMS works to improve the global community's ability to avoid, mitigate, respond to, and recover from natural and manmade disasters. More information about the conference, including a complete list of speakers and presentations, can be found on the TIEMS USA [website](#).

Barkan co-writes BDN op-ed

05 Jun 2017

The [Bangor Daily News](#) published the opinion piece "More guns won't make our universities and colleges any safer," by Steven Barkan and alumnus Michael Rocque. Barkan is a sociology professor at the University of Maine and author of "Criminology: A Sociological Understanding." Rocque is an assistant professor of sociology at Bates College. They are both members of the Scholars Strategy Network.

AP quotes Brewer in report on Maine governor's race

05 Jun 2017

Mark Brewer, a political science professor at the University of Maine, was interviewed by the Associated Press for a report about the Maine governor's race. Six people have announced plans to run, but there are several high-profile politicians, including Republican Sen. Susan Collins, who could shake up the race, the AP reported. A Collins candidacy could clear the GOP field of candidates and weaken the Democratic field because her appeal as a moderate may cause some Democrats to elect to stay on the sidelines, according to Brewer. "Until she makes her move, one way or the other, I think we're going to be in a holding pattern to some degree," he said. Brewer added the current field of candidates is largely unknown. "It's way too soon to say anything with any certainty until we start to hear more from these high-profile candidates," he said. [The Boston Globe](#), [Fox News](#), [Portland Press Herald](#) and [The Charlotte Observer](#) carried the AP report.

Media cover third annual Black Bear Marathon

05 Jun 2017

WLBZ (Channel 2), WABI (Channel 5) and [WVII](#) (Channel 7) reported on the third annual Black Bear Marathon, Half Marathon and 10K, presented by the University of Maine Alumni Association. More than 600 runners participated in the Black Bear Race series event, WLBZ reported. "Racers have come from all over the country; we have some from Canada as well. I think we have 25 states represented this year and a lot of local folks," race director Lauri Sidelko told WVII. The 26.2-mile course is a double loop of the 13.1-mile course that begins on the track at UMaine's Harold Alfond Stadium and travels through Orono and Old Town and back to the university's paved bike paths. The Black Bear Race series is run by the Student Wellness Resource Center with support from Campus Recreation and several sponsors. Proceeds will benefit the center's substance abuse prevention services and recovery program.

UMaine, Flagship Match cited in Missourian article on MU recruitment

05 Jun 2017

The University of Maine and its Flagship Match tuition scholarship program were mentioned in a [Columbia Missourian](#) article about falling enrollment and new recruitment efforts at the University of Missouri. UMaine, like other Northeastern and Midwestern universities, saw enrollment declines, so it decided to match the in-state tuition of several regional universities, the article states. Now headed into its third year, the Flagship Match program has seen lasting gains in enrollment from Maine's neighboring states, according to the article, which cited an earlier [Inside Higher Ed](#) report.

Media advances international lobster conference

05 Jun 2017

The Associated Press, [Portland Press Herald](#) and WABI (Channel 5) advanced the 11th International Conference & Workshop on Lobster Biology and Management taking place June 4-9 in Portland. Scientists will meet to discuss how a changing ocean environment and global economy is affecting the biology and business of lobsters, the Press Herald reported. More than 250 biologists, oceanographers, fishery managers and industry members from 15 nations plan to attend the event, according to University of Maine marine scientist Rick Wahle, a co-chairman of the symposium. American lobster is the country's most valuable fishery, Wahle said. "Maine lobster is a symbol of our state around the world, and the economic value of the fishery cannot be overstated," he told the Press Herald. "But it's more than that. Because it's such a recognizable species, it is an instantly recognizable poster child for the impact of the changing environment on our fisheries. It is a great species to convey the ecological effects of climate change. And it hits a lot of people who live on the coast right in the pocketbook." Boston Herald carried the AP report.

Maine Business School to host vigil June 9

06 Jun 2017

A vigil for 13-year-old Anie Graham will be held at 4:30 p.m. June 9 on the steps of Fogler Library. The vigil, coordinated by the Maine Business School, will include remarks by Rebecca Schwartz-Mette, an assistant professor of psychology. Anie was the daughter of Matt and Rosie Graham. Matt is a Maine Business School faculty member. For more information, contact Nory Jones, 581.1995.

School of Marine Sciences contingent at The Ocean Conference

06 Jun 2017

A University of Maine assistant professor of marine policy in the School of Marine Sciences and three UMaine graduate students are taking part in The Ocean Conference this week at the United Nations in New York. Participants are slated to discuss solutions to a range of threats to marine ecosystems, including reducing plastic pollution, expanding marine reserves, strengthening sustainable fisheries, protecting coral reefs and addressing the effects of climate change.

The global conference, co-hosted by the governments of Fiji and Sweden, coincides with World Oceans Day on June 8. Aaron Strong, who also is a cooperating faculty member with the Climate Change Institute, is attending the conference with graduate students Emily Nocito, Anama Solofa and Anna McGinn. Nocito and Solofa are pursuing master's degrees in marine policy in the School of Marine Sciences and McGinn is pursuing a dual master's degree in global policy with the School of Policy and International Affairs and in quaternary and climate studies with the Climate Change Institute. This marks the first time the School of Marine Sciences has received special accreditation from the United Nations to send a delegation of observers to the meeting. The UMaine contingent will be among the heads of state, researchers, experts and ocean leaders exploring how to achieve Sustainable Development Goal 14, which seeks to conserve and sustainably use the oceans, seas and marine resources for sustainable development. Strong and the students are conducting research at the solutions-focused conference, which strives "to reverse the decline in ocean health for people, the planet and prosperity."

Palmer quoted in Press Herald article on Sen. Collins' take on Medicaid expansion

06 Jun 2017

Kenneth Palmer, a professor emeritus of political science at the University of Maine, was quoted in the [Portland Press Herald](#) article, "Sen. Collins says Indiana's plan to expand Medicaid could be a model for Maine." Medicaid expansion is working in states like Indiana, where the Obama administration approved waivers that permit the program to be operated differently than a traditional expansion, Collins told the Press Herald. Palmer said Collins may be positioning herself for the 2018 gubernatorial election by taking a popular position that appeals to Democrats, independents and moderate Republicans. Palmer said Medicaid expansion appeals to many Maine general election voters, and he doesn't see a right-wing challenger to Collins emerging in a Republican primary should she choose to run, the article states. "If she's thinking about running, this is a very reasonable move," he said.

Ellsworth American advances Borns' Lamoine geology talk

06 Jun 2017

[The Ellsworth American](#) reported Hal Borns, professor emeritus of the University of Maine Climate Change Institute and School of Earth and Climate Sciences, will speak about Lamoine's geology at 7 p.m. Wednesday, June 7 at Lamoine Town Hall. The talk, which is free and open to the public, is an opportunity for Lamoine residents to hear how prehistoric natural forces shaped the peninsula, present geology and what consequences human activities may have on nature, the article states.

Sen. King speaks at international lobster conference, media report

06 Jun 2017

The [Portland Press Herald](#) and WLBZ (Channel 2) covered U.S. Sen. Angus King's address at the the 11th International Conference & Workshop on Lobster Biology and Management being hosted by the University of Maine and Boston University. Calling proposed cuts in federal science funding "unacceptable," King told lobster researchers that data is the key to protecting Maine's most valuable fishery, the Press Herald reported. Maine's independent senator asked the 250 biologists, oceanographers and fishery managers at the global conference in Portland to give him data on the impact of the changing sea environment on lobster, including temperature, salinity and acidification, and whether that is prompting a migration of Maine's \$533.1 million a year fishery to Canada, the article states. [The Boston Globe](#) and [The Revelator](#) also reported on the conference, citing co-chairman Rick Wahle's American Lobster Settlement Index. Wahle, a marine scientist at UMaine, said the number of young lobsters is falling in the Gulf of Maine despite years of record-breaking harvests, the Boston Globe report states.

Media report on pilot program involving education professors, inmates

06 Jun 2017

WABI (Channel 5), [WLBZ](#) (Channel 2), [Bangor Daily News](#) and [WVII](#) (Channel 7) reported on a pilot program being tested at the Penobscot County Jail to provide educational opportunities for female inmates. University of Maine's College of Education and Human Development, Riverside Adult Education Partnership and Literacy Volunteers of Bangor have teamed up to offer the program. "What Now? What's Next?" lets the women choose from services ranging from help with completing high school and preparing for college, to child development and parenting classes, to one-on-one tutoring in reading and writing. "What we came up with collaboratively was a menu of options for the women upon intake to start to think about what's going on with their lives now. We kind of don't care about the what's already been, but what's right now, and what's next. And that's the project that we've initiated here at the jail," said Susan Bennett-Armistead, a project leader and UMaine literacy professor. So far, about 30 inmates have taken part in a group to improve their writing skills, WABI reported. Organizers also are working to connect the women to resources so they can succeed in the community, the report states. [Maine Public](#) carried the BDN report.

AP reports on Wahle's American Lobster Settlement Index update

06 Jun 2017

The Associated Press reported the number of young lobsters is declining in the Gulf of Maine despite years of record-breaking harvests, according to University of Maine marine scientist Rick Wahle. Wahle quantifies the population of baby lobsters in the Gulf at monitoring sites in New England and Canada every year. His American Lobster Settlement Index, released this month, shows monitoring sites from New Brunswick to Cape Cod had some of the lowest levels since the late 1990s or early 2000s, the AP reported. The decline in baby lobsters represent an "early warning" of what might happen to the future of the lobster harvest, which is the source of a major fishery and a focus of the tourism industry in New England, Wahle said. Lobsters take several years to grow to legal harvesting size, so the drop in young lobsters would start to affect lobstermen in future years, he said. "If we were to see a collapse in the lobster catch, it would mean that we're already seven to eight years into a decline in the population," Wahle said. ABC News, WABI (Channel 5), [The Toronto Star](#) and The Chronicle Herald of Nova Scotia carried the AP report. [Mainebiz](#) and [The Science Times](#) also reported on the American Lobster Settlement Index update, and the [Portland Press Herald](#) published an article on research — including Wahle's — related to the lobster decline.

UMaine students awarded Eastern Maine Medical Center Scholarships from medical staff

06 Jun 2017

Physicians and other medical providers at Eastern Maine Medical Center recently awarded scholarships to three University of Maine students this who aspire to enter health professions in Maine after graduation. "It is a privilege for the medical staff at Eastern Maine Medical Center to award scholarships to deserving students at the University of Maine," says Deanna Dorsey, anesthesiologist and president of the medical staff at EMMC. "We hope to encourage these students to stay in Maine after graduation and become our next generation of health care providers." The 2017 recipients are:

- Haley Bisson, from Lewiston, Maine, who will start her senior year in the School of Nursing this fall.
- Emily Page from Limington, Maine, who will enter her junior year as a medical laboratory sciences major in the School of Biology and Ecology.
- Hannah Sherman from Hodgdon, Maine, who will begin her senior year as a student in the Department of Communication Sciences and Disorders this fall. She aspires to earn a doctorate of audiology degree.

The EMMC Medical Staff Scholarship is awarded to a select group of students from UMaine's College of Natural Sciences, Forestry, and Agriculture each year. To be eligible, a student must have at least a 3.0 grade point average be enrolled in the college's nursing, social work, nutrition and dietetics, medical laboratory sciences, pre-med, or communication sciences and disorders programs and have aspirations to work in Maine after graduation.

Psychology and music education professors collaborate on cognitive research project

06 Jun 2017

Psychology professor Rebecca MacAulay and music education professor Philip Edelman have partnered on an innovative cognitive research project that teaches older adults to read and play music. The Maine Understanding Sensory Integration and Cognition (MUSIC) Project recently wrapped up pilot programs with two groups of older adults in Brewer. Participants in the project, many of whom had never had music lessons, spent 12 weeks learning to read and play music on the recorder. MUSIC partnered with the Heritage and Somerset Place independent living facilities for low-income adults in Brewer, recruiting older adults who were interested in learning to play music in a social setting. The project stems from MacAulay's research into understanding and improving cognitive development in older adults, and Edelman's work and research with the New Horizons music programs for seniors. Through her research, MacAulay has found that one of the greatest challenges in treating cognitive aging processes is to find activities that older adults enjoy doing. Edelman's work with the Roeland Park New Horizons Band showed that older adults seem to enjoy learning and making music together. "Treatment-wise, we tell them a lot of things they probably know already they should be doing that they're not doing, so I'm very excited about positive replacement behaviors," says MacAulay. "Music is something, I think, that we all universally just gravitate toward. Here's this activity that's shown to have cognitive benefits in children as they develop and within older adults who have had music lessons. So, could this be an activity for older adults, who haven't been exposed to music, that they could receive some cognitive benefit from it?" MacAulay and Edelman, who both finished their first year at UMaine, met at a social gathering for incoming professors last year. After MacAulay explained her research, Edelman mentioned his love of teaching music to older adults and his previous research on the topic, and immediately they began brainstorming what would become the MUSIC Project. Within a semester, the pilot programs were launched. MacAulay trained a team of graduate and undergraduate students in neuropsychological testing who then assisted MacAulay in clinical interviews with the participants. Edelman designed the program's instruction model and facilitated one of the pilot programs, which met Wednesdays for an hour. Nathan Sprangers, an undergraduate music education student, was trained by Edelman to facilitate the other pilot program that met Fridays. Sprangers, a nontraditional student with over 10 years of teaching experience in public school and summer camp settings, didn't quite know what to expect from the participants. "I'd never taught people who didn't know anything about music before. They're not just learning the instrument, they're learning how to read music, and read rhythms, and count," he said. All were surprised at the progress made in just 12 weeks. "For somebody that's never played an instrument, I think I'm doing really good," boasted one participant during a visit to Edelman's classes. While Edelman and Sprangers were able to mitigate cognitive challenges through pacing and repetition, the physical challenges of playing the recorder proved more difficult. According to the participants, arthritis and carpal tunnel often made it hard to get the appropriate finger placement on the instrument. Despite the challenges, the participants returned week after week for the group camaraderie, as much as for the music. The participants encouraged each other and even met after hours to practice as a group. "It gives us something to look forward to," said one of the participants. "And a sense of accomplishment. Well, at times, anyway." MacAulay and Edelman hope to offer the MUSIC Project to other aging communities in the fall and spring semesters. They will also be bringing on more undergraduate psychology and music majors to assist in the research. One long-term goal of the project is to create a peer-based training model, in which "graduates" of the program deliver instruction to other older adults throughout the state. Another long-term goal is to create a music instruction manual specifically for older adults that accounts for the cognitive and physical demands of older learners. One piece of advice Edelman received from his participants was to include more tunes that they know. As for the participants, they've promised to continue practicing on their recorders, in order to improve as musicians. "One of them said to me, 'See you next fall,'" said Sprangers after his final class. "And that wasn't someone I expected to hear that from. So that was nice." Contact: Alan Berry, 207.581.1955

Food for thought: Green crab pastries pass UMaine taste test

06 Jun 2017

For clam harvesters in Maine, invasive green crabs are voracious predators that threaten their livelihood. One green crab (*Carcinus maenas*) can devour 40 half-inch clams in a single day, according to the Washington Department of Fish and Wildlife. Which might be one reason Maine's soft clam harvest dropped from 9.3 million pounds in 2015 to 7.3 million pounds in 2016. University of Maine food scientists Beth Calder and Denise Skonberg and former graduate student Joseph Galetti have a possible palatable solution: Turn the ravenous pillagers into minced crabmeat. The crustaceans are an ample resource. Each female can produce about 370,000 offspring, according to the Maine Clammers Association. Calder, Skonberg and Galetti say utilizing them as a food source could stimulate a commercially important green crab fishery, help clams rebound on Maine mudflats and provide a nutritious seafood option for locals and tourists alike. And it turns out they taste good. Skonberg, who applies food science principles to improve the economic and environmental sustainability of the seafood sector, says people frequently have called her, perplexed about how to stop the invasive marauders that devour mussels and clams and destroy eelgrass beds. Some communities have opted to respond with fencing and netting strategies. Galetti chose a mechanical separator and some mixing bowls. In 2008, Galetti was a new graduate student at UMaine; he came to Orono with an undergraduate degree in culinary nutrition from Johnson & Wales University and the know-how to prepare nutritious, tasty food. He concocted fried pastries (empanadas) filled with minced green crabmeat, onion, corn, red pepper, thyme and cayenne pepper. Calder and Skonberg, both associate professors of food science, advised Galetti on his master's thesis project — the mechanical processing of the European green crab and the potential use of the mince in a value-added product. Specifically, finding out what people thought of the empanadas. In 2010, taste testers' general response to the empanadas was promising. The consumers' overall rating of the minced green crabmeat pastries was between "like slightly" and "like moderately." And more than 63 percent of taste testers indicated they would "probably" or "definitely" buy the product

if it was available locally. Mean scores for several empanada attributes were 6.5 for overall appearance, 6.0 for filling appearance, 6.6 for texture, 6.6 for flavor, and 6.5 for overall acceptability. A rating of 7 is equivalent to “like moderately” based on a 9-point scale that ranges from 1 — “dislike extremely” — to 9 — “like extremely.” The acceptability ratings are encouraging for ongoing product development and commercial production, say the researchers, especially considering green crab empanadas are a new food creation, and the 87 taste testers generally hadn’t eaten crabmeat in the form of fried appetizers. Sixty percent of the 87 panelists from UMaine and the surrounding community reported they eat crab (rock crab or Jonah crab), or products that contain crab, “every few months.” One-third said crab cakes are their major form of crabmeat consumption, followed by chowders/soups, seafood salad, fried appetizers and whole crabs. More than 60 percent of respondents said most of the time they eat crab it’s in restaurants. Galetti, now a senior scientist for a seafood company in Massachusetts, reported that minced green crabmeat — flesh that’s been mechanically separated from bones or shells — is a good source of nutrients and is comparable quality-wise to other commercially available minced seafood products. The trio brainstormed other potential minced green crabmeat product development options and came up with ravioli, wontons, dips, soups, quiches and stuffing. Calder, a UMaine Cooperative Extension food science specialist and director of the Process and Product Review Testing Services, says because of green crabs’ relatively small size, picking meat by hand isn’t practical on a large scale. Processors would need feasibility findings detailing whether they could get enough yield from green crabs to make it profitable to sell commercially. Skonberg agrees a number of logistical questions need to be answered, including whether lobstermen would simultaneously harvest green crabs in separate traps. “There needs to be a piece that takes it from scientific research to move forward to entrepreneurship,” she says. If those unknowns are favorably resolved, perhaps green crab food products will one day be widely available in restaurants and seafood stores. The team’s findings are in the article “Mechanical Separation of Green Crab (*Carcinus maenas*) Meat and Consumer Acceptability of a Value-Added Food Product” published in the *Journal of Aquatic Food Product Technology*, Volume 26, 2017. Contact: Beth Staples, 207.581.3777

Shakespeare scholar named to hold inaugural Stephen E. King Chair in Literature

06 Jun 2017

A Shakespeare scholar whose public talks focus on the Bard in popular culture has been selected to hold the inaugural Stephen E. King Chair in Literature at



the University of Maine. [caption id="attachment_55621" align="alignright" width="223"] Caroline Bicks[caption]

Caroline Bicks is an associate professor of English at Boston College, where she has been teaching since 2002. She will leave Boston College to join the UMaine English Department faculty this September. In addition to Shakespeare, Bicks’ other areas of specialization include women and gender in early modern literature and culture, early modern drama, the history of science, and girlhood studies. “Dr. Bicks is a perfect choice,” says Emily Haddad, dean of the College of Liberal Arts and Sciences, the academic home of the Department of English. “She’s a Shakespeare scholar with wide experience in the humanities. She will be an exciting teacher and a terrific ambassador for literature.” The Stephen E. King Chair in Literature was established in the University of Maine Foundation with a generous \$1 million gift from the Harold Alfond Foundation in honor of the UMaine alumnus’ substantial body of work and his creative impact. Its goal is to advance excellence in the creation, study and appreciation of literature and the humanities. In addition to recruiting and retaining a top scholar, the endowed fund supports the creation of innovative learning opportunities for students, and activities that advance creative writing, literature and the humanities on campus and in the community. At Boston College, Bicks teaches undergraduate and graduate courses in early modern literature and culture. For the past six years, she also has led graduate seminars at the Bread Loaf School of English, where she teaches primarily high-school teachers working toward their master’s degrees in literature. From 1998–2002, she was an assistant professor at Ohio State University. Bicks received a Ph.D. from Stanford University in 1997, and spent a year there as a postdoctoral fellow. Bicks is a New York City native who grew up spending her summers in Castine. “I remember reading every Stephen King book they had at the Castine public library,” she recalls. “His writing taught me early on that an artfully composed story can make a powerful and lasting impression. I still can’t sleep with the closet door open thanks to ‘The Boogeyman.’ It’s an enormous privilege to be holding this chair in King’s honor.” Bicks is the author of “Midwiving Subjects in Shakespeare’s England” and co-editor of “The History of British Women’s Writing, 1500–1610,” which received the Society for the Study of Early Modern Women Collaborative Research Award. Bicks’ humorous life-writing has appeared in the “Modern Love” column of the New York Times, on NPR’s “All Things Considered,” and in the show and book “Afterbirth: Stories You Won’t Read in a Parenting Magazine.” Most recently, she has co-authored an irreverent Bard-meets-life cocktail book, “Shakespeare, Not Stirred: Cocktails for Your Everyday Dramas,” which has sold over 10,000 copies around the world. “I’m always seeking to bring the humanities out of the ivory tower and, in turn, to ensure that the academic spaces I’m privileged to create reflect the diversity of human experience that my students bring with them,” Bicks says. Her current book project challenges conventional views of the adolescent female brain in early modern England, arguing that girls were seen as inventive and culturally influential — inquiring and retentive minds that, in turn, captured the imaginations of early modern playwrights who frequently featured the brainwork of these teenage heroines in their works. Bicks’ public lectures across the country focus on Shakespeare’s relevance and vibrancy today, including echoes of the Bard in popular culture. For Bicks, that can even include the parallels between Shakespeare’s Juliet and Stephen King’s Carrie. “King describes Carrie as experiencing ‘mental puberty’ when her body matures at the start of the novel,” she notes. “I see Juliet, who is nearing ‘the change of fourteen years’ at the start of “Romeo and Juliet,” as a girl whose brain is similarly activated to imagine and act out scenes that range from the romantic to the gruesome.” It is rare for an endowed academic chair in the arts and the humanities to emphasize student involvement and community engagement at this level, says Laura Cowan, chair of the UMaine English Department, adding that it has the potential to “serve as a model for future positions at land grant research universities nationally.” King received a degree in English from UMaine in 1970. He and his wife, author Tabitha King, also a UMaine graduate, received honorary degrees from their alma mater in 1987. Special Collections in UMaine’s Fogler Library holds the Stephen Edwin King Literary Papers. Contact: Margaret Nagle, 207.581.3745

Climate Change Institute art exhibit to be displayed at Hutchinson Center

07 Jun 2017

“The Art of Climate Science,” a new exhibit of photography and artwork illustrating the diverse research activities of students, faculty and staff of the University of Maine Climate Change Institute, will be on display June 16–Sept. 29 at UMaine’s Hutchinson Center in Belfast. An opening reception featuring many of the participating researcher-artists will be held 4:30–7 p.m. June 16. The exhibition and reception in the H. Allen and Sally Fernald Art Gallery are free and open to the public. “The Art of Climate Science” features 88 photographs and works of art by CCI faculty, staff and students that capture the diverse landscapes, environments and methods researchers use to understand the past, current and future of Earth’s climate system. “The Climate Change Institute has conducted research throughout the most remote reaches of the planet, from the poles to the highest mountains, and of course throughout Maine,” says Paul Mayewski, CCI director. “The artwork in this exhibit provides examples of the landscapes that shape CCI’s research world.” The photos, sketches and paintings offer unique glimpses into what it looks like to do archaeology in the high altitude Andes of Peru, drill ice in Antarctica or Alaska, or to search for the microscopic heralds of climatic change in the remote lakes of Greenland. Jill Peltó, a graduate student in the School of Earth and Climate Sciences who often incorporates climate data in her paintings and has received national recognition for her climate science-based artwork, is showing a selection of her pieces. “Climate science involves collecting and deconstructing samples to reconstruct the past, and this is truly an art form in itself,” Peltó says. “But behind the data and the papers, there are the photographs of the places the researchers have traveled, the sketches they have made, and the stories of the work it has taken to understand Earth’s changing climate.” The exhibit also includes work of CCI Ph.D. candidate Mariusz Potocki, an award-winning photographer whose photos have been featured by National Geographic. Many of Potocki’s photographs document his travels and research throughout South America and Antarctica. For more information or to request a disability accommodation, call Nancy Bergerson at 338.8049.

Press Herald cites UMaine study in article on Maine Beer Box

07 Jun 2017

A study released by the Maine Brewers’ Guild and conducted by the University of Maine School of Economics was cited in the [Portland Press Herald](#) article, “Maine Beer Box begins voyage to give local brews international exposure.” The custom-made shipping container filled with Maine craft beer is heading to Reykjavik, Iceland, where the beers will be the centerpiece of the country’s largest beer festival later this month, according to the article. The study found Maine’s craft breweries added \$228 million to the Maine economy and employed 1,600 people last year, the Press Herald reported. [Mainebiz](#) also cited the study in a report on the Maine Beer Box.

Marine Sciences Club mentioned in Mount Desert Islander report on ‘miniboat’ launch

07 Jun 2017

[Mount Desert Islander](#) reported that near Bermuda on May 22, the crew of Maine Maritime Academy’s training ship launched a 5-foot sailboat assembled and customized by Swan’s Island middle school students. As part of MMA’s Educational Passages program, the students will be able to track the boat, which is equipped with a GPS device, as the winds and ocean current take it across the Atlantic toward Europe, according to the article. The crew of the MMA vessel also will launch a “miniboat” that belongs to the Marine Sciences Club at the University of Maine, the article states.

Ellsworth American covers UMaine, MMA presentation on Bagaduce River research

07 Jun 2017

[The Ellsworth American](#) reported a group of marine and social scientists from the University of Maine and Maine Maritime Academy recently held a meeting in Penobscot with about a dozen local residents to introduce their Bagaduce River research project. The research is part of a larger, statewide project funded by the National Science Foundation under a grant to the Experimental Program to Stimulate Competitive Research (EPSCoR) at UMaine, according to the article. The EPSCoR Sustainable Ecological Aquaculture Network (SEANET) program has divided the Maine coast into three “bioregions” for research purposes. Within each region, scientists have identified estuaries of particular interest for study, the article states. The Bagaduce River study involves three buoys that will monitor such items as surface temperature, turbidity, phytoplankton abundance and species, particulates and dissolved oxygen, Ellsworth American reported. Damian Brady, an assistant professor of marine sciences at UMaine, offered a review of the SEANET program’s work last year in the Damariscotta and explained the research plan for the Bagaduce. “We try to discover why estuaries are productive and how they’re changing,” he said.

Seatrade Cruise News cites Bar Harbor economic impact study

07 Jun 2017

An economic impact study conducted by the University of Maine was mentioned in a [Seatrade Cruise News](#) article about two Bar Harbor ballot questions regarding the passenger ship business. One measure would limit the size of ships coming alongside the town, and would give voters the right to decide the daily passenger cap, according to the article. The other measure would authorize a zoning change so the former international ferry terminal on the outskirts of town could be rebuilt as a cruise dock, the article states. The report cited the UMaine School of Economics study that estimated cruise passenger spending in Bar Harbor had a \$20.2 million economic impact in 2016. The [Portland Press Herald](#) also cited the study in an article on the topic.

Press Herald quotes Wahle in article on lobster crossbreeding in Europe

07 Jun 2017

The [Portland Press Herald](#) spoke with Rick Wahle, a research professor in the University of Maine’s School of Marine Sciences, about a presentation that was made at the 11th International Conference & Workshop on Lobster Biology and Management hosted by UMaine and Boston University. Two Scandinavian biologists said American and European lobsters are crossbreeding and their offspring can survive in European waters, but it is too early to tell if the hybrids can reproduce. At the conference in Portland, the biologists disputed scientists’ assertion that American lobsters couldn’t survive in European waters, the Press Herald reported. Wahle, a co-chair of the event, said he wasn’t surprised by the presentation, but believes more research is needed on how the hybrid

species matures to determine the American lobster's potential threat. "There are clearly American lobsters out there, and I agree that the 100 or so they've already seen are the tip of the iceberg, but it's got to be a pretty big iceberg to have an impact on the population," Wahle said. "There's no evidence of American lobsters taking off in those waters, like the green crab or Asian shore crab did here. That's what makes this story stand apart from all the invasive species stories we've heard before." The Associated Press also published a report, citing the Press Herald article. [Maine Public](#) and [U.S. News & World Report](#) carried the AP article.

WABI reports on Master Gardener Volunteers' weekly open house sessions

08 Jun 2017

WABI (Channel 5) reported the University of Maine Cooperative Extension Master Gardener Volunteers (MGV) is offering weekly open house sessions 5:30–6:30 p.m. Tuesdays throughout the summer at Rogers Farm in Old Town. "Much of the farm is for research commodity crops that are important to the economics of Maine, but here we have a small pocket of demonstration garden where we're demonstrating for home gardeners some best practices on growing both ornamental and edible crops," said UMaine Extension horticulturist Kate Garland. The UMaine Extension Penobscot County MGV Demonstration Garden — which features 34 different theme gardens, including the new foodscaping garden — is open to the public during daylight hours. Garland said open house visitors can meet with the volunteers and ask what they can learn from their gardens.

Shakespeare expert to hold Stephen E. King Chair in Literature, BDN reports

08 Jun 2017

The [Bangor Daily News](#) reported Shakespeare scholar Caroline Bicks has been named to fill the University of Maine's new Stephen E. King Chair in Literature. Bicks will leave her job at Boston College, where she has been an English professor since 2002, to take on the new UMaine post in September. Bicks grew up in New York City, but spent summers growing up with her family in Castine, the BDN reported. "I remember reading every Stephen King book that they had at the Castine Public Library," Bicks said. "His writing taught me early on that an artfully composed story can make a powerful and lasting impression. I still can't sleep with the closet door open thanks to 'The Boogeyman.'" The Associated Press, [Maine Public](#) and [WABI](#) (Channel 5) also reported on the position. [The Washington Post](#), [New York Daily News](#) and [Portland Press Herald](#) carried the AP report.

TIME quotes Allan in report on fraternity hazing

08 Jun 2017

[TIME magazine](#) spoke with Elizabeth Allan, a professor of higher education at the University of Maine and director of the National Hazing Prevention Consortium, for the article, "4 ways to crack down on hazing at fraternities." Allan said schools should focus resources and funding on hazing prevention methods that engage the entire college community, from students to faculty to alumni. "We've typically seen that responses to hazing are reactionary," she said. "It would be really impressive to see a plan that was comprehensive in nature, research-informed and sustainable." Allan wants universities to be more proactive about providing mandatory trainings on hazing, including orientation sessions, and be more transparent by consistently collecting and reporting data about how they respond to hazing, the article states.

Oxford scientist discovers two coral species at DMC

09 Jun 2017

Oxford University postdoctoral researcher Michelle Taylor discovered two coral species while working with University of Maine oceanographer Rhian Waller and marine science students Genevieve Wilson and Jennifer Field at the Darling Marine Center. "It is unusual to find new ones, and that is definitely exciting," Taylor says. In England, Taylor will describe the corals' characteristics and genetically distinguish them from similar species, a process that can take as long as 18 months. Taylor visited the DMC to examine the corals collected in 2011 in the Drake Passage, a stretch of water between the southernmost tip of South America and the Antarctic Peninsula. Waller, an associate professor in the UMaine School of Marine Sciences, co-led the 2011 expedition with Laura Robinson, a professor of geochemistry at the University of Bristol. [caption id="attachment_55659" align="alignright" width="475"]



This *Digitogorgia brochi* coral was collected in 2011 in Drake Passage. Rhian Waller and Michelle Taylor have studied this coral and hundreds of others at the Darling Marine Center. [caption] "One of the people I really wanted to have on the crew is a coral taxonomist who could identify corals on the fly," says Waller. Taylor was that person. During the five-week oceanographic cruise aboard the U.S. Antarctic Program research vessel *Nathaniel B. Palmer*, scientists searched seamounts and ridges for coral communities in one of the world's

most under-explored areas. It was Taylor's first at-sea expedition. Now, six years later, she's taking a fresh look at the samples of octocorals (soft corals) that have been frozen and stored at the DMC. She's examined more than 900 samples of deep-sea corals for an ambitious genomic study of the unique organisms. Waller was thrilled to have Taylor visit her lab and continue her study of corals. "One of the joys about having Michelle in my lab is having her work with the students and getting them excited about taxonomy," Waller says. "They are the next generation of coral scientists." Taylor is one of a few coral taxonomists in the world. She's unraveling the evolutionary history of deep-sea corals by examining the genetic makeup of each organism to build their "trees of life." "I like putting names on things and determining the relationship of species to other species," Taylor says. "It's very gratifying." DMC summer interns Wilson and Field learned firsthand how to identify corals. Taylor also shared fascinating stories from the 2011 expedition, sparking the students' interests to participate in a research cruise. Wilson and Field were eager to learn and sometimes working through lunch breaks and stayed late to finish the job. "It was worth it; I didn't even notice the time go by," Wilson says. Deep-sea corals from Waller's lab soon will be added to the invertebrate collection at the Smithsonian Institution National Museum of Natural History in Washington, D.C. To learn more, visit Taylor's website and Waller's [website](#). Robinson's 2016 TED Talk on deep-sea corals is available [online](#). Contact: Aliya Uteuova, aliya.uteuova@maine.edu

Emergency management and homeland security conference offering public presentations

09 Jun 2017

The annual conference of the [U.S. Chapter of the International Emergency Management Society](#) (TIEMS) will be held June 12–16 at the University of Maine. The theme of this year's meeting is emergency management, homeland security and computing. Throughout the five-day event, sponsored by the UMaine Cybersecurity Lab and the University of Maine System, U.S. and international experts will give presentations and tutorials that are open to the public. No registration is needed to attend the free lectures and tutorials. Costs are associated with meals, receptions and a field trip on Friday. For more information, including [biographies on the speakers](#) and presenters, go to the event [website](#). A UMaine news release about the conference also is [online](#). To request a disability accommodation, call 581.3940.

Monday, June 12

D.P. Corbett Business Building, Room 107 **Cybersecurity Tutorial, Part 1 — Cyberwarfare and Cybercrime** By George Markowsky 9–10:20 a.m. **Cybersecurity Tutorial, Part 2 — Cyberoffense and Cyberdefense** By George Markowsky 10:40 a.m.–noon **Virtual Reality Tutorial, Part 1** By Chuck Carter 1:30–2:50 p.m. **Virtual Reality Tutorial, Part 2** By Chuck Carter 3:10–4:30 p.m.

Tuesday, June 13

Neville Hall, Room 100 **"The International Emergency Management Society: Focus on More Resilient Societies Worldwide"** By Harald Drager 9:25–10:10 a.m. **"The Future of Emergency Management: Technology, Training, Standards, Certifications and Accreditation"** By Kay Goss 10:30–11:15 a.m. **Lecture** By Vilma Schifano Milmo 11:15 a.m.–noon **"The TIEMS Academy"** By George Markowsky 1:40–2:25 p.m. **"Terrorism, Active Shooter and Premises Liability Claims Resulting from Workplace Violence"** By Tony Enerva 2:25–3:10 p.m. **"Spatial Information and Emergency Management"** A panel discussion with Randall Berry, Matt Dube, Tony Enerva and Tora Johnson 3:30–5 p.m.

Wednesday, June 14

Neville Hall, Room 100 **"Communicating with the Public During Emergencies: Old and New Challenges in the Digital Age"** By Tom Robertson 8:40–9:25 a.m. **"Technology, Opportunity and Emergency Management"** By Marc Glasser 9:25–10:10 a.m. **"Cybersecurity Challenges in the Public Sector"** By Ray Soucy 10:30–11:15 a.m. **"Overview of Crisis Management Software — Open-Source and Commercial"** 11:15 a.m.–noon **"InfraGard: An Alliance to Improve Your Cyberdefenses and a Case Review"** By Frank Appunn 3:30–4:15 p.m. **"The Role of the Maine Information and Analysis Center in Responding to Emergent Events"** By Michael Johnston 4:15–5 p.m.

Thursday, June 15

Neville Hall, Room 100 **"Improvise, Adapt and Overcome: One State's Plan for Mutual Aid Coordination"** By Jeffrey Morrisette 8:40–9:25 a.m. **"Augmented Reality Applications and First Responders"** By Vince Quintana 9:25–10:10 a.m. **"Cyber Attacks on Power Grids"** By Troy Jordan 10:30–11:15 a.m. **"The Metric at the End of the Rainbow"** By George Markowsky 11:15 a.m.–noon **"Deception in Web Application Honeypots"** By Banyatsang Mphago 1:40–2:25 p.m. **"Tabletop Exercises Should be Interesting and Realistic?"** By Wayne Maines 2:25–3:10 p.m.

Public invited to summer seminars, public tours at DMC

09 Jun 2017

Free, public science seminars and tours of the waterfront laboratories will begin Friday, June 23 at the University of Maine Darling Marine Center in Walpole. At 10:30 a.m. Fridays through Aug. 11, a renowned marine science researcher will share their expertise on topics ranging from the Gulf of Maine studies to deep-sea exploration. The hour-long seminars will be in Brooke Hall on the lower campus. The schedule and form to RSVP is [online](#). Anyone requesting an accommodation can do so on the online form. Wednesday Walking tours will be held at 10:30 a.m. Wednesdays from June 28 through Aug. 16. The tour guide will give an overview about the DMC location on the Damariscotta River estuary, then lead attendees through the flowing seawater laboratories. Attendees are encouraged to engage with working scientists and students. They will answer questions, talk about their research and explain its significance to the larger community. Tours generally last 90 minutes and begin at the waterfront campus. The form to RSVP and request an accommodation is [online](#). For directions and more information, visit the DMC [website](#).

UMaine mentioned in BDN article on \$50 million bond question

09 Jun 2017

The [Bangor Daily News](#) reported voters will head to the polls June 13 to decide whether the state should borrow \$50 million, mostly to replenish a fund that has bought research equipment for the University of Maine System and Maine technology companies. The bulk of the money would go to replenish the Maine Technology Asset Fund, which supports investments for equipment used to research, develop or commercialize products in seven different technology sectors, the BDN reported. The fund has distributed awards to businesses and other institutions since 2008, according to the Maine Technology Institute, and requires matching funds from federal or other sources. From the previous \$53 million in the fund, UMaine was the largest beneficiary, followed by The Jackson Laboratory and the University of New England and the private school's College of Pharmacy, opened in 2009, the article states. The bond question also was the focus of the [BDN](#) editorial, "Yes on Question 1: A needed investment in research and innovation in Maine."

NOAA recommends UMaine fisheries projects for funding, Mainebiz reports

09 Jun 2017

[Mainebiz](#) and the Associated Press reported the National Oceanic and Atmospheric Administration has recommended over \$1.5 million in Saltonstall-Kennedy Grant Program funding for six fisheries research projects in Maine, including two at the University of Maine. The goal of the Saltonstall-Kennedy program is to fund 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, according to the article. The recommended UMaine funding includes \$299,623 for evaluating the life history and stock structure of yellowfin tuna in the northwest Atlantic Ocean, and \$275,308 for assessing the potential for sustainability of fishing-dependent communities in coastal Maine in the face of environmental and socioeconomic change. Final funding approval is pending, the article states. U.S. Rep. Chellie Pingree, D-Maine, characterized the projects as "key to the future of the Gulf of Maine and the thousands of Mainers who make their living from it." "Climate change and other factors are rapidly altering our oceans, the fisheries they support, and the communities that rely on them," she said in a news release. "We need the best scientific information possible to respond to those changes, sustainably manage our resources, and find ways to move our coastal economy forward." Maine Public, WLBZ (Channel 2) and WRAL carried the AP report. [WVII](#) (Channel 7) also reported on Pingree's comments.

Handley speaks with Maine Public about strawberry crop

09 Jun 2017

David Handley, a University of Maine Cooperative Extension specialist of vegetables and small fruits, spoke with [Maine Public](#) for a report about this season's strawberry crop. Handley said the cold, wet spring means a later start this year. "There'll be some berries to pick in southern Maine next week, maybe a few this weekend, but I think right now what's ripening is being picked and sold at the stands because there isn't enough ripening at one time to open for pick-your-own yet," he said. One benefit of a later season, Handley said, is the chance for families to pick after school lets out. He added the crop has potential for decent yields and fruit size.

WVII reports on new community renewable energy website

09 Jun 2017

[WVII](#) (Channel 7) reported on a recently launched website developed by University of Maine researchers. The website features a database of more than 6,000 community-based renewable energy projects nationwide. The website will aid those interested in pursuing group, shared, municipal or nonprofit energy projects to connect, learn from each other and develop. "Mainers can look at Maine specifically; they can filter for just Maine projects. So, for example, if a principal is looking to put solar on their schools, they could search for solar schools in Maine and see who else is putting solar on their schools, and then connect with them," said assistant professor Sharon Klein of the UMaine School of Economics and lead scientist on the project. It took three years to compile the data and create the U.S. Community Energy Website ([USCEW](#)), developed through a grant from the UMaine Senator George J. Mitchell Center for Sustainability Solutions, WVII reported.

WLBZ interviews Dill about black fly population

09 Jun 2017

Griffin Dill, an integrated pest management professional with the University of Maine Cooperative Extension, spoke with [WLBZ](#) (Channel 2) for a report about Maine residents claiming to see more black flies this year. Dill said the amount of black flies you see depends on where you live; with more being found close to water sources. According to Dill, lots of black flies means the state's rivers and streams are clean because the flies will only lay eggs in clean water. "Because of that we see this large number of black flies every year," he said. "We tend to have a fairly steady population of black flies." Dill added the days of black flies only being around from Mother's Day to Father's Day is a thing of the past, WVII reported. "We are lucky enough to encounter black flies throughout the entire summer, not just for that early spring season," he said.

Drummond speaks with BDN about fungus that could affect Maine's blueberries

09 Jun 2017

The [Bangor Daily News](#) interviewed Frank Drummond, an insect ecology professor at the University of Maine, about a type of fungus with zombie-like qualities that could threaten the state's wild blueberry crop. Drummond said although the mummy berry disease is probably the most serious blueberry disease, it's not well understood. Drummond and other UMaine researchers are collecting samples of blueberry plants and pollinators in Washington County to learn more about the disease. Their findings will be added to a computer simulation model that plays out different infection scenarios and hopefully help producers avoid getting devastated by mummy berry, according to the article. "We're trying to learn more about the ecology and the behavior of the bees so we can give the farmers a little bit more informed information about mummy berry," Drummond said. "Knowledge, when you're trying to manage something, is very powerful," he added. Elissa Ballman, a research associate with the School of Biology and Ecology, and Jade Christensen, a senior wildlife ecology major, also spoke with the BDN about the research. "I really enjoy it, despite the blackflies," Christensen said of her first research job. "It's fun because it's so relevant. You know the relevance as you are doing the work." [Maine Public](#) also carried the BDN article.

'Growing Maine' with a lifetime of farming

12 Jun 2017

University of Maine Cooperative Extension has released the fifth installment of “Growing Maine,” a series of short documentaries highlighting Maine food producers and farm families. This latest video in the series tells the story of Cedar Run Farm in Bradford, a natural grass-fed beef and pork operation. Leanne and Billy Waters started the farm when their children were young, and now Cierra and Colby are active in the farm operation. Their participation started in the UMaine Extension 4-H program and grew into a full-scale beef operation. Leanne, Cierra and Colby talk about the past and the vision for the future, as each of the youth plan on staying connected to agriculture when they finish high school. The “Growing Maine” video series helps consumers get to know their food sources better. 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. The “Growing Maine” series can be viewed [online](#). Viewers also have the opportunity to suggest future story ideas for new videos that will be released throughout the year. For more information contact Leslie Forstadt at 581.3487, leslie.forstadt@maine.edu.

AP cites Brewer in coverage of Sen. King’s congressional hearing comments

12 Jun 2017

Mark Brewer, a political science professor at the University of Maine, was cited in an Associated Press report on Sen. Angus King’s comments during a Senate Intelligence Committee hearing in Washington. A day before former FBI Director James Comey’s testimony, King captured attention for a barb aimed at Michael Rogers, the director of the National Security Agency, who said he didn’t feel it would be appropriate to answer questions about his conversations with the president, according to the article. “What you ‘feel’ isn’t relevant, admiral,” King said. Back in Maine, King is well-known as a popular folksy former two-term governor, the AP reported. On the national stage, King isn’t as well-known as Republican Susan Collins, so his performance at the hearing that was carried live on several TV networks likely lifted his national profile, Brewer said. [U.S. News & World Report](#), [Seacoast Online](#) and [Newsradio WGAN](#) carried the AP report.

McConnon speaks with Morning Sentinel about sale of Backyard Farms

12 Jun 2017

Jim McConnon, a University of Maine Cooperative Extension specialist and professor of economics at UMaine, spoke with the [Morning Sentinel](#) for an article about Madison, Maine tomato-growing company Backyard Farms being sold to Mastronardi Produce Ltd., of Kingsville, Ontario, Canada. McConnon said these kinds of deals are standard across all industries, and the purchase could be a catalyst for further growth at Madison’s largest employer. For Backyard Farms, the merger with a larger brand could help it market its products better in the United States, according to McConnon. “Backyard Farms has a unique brand and a pretty solid brand in that particular market niche and product category,” he said. “I would expect that to be maintained and further marketed.” Given Mastronardi’s reach across North America, McConnon said he would expect Backyard Farms will grow its production. “Time will tell what the local impact is going to be, but I expect that it will support further growth and sustainability of Backyard Farms here in Maine,” he said.

Mallory discusses state’s grain economy on ‘Maine Calling’

12 Jun 2017

Ellen Mallory, a University of Maine Cooperative Extension specialist and associate professor of sustainable agriculture, was a recent guest on [Maine Public](#)’s “Maine Calling” radio show. The episode focused on efforts to support and promote the Maine grain economy.

AP quotes Yarborough in report on plummeting blueberry prices

12 Jun 2017

David Yarborough, a wild blueberry specialist at the University of Maine Cooperative Extension, spoke with the Associated Press for the article, “Fear of losing blueberry growers as prices drop, crop soars.” Wild blueberry prices to farmers have plunged from nearly a dollar a pound in 2011 to around 25 to 30 cents per pound last year, according to the article. The number of farmers and acreages is holding steady, but other measures show a decline in effort on farms, state officials said. For example, bees are imported to Maine to pollinate blueberry fields, and the number of beehives coming into the state declined by about 20 percent from 2015 to 2016, according to Yarborough. Canada and Maine, the country’s sole significant wild blueberry state, produced 400 million pounds of wild blueberries last year, Yarborough said, adding the norm is around 250 million pounds. Regardless of the size of this summer’s crop, prices are unlikely to surge back to higher levels quickly, Yarborough added. “This particular situation isn’t going to resolve itself in a year or two, it might take longer,” he said. [The Washington Post](#), WLBZ (Channel 2), [The Seattle Times](#), [The Salt Lake Tribune](#) and WRAL carried the AP report. The [Portland Press Herald](#) also published a version of the article.

Hutchinson Center, Midcoast Leadership Academy graduate 18 participants

13 Jun 2017

The University of Maine Hutchinson Center and the Midcoast Leadership Academy recognized its seventh group of graduates in a June 2 ceremony. The nine-month community immersion program, modeled after successful nationwide leadership programs, is designed for existing and emerging adult community leaders. The program studies issues, challenges and opportunities affecting the midcoast region; building a strong network of leaders throughout Knox and Waldo counties. The guest speaker for the event was Tom Peaco, executive director of the Penobscot Bay Regional Chamber of Commerce and a Midcoast Leadership Academy graduate. MLA7 graduates include the Hutchinson Center’s Amy Smith, assistant director for academic and student services; and Kim Wilson-Raymond, conference coordinator. A full list of program graduates is [online](#). The program’s mission is to positively impact the economic and cultural quality of life in the midcoast by enhancing the professional and personal development of its community leaders. Guest faculty are drawn from academia, business, government, consulting and the nonprofit sector. Bangor Savings Bank, the lead program sponsor, has been a multiyear supporter of the

program's mission of building relationships that will help create stronger, healthier and more prosperous communities. MLA8 will begin in September; recruitment for the program will begin in June. More information is available on the Hutchinson Center [website](#) or [midcoastleadershipacademy.org](#).

UMaine mentioned in Mainebiz article on Top Gun Showcase winners

13 Jun 2017

[Mainebiz](#) reported on the final competition in this year's Top Gun Showcase. The Maine Center for Entrepreneurial Development, along with its partners, the University of Maine, MaineStream Finance and the Lewiston/Auburn Economic Growth Council, announced the winners of this year's Top Gun Showcase, June 7 in Portland. Eight participants from the Bangor, Rockport, Lewiston/Auburn and Portland Top Gun classes, representing the first- and second-place finishers from their respective regional pitch-off events, competed for the \$10,000 cash prize, according to the article. Thrivent Health won the grand prize, while Grojo Inc. won an in-kind prize from Microsoft valued at over \$120,000 as the highest-scoring tech company, [Mainebiz](#) reported. In the Bangor region, the Top Gun program is hosted and organized by UMaine in partnership with the MCED, and involves many local business sponsors, program advisers and mentors.

Free Press, AP advance Climate Change Institute art exhibit

13 Jun 2017

The [Free Press](#) and the Associated Press reported "The Art of Climate Science," an exhibit of photography and artwork illustrating the diverse research activities of students, faculty and staff of the University of Maine Climate Change Institute, will be on display June 16–Sept. 29 at UMaine's Hutchinson Center in Belfast. An opening reception will be held 4:30–7 p.m. June 16. The exhibition and reception in the H. Allen and Sally Fernald Art Gallery are free and open to the public. "The Art of Climate Science" features 88 photographs and works of art by CCI faculty, staff and students that capture the diverse landscapes, environments and methods researchers use to understand the past, current and future of Earth's climate system. "The Climate Change Institute has conducted research throughout the most remote reaches of the planet, from the poles to the highest mountains, and of course throughout Maine," said Paul Mayewski, CCI director. "The artwork in this exhibit provides examples of the landscapes that shape CCI's research world." [U.S. News & World Report](#) and [Maine Public](#) carried the AP article.

Mainebiz cites Steneck in article on warming oceans, threat to lobster industry

13 Jun 2017

[Mainebiz](#) quoted Bob Steneck, a professor of marine sciences at the University of Maine, about discussions that took place at the 11th International Conference & Workshop on Lobster Biology and Management hosted by UMaine and Boston University. Scientists and lobstermen meeting in Portland agreed they need to share information and be more proactive about the changes coming with warming oceans, [Mainebiz](#) reported. "There was an adversarial role between scientists and fishermen in the past," Dave Cousens, president of the Maine Lobstermen's Association, told the 200 attendees. He added that state biologists in the 1980s told lobstermen that the industry was crashing because of warming water temperatures, but then he met Steneck, who dove to the bottom of known lobster areas with his students and saw tons of lobsters. "He told me, 'You're going to be OK,'" Cousens added. "It was the beginning of good sea sampling [by fishermen working with] scientists." Steneck added that, "at the end of the day we are talking about sustainability, staying afloat in a complex world ... sustaining Maine's maritime heritage falls squarely on the lobster. If anything happens to the lobster, there's no safety net."

Jackson quoted in Press Herald column on native elderberries

13 Jun 2017

Tori Jackson, an associate professor of agriculture and natural resources with the University of Maine Cooperative Extension, was interviewed for the latest article in the [Portland Press Herald](#) "Maine Gardener" column. The article focused on Maine's native elderberries, which can be used as food, medicine and dye. Jackson said UMaine Extension began researching how best to grow elderberries in 2015 after commercial growers sought assistance. UMaine Extension is now testing 12 varieties of elderberry at Highmoor Farm in Monmouth, according to the article. In the wild, Jackson said, elderberries are found at woodland edges and beside lakes and streams, and part of the reason elderberries are being promoted as a commercial crop is that they can stand wet and otherwise marginal land that other crops can't tolerate. While the berries are said to range from bland to bitter when raw, they can be used in jam, pies and other baked goods, as well as wine, according to the article. Elderberry syrup is often used to treat influenza and other ailments, Jackson said, and the ink used to stamp meat in butcher shops is made from the berries.

WLBZ advances Fort Knox projection, art show

13 Jun 2017

[WLBZ](#) (Channel 2) spoke with University of Maine new media and intermedia professors and students about the upcoming free projection and art show at Fort Knox in Prospect. "FLOW Fort Knox" will be held from 3 to 11 p.m. June 24 at the Fort Knox and Penobscot Narrows Bridge and Observatory. It is produced by the Coaction Lab in association with UMaine's intermedia MFA and new media undergraduate programs, and in collaboration with the Friends of Fort Knox. The FLOW event series is focused on water as a precious resource that connects and supports the diverse range of living systems on Earth. "Water in general connects us all. We're all creatures of water," said event organizer Gene Felice, a professor of new media and intermedia at UMaine. Felice and his team have produced the focal point for the event — a large scale projection on the fort. Using projection mapping software, they are able to use multiple projectors to cover the fort's stone walls in colors, patterns and images simulating water, as well as live video, [WLBZ](#) reported. For the other artists involved, the project is about pushing the envelope and exposing the community to unique forms of art, according to the report. "It's my favorite part to see people see my work," said Eleanor Kipping, a student in the MFA program. "To bring in such a large structure that has so much social and historical meaning to a particular community I think increases the importance and the beauty of the work." [The Republican Journal](#) and [The Maine Edge](#) also published an article advancing the event.

Dayton Daily News interviews Allan about 'normalized' hazing

13 Jun 2017

[Dayton Daily News](#) of Ohio spoke with Elizabeth Allan, a professor of higher education at the University of Maine and director of the National Hazing Prevention Consortium, for the article, “Hazing ‘normalized’ in our culture, expert says.” Hazing is so ingrained among college organizations that it’s often not even recognized, according to Allan. “So much of hazing has become normalized in the culture,” she said. “You hear people rationalize it or dismiss it or minimize it, saying, ‘Oh, no, no, that wasn’t hazing, that was just an initiation, or that was just a tradition, or that was just for bonding.’” Allan said the egregious hazing cases get national attention, but many more go unreported. “When you have a law or a policy, it’s important, but it’s not enough,” she said. “There’s just a lot of work to be done to really sharpen the awareness of the general public, of the parents whose kids are going to school, of educators.”

Ippolito discusses social media etiquette related to grief in BDN article

13 Jun 2017

Jon Ippolito, a new media professor at the University of Maine, was interviewed by the [Bangor Daily News](#) for the article, “Experts say to respect ‘hierarchy of grief’ with death and social media.” “Facebook is increasingly the venue for older generations,” Ippolito said. But while younger adults who have grown up with social media more intuitively grasp the subtleties of online privacy, discretion and etiquette, he said, older users sometimes fail to observe basic guidelines when it comes to posting personal information. Ippolito said when it comes to spreading the news about a death, it’s important to defer to what is sometimes referred to as the “hierarchy of grief.” That means allowing the next of kin to take the lead in how and when the death is announced, the article states. In other words, unless you are the immediate next of kin, Ippolito said, “it’s not about you.” Detailed conversations, questions and family news about the death or funeral plans should be kept offline, the article states. Ippolito suggests starting a private Facebook group, open by permission, and limiting access to those who need to be involved.

WABI advances cybersecurity conference

13 Jun 2017

WABI (Channel 5) reported members of the public are invited to attend free presentations and tutorials during the annual conference of the U.S. Chapter of the International Emergency Management Society (TIEMS) at the University of Maine. The event, which runs June 12–16, is sponsored by the UMaine Cybersecurity Lab and the University of Maine System. “Computers are everywhere. If you’re carrying a smartphone, you’re carrying a very powerful computer,” said George Markowsky, a professor of computer science at UMaine who helped organize the conference. “It’s kind of a backbone that a lot of services rely on.” Understanding both the positives as well as the pitfalls of cyber technology during a disaster is the theme of this year’s event, WABI reported. “How do we better educate our citizenry to deal with the constant cyber harassment, cyberattacks that they’re under?” Markowsky asks. “Sometimes they don’t even realize that they’re being attacked. [With] proper organization, proper training, they can really improve their skills a lot. And that is our hope — to get people to not give up.” The Associated Press also previewed the conference. [U.S. News & World Report](#), Miami Herald and The Kansas City Star carried the AP report.

25 young African leaders travel to UMaine for 2017 Mandela Washington Fellowship

13 Jun 2017

For the second year, 25 young leaders from Sub-Saharan Africa will spend six weeks at the University of Maine’s Public Management Institute sponsored by the U.S. Department of State. During the Institute, June 16–July 30, the fellows will participate in a rigorous agenda of academic, professional, service and recreational activities statewide, including a weekend homestay with area host families. Members of the public are invited to attend weekly cultural exchange events on June 26, July 5, 11, 19 and 24. Details about the events will be [online](#). The Mandela Washington Fellowship is the flagship program of the Young African Leaders Initiative (YALI). The program empowers young African leaders through academic coursework, leadership training, mentoring, networking, professional opportunities and support for activities in their communities. Fellows are young leaders and experts in their fields with established records of accomplishment in their organizations, institutions, communities and countries. The Mandela Washington Fellowship provides 1,000 outstanding young leaders between the ages of 25 and 35 from across Africa opportunities to hone their skills at the nation’s top universities at institutes focused on business and entrepreneurship, civic leadership or public management. UMaine was one of 37 other institutions chosen to partner with the fellowship for 2017. The 25 fellows visiting UMaine are from Botswana, Democratic Republic of Congo, Côte d’Ivoire, Djibouti, Ethiopia, Ghana, Guinea, Kenya, Madagascar, Mozambique, Namibia, Niger, Nigeria, Seychelles, Sierra Leone, South Africa, Togo and United Republic of Tanzania. The UMaine Public Management Institute will offer academic sessions on topics including local and regional leadership, fiscal policy and financial management, innovation engineering, energy and environmental management, and Maine’s history and culture. In addition to coursework, fellows will meet with Maine government and business leaders, and participate in site visits and cultural experiences throughout the state. The site visits include a tour of the Maine State House and a visit to Indian Island to meet with leaders of the Penobscot Nation to learn about Maine’s history and cultural heritage. The fellows are scheduled to visit the Maine International Trade Center, Maine Turnpike Authority, Bar Harbor and Acadia National Park. Following the six-week Institute, the fellows will travel to Washington, D.C. for the Mandela Washington Fellowship Summit. During this event, the fellows will participate in networking and panel discussions with peers and U.S. leaders from the public, private and nonprofit sectors. Vice President for Research Carol Kim is co-leading the institute with Jonathan Rubin, director of the Margaret Chase Smith Policy Center, and Daniel Dixon, sustainability director. It is supported by faculty and staff from the School of Economics, School of Policy and International Affairs, Foster Center for Student Innovation, Climate Change Institute and School of Marine Sciences. More information about the Mandela Washington Fellowship is [online](#). To contact UMaine’s Mandela Fellows Program, email umaine.mwff@maine.edu. Contact: Walter Beckwith, 207.581.3729

Pasture walk at Wolfe’s Neck Farm June 21

14 Jun 2017

University of Maine Cooperative Extension, Wolfe’s Neck Farm and the Dairy Grazing Apprenticeship (DGA) program are hosting a pasture walk beginning at 6 p.m. June 21 at Wolfe’s Neck Farm in Freeport. The pasture walk will include a discussion led by dairy grazing apprentices who work at the farm under the auspices of the first national agricultural apprenticeship program approved by the U.S. Department of Labor. There are currently five apprentices at Wolfe’s Neck Farm. Wolfe’s Neck Farm ships its milk to Stonyfield Farm, Inc., in Londonderry, New Hampshire. Stonyfield has been a financial supporter

of the apprenticeship program at Wolfe's Neck Farm, in part to help build the next generation of organic dairy farmers in the Northeast. During the walk, the apprentices will discuss how they manage the pastures and forage program, and some improvements they have seen through management and frost seeding. UMaine Extension professor Rick Kersbergen, who currently serves as the education coordinator for the DGA program in New England, along with Sarah Littlefield from Wolfe's Neck, will discuss the apprenticeship program and how dairy farmers can get involved. For more information or to request a disability accommodation, contact Kersbergen at 342.5971, richard.kersbergen@maine.edu.

Morse speaks about local oysters in Press Herald report on Father's Day food ideas

14 Jun 2017

Dana Morse, a Maine Sea Grant researcher who works on shellfish aquaculture at the University of Maine's Darling Marine Center, was quoted in a [Portland Press Herald](#) article about local Father's Day food gift ideas. For dads who love oysters, the article recommends visiting the Damariscotta River, described as an "oyster nirvana," where millions of Maine's oysters are grown. Damariscotta River Cruises is offering a Father's Day special: Fathers sail free when accompanied by a paying guest, according to the article. The two-hour Oyster Farms & Seal Watching Tour will take you halfway down the river to view seven oyster farms and learn about the state's oyster industry, the article states. "The scenery is great, the setting's great," Morse said. "The boat's really comfortable, and the people that operate it — Chip and Olga — they're just great hosts. They know a lot about the river. They know a lot about the oyster farming, for sure, and they make it fun. I've been on that tour a couple of times, and it's a blast."

Climate report cited in BDN health article on hot days in Maine

14 Jun 2017

A University of Maine report was mentioned in the [Bangor Daily News](#) health article, "More evidence that Mainers can't handle the heat." Maine typically experiences one to five days each summer when the heat index approaches 95 degrees, according to the article. However, the Climate Change Institute's "Maine's Climate Future: 2015 Update" predicts the number of extremely hot days in Maine will jump to 10 to 15 summer days by 2060.

Mining Technology interviews Grew about impact of mining on environment

14 Jun 2017

Edward Grew, a research professor of geological sciences at the University of Maine, spoke with [Mining Technology](#) about the significant impact of mining on the environment and why experts believe a new mineralogical era called the Anthropocene Epoch merits acknowledgement. For the first time, researchers in America have identified a group of 208 mineral species that originated either principally or exclusively due to human activities, mostly large-scale mining, according to the article. "In a way, you can say that human activity has increased mineralogical diversity and that contrasts with its impact on biological diversity, which has not been very good," said Grew, a co-author of the report. According to Grew and his fellow researchers, human industry and ingenuity has done more to diversify and distribute minerals on Earth than any development since the rise of oxygen over 2.2 billion years ago, the article states.

Penobscot float trip

14 Jun 2017

<https://youtu.be/v63rPqbx1rE> [Read transcript](#) In the School of Earth and Climate Sciences' Earth Systems class students participate in hands-on learning in the field and on the river.

Transcript

Sean Smith: The Penobscot float trip was designed to give the students a firsthand look at the river and try to get the experience of watching how the water's flowing in different directions in the river. Also how it effects the structure of the bottom and how that relates to the water supply, the sediment supply, and the water shed in general. They are going to take that experience and develop a response to the hypothesis. Since the last glacial maximum the Penobscot River has evolved in to a sediment supply limited system. How would you sort that out? How would you test that hypothesis? What kind of things in the river are important to that outcome? **Hayden Pearson:** There are a couple different graduate projects. For me, it's actually really neat being about to come here just as a transfer in. Then you're doing all of this research. You're right in the middle of it. You can actually see results of what they've been working on. **Peter Koons:** You can have a mosaic of how the river changes, too. That basically is recording the roughness that Sean was talking about. **Hayden Pearson:** It's really neat as an undergrad to be able to help them with that research and see that some of the stuff that you did kind of relates to a bigger picture that also helps the scientific community as a whole. **Peter Koons:** We started in the year as 200 to accomplish something that I've always wanted to do, which is to try to get away from simply feeding the students content all the way through. **Sean Smith:** That's created by long-term processes that have shaped the bedrock and the topography of the landscape. **Peter Koons:** We wanted to give the students an idea of why it is that those of us that go into science actually do, what it is that's exciting about it. **Sean Smith:** Partial support for the activities was provided by the Senator George J. Mitchell Center for Sustainability Solutions and the National Science Foundation. The protection of water quality in an aquatic habitat is really important to our communities and to the state of Maine for a number of reasons. It's inspiring in terms of having a role in sustainability for future generations. **Peter Koons:** It's huge. Yeah, it really is. I mean you can see it in the students, anyway. They enjoy being on the river. **Laura Mattas:** It was absolutely fantastic. It's a beautiful state. It was a lot of fun. It was a very great experience. It definitely is going to help out in actual fieldwork when I move on to my own projects. **Sean Smith:** Times rho, g and h. **Laura Mattas:** We were able to see the equations that Sean had given us originally and how water actually responds as the equations do predict. We were able to apply that also to the different models we've seen in labs. **Hayden Pearson:** I'm a very visual learner. I like to be hands-on. I like to be outside. When you go out and you look at what they're showing you, you can see how it directly correlates to what you've been learning in class. It's not just the book learning. You're getting to go out and you're getting to see what it would actually look like in the landscapes that you're working on. **Peter Koons:** The Earth is a really dynamic place and because it's dynamic things change on many different time scales, but it's very difficult to teach that, I think. This, I think, gives the impression that there are multiple different time scales that are relevant to the kinds of behavior that they're observing. **Laura Mattas:** This department is absolutely phenomenal. I couldn't be happier being here. Wherever you're interested in specifically you get that and then you get broader experience with every single division in the department. I think it's the greatest school I could have possibly come to. [Back to post](#)

Lyon: Rising temps provide for conditions conducive for malaria transmission in Ethiopia

14 Jun 2017

Increasing temperatures are fostering more favorable conditions for the transmission of malaria into the highlands of Ethiopia, according to a study led by University of Maine associate research professor Bradfield Lyon. Traditionally, the cooler climate in the highlands has provided a natural buffer against malaria transmission. But new data indicate rising temperatures over the past 35 years are eroding this natural buffer and allowing conditions more suitable for malaria to climb into highland areas, says Lyon, who is based at the Climate Change Institute and in the School of Earth and Climate Sciences. People with malaria generally experience fever, chills and a flu-like illness. If they're not treated, severe complications and death can result. In 2015, the Centers for Disease control estimated 214 million cases of malaria occurred worldwide and 438,000 people died, mostly children in Africa. The elevation at which the necessary temperature thresholds are met has risen by more than 100 meters since 1981. "While a 100-meter increase may appear modest, we estimate that more than 6 million people currently live in areas with statistically significant increases in threshold temperature," he says. Malaria is a climate-sensitive disease, and while the biology of malaria transmission is complex, sufficiently low air temperatures inhibit the development of the malaria parasites that cause the disease. Air temperatures below approximately 18 degrees C (64 degrees F) and 15 degrees C (59 degrees F), respectively, effectively stop development of the *Plasmodium falciparum* and *P. vivax* parasites responsible for the majority of malaria cases in Ethiopia, says Lyon. Low temperatures also impede development rates and population density of the Anopheles mosquito, which transmits the disease. Lyon's study identified statistically significant increases in elevation for both the 18 degree C and 15 degree C thresholds in highland areas between 1981 and 2014. "The necessary temperature conditions for malaria transmission are now being met on an increasingly regular basis at higher elevations in the Ethiopian highlands, where a substantial population lives," says Lyon. In the highlands, sometimes referred to as the Roof of Africa, the height of the rugged mountain summits range from about 5,000 feet to nearly 15,000 feet. The [study](#), published in the journal Environmental Research Letters, utilized a [newly developed national temperature dataset](#) for Ethiopia, made possible by NOAA's Climate Program Office and Columbia University. The dataset combines hundreds of surface station observations with climate model output that incorporate satellite data and other information. Exceeding the minimum temperature thresholds necessary for malaria transmission does not itself point to an increase in the prevalence of malaria, say the researchers. "While the dynamics of malaria transmission are complicated and control efforts may significantly limit the impact of these temperature changes, our study shows a clear softening of the climate barrier to transmission in the Ethiopian highlands, potentially putting more people at risk," says Madeleine Thomson, co-author of the study and senior research scientist at the International Research Institute for Climate and Society at Columbia University in New York. Until recently, Lyon says this type of study was not possible due to a lack of quality controlled and sufficiently high spatial resolution climate data. "These new data allow us to examine the climate of the highlands in much more detail and confirm some of the anticipated changes of a warming Earth," he says. Contact: Beth Staples, 207.581.3777

UMM documentary airing on Maine Public

15 Jun 2017

"Whatever Works: Exploring Opiate Addiction," an hourlong documentary produced in a University of Maine at Machias video class led by Alan Kryszak will air on Maine Public at 10 p.m. June 15 and 11 a.m. June 17. UMM students involved in the project include Marc Brine, Natalie Cline, Jose Gurrola, Brennon Chipman, Carolin Moreta, Maximiliaan Peeters, Ciara Schoppee and Lorenzo Segura. The 2016 documentary is on [YouTube](#), and more information is online.

Economic impact study cited in Mainebiz article on brewers using local grains

15 Jun 2017

A study released by the Maine Brewers' Guild and conducted by the University of Maine School of Economics was cited in a [Mainebiz](#) report about craft breweries pledging to use more local grains in their beers. The study found there are close to 90 craft brewers in the state making a \$228 million economic impact in 2016 and employing a total of 2,177, both including multiplier effects from related businesses, the article states.

BDN publishes UMaine 4-H Camp method for campfire building

15 Jun 2017

The [Bangor Daily News](#) article, "How to build foolproof campfire for cooking," features a step-by-step method that is taught by instructors at the University of Maine 4-H Camp & Learning Center at Bryant Pond. It's used to teach students of all ages how to build a backcountry campfire for cooking meals over open flame, according to the article. The key is in building hot embers, the article states.

Mallory speaks with WVII about rainy spring, effect on crops

15 Jun 2017

Ellen Mallory, a University of Maine Cooperative Extension specialist and associate professor of sustainable agriculture, spoke with [WVII](#) (Channel 7) for a report about how the extra rain this spring can have an effect on crops, including strawberries and barley. The weather has pushed back planting dates for spring crops, according to UMaine researchers. "If you can't get in the field for any reason, and you're delayed by a couple weeks, well that plant doesn't have enough time to mature and put on growth before it goes into a reproductive phase, and the yield can be severely damaged," Mallory said. Although some local farmers had to choose to plant another crop because it was getting too late in the season, WVII reported, the delay is not devastating to most farmers, according to Mallory.

Johnson previews UMMA quilting event on WABI

15 Jun 2017

Kat Johnson, education coordinator at the University of Maine Museum of Art in downtown Bangor, was a recent guest on WABI (Channel 5). She spoke about the museum's weekend art activity associated with "Somewhere," a solo exhibit by New York artist Jason Bard Yarmosky. The exhibit features a series of paintings, drawings and video that explore issues of aging, specifically dementia and Alzheimer's, WABI reported. From 11 a.m. to 3 p.m. Saturday, June

17 and June 24, the museum will host a “Busy Quilt” session where guests can create a lap blanket for a person living with Alzheimer’s. Johnson described the blankets as having snaps, buttons and different elements to keep the user cognitively and physically engaged. The UMaine Center on Aging is a sponsor of the event, Johnson said.

Study finds warmer climate threatens spread of malaria in Ethiopia, media report

15 Jun 2017

Pakistan’s [The Nation](#), [Climate News Network](#), [VOA](#) and [Medical Xpress](#) reported on a new study led by Bradfield Lyon, an associate research professor in climate analysis at the University of Maine. Lyon found increasing temperatures are fostering more favorable conditions for the transmission of malaria into the highlands of Ethiopia. Most Ethiopians live in the country’s highlands, and have long enjoyed natural protection against mosquitoes carrying the malaria-causing parasites, The Nation reported. But the study found the buffered area has been shrinking since 1981. The study, published in the journal *Environmental Research Letters*, used a newly developed national temperature dataset for Ethiopia, made possible by NOAA’s Climate Program Office and Columbia University. “These new data allow us to examine the climate of the highlands in much more detail and confirm some of the anticipated changes of a warming Earth,” Lyon said.

DMC director to discuss resilience of coastal communities June 23

16 Jun 2017



[caption id="attachment_55788" align="alignright" width="223"] Heather Leslie[caption] Heather Leslie, director of the University of Maine Darling Marine Center, will talk about “Resilient Coastal Communities & Marine Ecosystems: Translating science into action” at 10:30 a.m. Friday, June 23 in Brooke Hall. Leslie’s talk kicks off the summer DMC science seminar series; eight renowned marine scientists will engage the public in topics ranging from studies conducted in the Gulf of Maine to exploration of the deep sea. Leslie also is the Libra Associate Professor in UMaine’s School of Marine Sciences. Her research focus is the ecology, policy and management of coastal marine ecosystems. “Coastal ecosystems are sources of healthy food and clean water,” she says. “Understanding how these systems work and how to be their effective stewards is vital to ensure both thriving ecosystems and local economies.” In the Gulf of Maine, one of the fastest-warming regions of the world’s oceans, environmental change presents a particular challenge. Economic conditions, habitat loss and overexploitation have the potential to either enhance or erode the resilience of coastal communities. At this first summer science seminar, Leslie will draw on her work in Maine and Mexico, and discuss how social and ecological resilience are changing the understanding and stewardship of coastal marine ecosystems. Leslie earned a bachelor’s degree in biology at Harvard University and a Ph.D. in zoology at Oregon State University. She conducted her postdoctoral research at Princeton University. Originally from Plymouth, Massachusetts, Leslie lives by the Damariscotta River in Newcastle, Maine with her two children and husband, Jeremy Rich, a fellow UMaine faculty member and microbial ecologist. The seminars are free; [online](#) registration is requested. For the complete schedule of speakers, visit the DMC [website](#). For a disability accommodation, call 563.3146.

Bridgton News covers tick-borne illness talk offered by UMaine Extension

16 Jun 2017

[The Bridgton News](#) reported on a presentation by Maine Center for Disease Control and Prevention employees that focused on tick- and mosquito-borne illnesses and how to prevent them. The lecture was offered through the Cumberland County Cooperative Extension and held at the University of Maine’s Regional Learning Center in Falmouth, according to the article. Approximately 100 people attended the free lecture on June 5, the article states.

Smithsonian cites Lobster Institute in article on Maine’s lobster boom

16 Jun 2017

[Smithsonian](#) included information from the University of Maine’s Lobster Institute in an article about Maine’s current lobster boom. Maine has had a commercial lobster industry since the 1700s, according to the article, but today, the state is faced with an unprecedented glut of lobsters. In the early 20th century, once-abundant lobster had become rare, according to the Lobster Institute, and “there were plenty of rumors about lobstermen turning to rum-running along the Maine coast during Prohibition days,” the article states.

Boothbay Register previews Leslie’s talk on resilience of coastal communities

16 Jun 2017

[Boothbay Register](#) reported Heather Leslie, director of the University of Maine Darling Marine Center, will talk June 23 about “Resilient Coastal

Communities & Marine Ecosystems: Translating science into action.” Leslie’s presentation kicks off the summer DMC science seminar series where eight renowned marine scientists will engage the public in topics ranging from studies conducted in the Gulf of Maine to exploration of the deep sea.^[1] The seminars will be held at 10:30 a.m. Fridays in Brooke Hall on the DMC campus, according to the article. Leslie, who also is the Libra Associate Professor in UMaine’s School of Marine Sciences, studies the ecology, policy and management of coastal marine ecosystems.^[1] At this first summer science seminar, Leslie will draw on her work in Maine and Mexico, and discuss how social and ecological resilience are changing the understanding and stewardship of coastal marine ecosystems.

Handley speaks with Kennebec Journal about central Maine strawberry crop

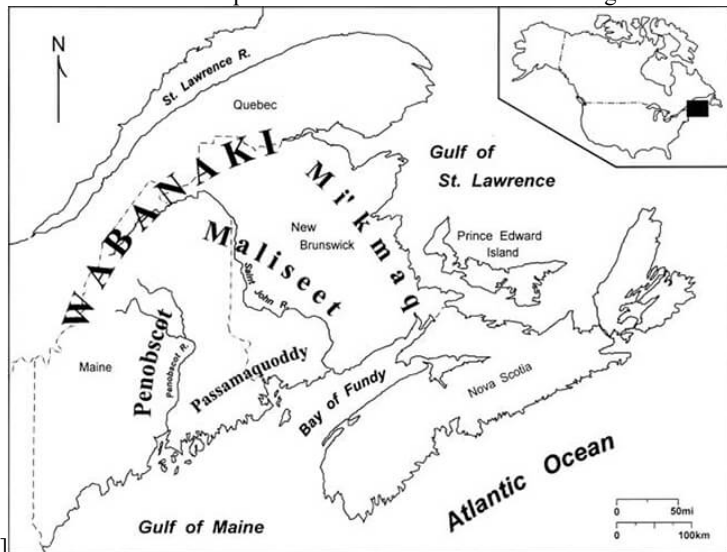
16 Jun 2017

David Handley, a University of Maine Cooperative Extension specialist of vegetables and small fruits, spoke with the [Kennebec Journal](#) for the article, “Wayne, Farmington strawberry growers say crop coming soon, looking good.” According to Handley, last summer’s drought had a big effect on the upcoming strawberry crop. The plant population is a little thinner because of the dry conditions last summer — except for those of growers with irrigation systems — but overall it looks good for the coming season, the article states. Handley said demand for strawberries and compensating for last year isn’t what might cause an increase in price this year. Instead, growers’ rising business costs could trickle down to the consumer. “Costs are going up with fertilizers, fuel to run the tractors and anything with energy,” he said. “And the cost of labor is going up because of the tight labor force. It’s the cost of doing business.” The Associated Press published a report citing the KJ article. The Sun Journal carried the AP report.

Passamaquoddy, Penobscots preserved mobility into 19th century

16 Jun 2017

Well into the 19th century, home for Native families continued to be where they camped, fished, hunted and gathered wood in Maine. For Wabanaki people, home wasn’t confined to, or defined as, one place. Nor was home bound by walls or lines on a map, says Micah Pawling, assistant professor of history and Native American studies at the University of Maine. Pawling says for Wabanakis — People of the Dawn — home was the integration of family and land.



[caption id="attachment_55799" align="alignright" width="475"] Wabanaki homeland in the 19th century. Map by Stephen Bicknell, formerly with the University of Maine Department of Anthropology.[/caption] Into the 1800s, Wabanaki people seasonally moved in and out of Euro-American societies in their partially colonized homeland. Native people facing colonial dispossession regularly left reservations to harvest resources at places their ancestors had periodically inhabited, Pawling says. For example, Penobscots remained active on the lower Penobscot River and in the resource-rich bay; Wabanakis reoccupied the Kennebec River valley; and Passamaquoddy families harvested wood in their traditional homeland near Pleasant Point (Sipayik). Increasingly, though, Pawling says Euro-American homes, farms and towns rendered some old Native campgrounds inaccessible. And when Wabanaki families camped and harvested firewood on private property, that sometimes Maine residents sought compensation from the state for those resources. Some farmers, though, believed they could not evict Native people from living on their land. At midcentury, Native people continued to retain components of a hunter-gatherer lifestyle, despite government officials attempting to impose a sedentary, limited concept of home and being reluctant to assist Native families in need beyond reservation lands. Pawling’s case study “[Wabanaki Homeland and Mobility: Concepts of Home in Nineteenth-Century Maine](#)” was published in *Ethnohistory* in October 2016. Contact: Beth Staples, 207.581.3777

Future of oyster industry in third-graders’ hands

19 Jun 2017

“Are we going to be dissecting something?” a Great Salt Bay third-grader asked as he entered the classroom. When he got a whiff of the empty petri dish in front of him, he announced, seemingly pleased with his guess: “Yup, this smells dissected.” For the next 45 minutes, he and other students learned about oyster anatomy by dissecting oysters and studying their shells. [caption id="attachment_55816" align="alignright" width="450"]



Beth Bisson, Maine Sea Grant associate director, assists Great Salt Bay third-graders with oyster dissection at the Darling Marine Center in Walpole. [caption] The next generation of oyster farmers are getting their training at an early age at the University of Maine Darling Marine Center. Nearly 50 third-graders from Great Salt Bay School visited the DMC to continue the oyster gardening project which they started last fall. In addition to dissecting oysters, they learned about intertidal zones, tagged and measured oysters and studied sea creatures under a microscope. The junior oyster gardening program began with a conversation between Dana Morse, an extension associate with UMaine Sea Grant and Cooperative Extension, and Alison Macmillan, a teacher at Great Salt Bay School. In 2004, with funding from Maine Sea Grant, Morse started an oyster gardening class for adults. Participants learned about oyster biology, aquaculture, estuarine ecology and more. Macmillan wondered if a similar program could be adapted for elementary school students. "It's really a natural fit," Morse said. "You've got biology, ecology, math, writing skills all wrapped up into one, and since there's a living animal involved, kids just get really engaged. Working with the teachers and students at Great Salt Bay has been a blast." Macmillan and fellow GSB teacher Jennifer Gregg created a successful pilot program for their students in the 2009–2010 academic year. The following year, GSB extended the program to the entire third grade, and now, junior oyster gardening is incorporated into the school's science standard. "It's completely aligned with our science curriculum," Gregg said. "We are practicing place-based education and kids learn about using their local environment as they grow oysters." This program is more than relevant for these students, since a lot of them have family members who are fishermen, aquaculturists and marine scientists. Experts in these fields visited third-graders to talk about the importance of the work for the local community and the nation. Aquaculture is the major waterfront industry in Maine, with farmers annually selling \$50 million to \$100 million in aquaculture products. Since 1970, the DMC has fostered pioneering research in the quest for clean and efficient growth of the marine economy. "The DMC is delighted to collaborate with Sea Grant and give students a chance to feel what it's like to be marine scientists. I find it rewarding," said Lili Pugh, DMC's K–12 education coordinator. Pugh has been involved with the junior oyster gardening program since 2011. "It's always good to get students excited about science," she said. Contact: Aliya Uteuova, aliya.uteuova@maine.edu

Damariscotta River Oyster Celebration to benefit Darling Marine Center

19 Jun 2017

Sea farmers of the Damariscotta River invite people to sample and shuck fresh oysters and learn about the marine environment on Saturday, June 24. The Damariscotta River Oyster Celebration will take place from noon to 3 p.m. at [Darrows Barn](#) in Damariscotta. Proceeds will benefit student researchers at the University of Maine Darling Marine Center in Walpole. Participating farms include Mook Sea Farm; Pemaquid Oyster Co.; Glidden Point Oyster Farms; Muscongus Bay Aquaculture Inc.; Norumbega Oyster Inc.; Dodge Cove Marine Farm; and Otter Cove Farms. At 1 p.m. Bill Mook of Mook Sea Farm will extend a welcome and talk about challenges of farming oysters in a changing ocean. Heather Leslie, director of the Darling Marine Center, will speak about collaborative research efforts that provide career training for undergraduate and graduate students interested in aquaculture. And Ryan McPherson of Glidden Point Oyster Farms will share tips for buying and eating oysters. Following these brief presentations, oyster farmers will take the stage for a Q&A session with Dana Morse, of Maine Sea Grant and Cooperative Extension, and Larry Mayer of the DMC. They'll answer questions about oysters, sea farming, ocean science and education. Maine's half-shell oyster industry was spawned at the Darling Marine Center. In the 1970s, with Sea Grant funding, graduate students and technicians working with Herb Hidu developed techniques for growing oysters in the clean, cold salty Damariscotta River. Those enterprising individuals went on to start the first oyster farms in Maine. The collaboration continues: Today, sea farmers and scientists work together to understand the changing ocean environment and adapt practices to keep businesses vital. The Damariscotta River Association, a sponsor of the event, will offer short, guided hikes from Darrows Barn to the [Whaleback Shell Midden State Historic Site](#) — one of the largest oyster shell mounds in the Northeast and the largest extant midden north of Georgia. The \$25 per-person ticket entitles each holder to two beverages and six oysters. Tickets can be purchased at the Walpole Barn on Route 129 in Walpole, Sherman's Maine Coast Book Shop on Main Street in Damariscotta and online at [EventBrite.com](#). Cash only tickets will be available at the door. Additional oysters and beverages will be for sale (cash only) at the event. Those who wish to take oysters home are encouraged to bring a small cooler; ice will be provided. Oyster lovers may also want to join the Maine Farmland Trust's Damariscotta River tour earlier that day. For more information and to purchase tickets, visit mainefarmlandtrust.org/event/harvesting-the-river.

UMaine Extension advising early detection to stem armyworm infestations

19 Jun 2017

Farmers throughout Maine should be on the lookout for a potential outbreak of armyworms (*Pseudaletia unipuncta*). The devastating pest normally feeds at night and much damage can occur before they mature. The preferred foods are grasses including corn, grains and perennial forage grasses. Armyworms will feed on other plants if grasses are unavailable. Once the grass has been devoured, the caterpillars will move in a mass to other fields. UMaine Extension has received several reports of armyworms in the state, as well as in New Hampshire and Vermont. “The last time we had a large outbreak was in 2001,” says UMaine Extension professor Richard Kersbergen. “That year, we also had a cool moist spring, similar to what we have experienced this year.” While the reports are preliminary, it is important for farmers to inspect their fields. Often, once damage is noticed, the pest has already devoured a considerable amount of the crop. The adult moths of armyworms lay their eggs in grassy areas — whether stray clumps of winter rye, grassy weeds in cornfields or unharvested hayfields and those in regrowth after a recent harvest. Ragged feeding on leaves and sawdust-like frass are indications of armyworms. Local wildlife also can be indicators, including unusually active flocks of crows in a field. Damage from large infestations can appear any time until June 30. Early detection is essential. By early July when infestations are at their peak, it will be too late for treatment. For more information, visit UMaine Extension’s [online](#) fact sheet on armyworms.

UMaine’s SVT Program wins national grand prize

19 Jun 2017

The University of Maine Surveying Engineering Technology Program has received the 2017 Surveying Education Award from the National Council of Examiners for Engineering and Surveying (NCEES), the organization’s top honor that comes with a \$25,000 grand prize. The Surveying Education Award recognizes surveying/geomatics programs that best reflect NCEES’ mission to advance licensure for surveyors in order to protect the health, safety and welfare of the public. UMaine’s SVT program was one of 26 entries. Award criteria included student outcomes and involvement, outreach and recruitment, and the promotion of licensure. “The University of Maine’s surveying and engineering technology program is impressive because it fosters the surveying profession in state, regionally and nationally,” says Joseph Paiva, NCEES Surveying Education Award juror and president-elect of the Surveyors and Geomatics Educators Society, in the award announcement [online](#).

UMaine Extension cited in Press Herald guide to building bee houses

19 Jun 2017

The [Portland Press Herald](#) cited information from the University of Maine Cooperative Extension in a feature on how to build a bee house. Though native bees do not produce honey, they are excellent pollinators, according to the article. If you have some basic woodworking skills and tools, you can build a bee house, where they can safely lay their eggs, the article states. Of the native bees, native leafcutter bees and mason bees are the most amenable to bee houses, and are good blueberry and cranberry pollinators, according to UMaine Extension.

Sen. Collins quotes Kaye in BDN op-ed on isolation among older adults

19 Jun 2017

U.S. Sen. Susan Collins cited Len Kaye, director of the University of Maine Center on Aging, in an opinion piece for the [Bangor Daily News](#), titled “Isolation is an epidemic among seniors. The antidote to this scourge isn’t another law.” Collins wrote that the Senate Aging Committee, which she chairs, recently held a series of hearings to investigate social isolation and loneliness in seniors, starting with consequences and ending with cures. Kaye testified during the hearings. “Let there be no doubt, social isolation is a killer and more Americans are living in isolation than ever before,” Kaye said.

Logue speaks with Morning Sentinel about importance of early education programs

19 Jun 2017

Mary Ellin Logue, an associate professor in the University of Maine College of Education and Human Development, was interviewed by the [Morning Sentinel](#) for an article about the state’s Early Head Start programs and potential budget cuts. Head Start agencies connect families and their children with health care, primary providers, mental health services and more, according to the article. “The origins of Early Head Start come out of our understanding of early intervention,” said Logue, who teaches early childhood education classes and has extensive experience with Head Start. “The key to early intervention is supporting families.” In these early experiences, she said, toddlers establish relationships with adults and learn through face-to-face interactions. The first few years “set the foundation for future learning,” she said, adding the connection with families is an important piece. “It’s about resiliency and vulnerability. There are a lot of people who have a rough time in life, but if they get a second chance, they can reset,” Logue said. “Head Start is a place where many families can start again and do better with their kids than their own experience was.”

Boston Globe publishes opinion piece by Socolow

19 Jun 2017

[The Boston Globe](#) published an opinion piece by Michael Socolow, an associate professor of communication and journalism at the University of Maine. The piece is titled, “Megyn Kelly’s interview with a sweaty, stammering Alex Jones wasn’t worth it.” [Boston.com](#) also cited the piece in an article about the interview.

BDN interviews Brzozowski, Rebar about keeping backyard chickens healthy

19 Jun 2017

Richard Brzozowski, a University of Maine Cooperative Extension food system program administrator, and John Rebar, executive director of UMaine

Extension, offered recommendations to the [Bangor Daily News](#) for an article about how to keep backyard chicken flocks healthy. Brzozowski advises developing and practicing an effective biosecurity plan. “You need to have these principles you follow and observe and develop a sort of routine and then know what to look for so you can spot any health issues,” he said. The only 100 percent effective way prevent any disease transfer is to place a flock in confinement, according to Brzozowski. But that’s not popular among today’s part-time poultry farmers who like to watch their small flocks enjoy free range time, Rebar said. In these cases, Rebar suggested keeping a flock as separate as possible from any other birds by using fencing and making sure anyone visiting hasn’t had contact with other birds within the previous 24 hours; avoiding introducing new birds without first quarantining the newcomers for at least two weeks; keeping things clean; immediately removing any dead or dying birds; and practicing safe and effective pest control as rodents can carry diseases harmful to poultry and humans. Rebar recommended poultry owners contact UMaine Extension if any of their birds dies suddenly for no apparent reason. UMaine operates a state-of-the-art diagnostic lab capable of performing necropsies to determine exact cause of death and advise the poultry owner, the article states.

Hutchinson Center exhibits artwork by Broadreach preschoolers

20 Jun 2017

The University of Maine Hutchinson Center will host “Celebrating Sprouts,” a unique display of the natural world as viewed through the eyes of children, June 30–July 21. More than 24 framed artworks highlight the creativity of preschoolers ages 2 to 5. The pieces were completed during the recent school year at Broadreach Family & Community Services, which offers an early education pre-K program and a new nature-based outdoor preschool known as “Sprouts.” A free public reception will be held 5–7 p.m. Tuesday, July 11 at the Hutchinson Center in Belfast. The event will include opening remarks about the value of nature-based learning by UMaine faculty member Susan Armistead, parent testimonials and a silent auction featuring selected art pieces by the children. All proceeds will benefit the early education programs of Broadreach Family & Community Services, a nonprofit organization. For more information or to request an accommodation, call Nancy Bergerson at 338.8049. Additional information about the Hutchinson Center is [online](#).

Third-graders conduct oyster gardening project at DMC, Boothbay Register reports

20 Jun 2017

[Boothbay Register](#) published a University of Maine news release about a group of third-graders from Great Salt Bay School who recently visiting the Darling Marine Center. The nearly 50 students visited the center to continue the oyster gardening project they started last fall. In addition to dissecting oysters, they learned about intertidal zones, tagged and measured oysters and studied sea creatures under a microscope. The junior oyster gardening program began with a conversation between a teacher at Great Salt Bay School in Damariscotta and Dana Morse, a Maine Sea Grant professional and shellfish aquaculture researcher. “It’s really a natural fit,” Morse said. “You’ve got biology, ecology, math, writing skills all wrapped up into one, and since there’s a living animal involved, kids just get really engaged. Working with the teachers and students at Great Salt Bay has been a blast.”

Mainebiz, BDN publish UMaine Extension’s armyworm warning

20 Jun 2017

[Mainebiz](#) and the Bangor Daily News reported the University of Maine Cooperative Extension has received reports of several outbreaks of armyworms, and it is warning farmers throughout the state to inspect their fields. “The last time we had a large outbreak was in 2001,” said UMaine Extension professor Richard Kersbergen. “That year, we also had a cool moist spring, similar to what we have experienced this year.” The devastating pest normally feeds at night and much damage can occur before they mature. According to a UMaine Extension [fact sheet](#), the armyworm’s preferred foods are grasses including corn, grains and timothy. They will feed on other plants if grasses are unavailable, Mainebiz reported.

Student speaks with WABI about efforts to restore American Chestnut tree

20 Jun 2017

Amanda Barbieri, a University of Maine student interning with the American Chestnut Foundation, was interviewed by [WABI](#) (Channel 5) for a report about how Maine is part of a national effort to restore the tree. A Stetson seed orchard that was planted in 2013 is among a handful in Maine being used as a testing ground for growing a resistant strain of the American Chestnut, WABI reported. “The most surprising to me was just how quickly they have grown these past few years. And we’ve also had a pretty good survival rate as well,” Barbieri said. She also is working with scientists at UMaine on seedlings in a greenhouse. Their process is similar to what’s going on at the seed orchards, with the goal of eventually being able to isolate surviving species earlier in their growing period, the report states.

ABC News interviews Bayer about 22-pound lobster

20 Jun 2017

ABC News spoke with Bob Bayer, executive director of the Lobster Institute at the University of Maine, for a report about a 22-pound lobster believed to be over 100 years old. Louie the lobster has been greeting customers at Peter’s Clam Bar in Hempstead, New York for 20 years, but the restaurant’s owner told ABC News he decided to let Louie go after he became aggressive. The Hempstead town supervisor officially pardoned Louie before he was placed onto a boat and released into the wild, according to the report. Bayer said Louie has a pretty good chance of surviving. “It’s not the ideal place to let it go, but I think he’ll be fine,” Bayer said. “If the water quality is reasonable that lobster will be fine. They run basically on instinct so it should be able to find food.” [WTOP](#) in Washington, News Channel Nebraska and KNSS in Wichita, Kansas carried the ABC Radio report. [Food & Wine](#) and [VegNews Magazine](#) also cited the report in an article on the topic.

UMaine demos gesture-based math program at virtual reality expo, WABI reports

20 Jun 2017

WABI (Channel 5) covered the Virtual Reality Immersive Expo hosted by the Maine Department of Education and Maine State Library in Augusta. The event

allowed Maine educators to discuss how they're using virtual technology in their curriculum and demo some groundbreaking programs, WABI reported. The University of Maine's Immersive Mathematics in Rendered Environments lab showed off HandWaver. Developed by students and recent graduates, the gesture-based program lets learners use their hands to explore mathematical objects in virtual three-dimensional space. "The idea is to be able to create an environment where learners at all levels can use gestures and natural movements of their hands to make and explore mathematical figures," said Justin Dimmel, an assistant professor of mathematics education and instructional technology at UMaine.

AP reports on green crab taste test results

20 Jun 2017

The Associated Press reported two University of Maine food scientists and a former graduate student believe they may have found a solution to the state's trouble with invasive green crabs. The crustaceans threaten Maine's marine economy because they're predators of softshell clams, which are one of the state's signature seafood items, the AP reported. Fishermen and state fishery managers have struggled to find ways to make the crabs worth catching to help control population. Now, Beth Calder and Denise Skonberg and former graduate student Joseph Galetti say they've created a food product that could be viable: green crab empanadas. The scientists published findings that about two-thirds of taste testers would "probably" or "definitely" buy the product if it was locally available, according to the article. Skonberg said one of the reasons it's important to find a commercial use for the crabs is their resilience. "They are hard to kill, and with the reproductive rate and the water warming, they are doing incredibly well," she said. "If we don't have any use for them at all, it's hard." The Washington Post, Albany Times Union, San Francisco Chronicle, [Portland Press Herald](#) and Maine Public carried the AP report. [Mainebiz](#), [The New Food Economy](#), [Hakai Magazine](#) and [Food & Wine](#) also published an article on the topic.

Hutchinson Center hosts free lecture on role of news media in public life

21 Jun 2017

The role of the news media in public life will be the focus of a July 10 lecture at the University of Maine Hutchinson Center by Josh Roiland, an assistant professor of journalism at UMaine. The 7 p.m. lecture, "Keep Calm and Scroll On: Understanding the News Media's Influence in Turbulent Times," is free and open to the public. In his lecture, Roiland, who also teaches in UMaine's Honors College, will examine the current media landscape, historical journalistic precedents and the ways the public uses news. Topics of interest will include: accusations about "fake news" and the promotion of "alternative facts," with an eternal question, "Does the news media still matter?" Roiland teaches and writes about journalism and democracy, and literacy journalism. His work has appeared in The Washington Post, Longreads, Nieman Storyboard and Literary Journalism Studies. For more information or to request an accommodation, contact Diana McSorley at 338.8093, diana.mcsorley@maine.edu.

Surveying Engineering Technology Program wins national award, media report

21 Jun 2017

[WVII](#) (Channel 7) and [Point of Beginning](#) (POB) reported the University of Maine Surveying Engineering Technology Program has received the 2017 Surveying Education Award from the National Council of Examiners for Engineering and Surveying (NCEES), the organization's top honor that comes with a \$25,000 grand prize. The award recognizes surveying/geomatics programs that best reflect NCEES' mission to advance licensure for surveyors in order to protect the health, safety and welfare of the public. UMaine's SVT program was one of 26 entries. Award criteria included student outcomes and involvement, outreach and recruitment, and the promotion of licensure.

Trostel's early education research cited in Press Herald editorial

21 Jun 2017

The [Portland Press Herald](#) editorial, "More needy children in Maine deserve quality early care," cited a study by Philip Trostel, a University of Maine economist. Trostel's [study](#), "Path to a Better Future: The Fiscal Payoff of Investment in Early Childhood in Maine," recommends full-time education for children from birth to age 5, estimating that it would boost the high school graduation rate for teenagers from low-income Maine families from 72.4 percent to 90.6 percent. Trostel's study also notes that access to child care through programs like Early Head Start makes it easier for parents to get and keep jobs, thus lowering their dependence on public assistance, the editorial states.

Sun Journal quotes Kersbergen in article on delayed crops

21 Jun 2017

Richard Kersbergen, a University of Maine Cooperative Extension professor and educator, was quoted in the Sun Journal article, "Farmers: Crops delayed, but quality looking good." Kersbergen, an agricultural expert, said his specialty is hay and corn in Knox, Lincoln and Waldo counties. Like other crops, corn planting was delayed this year, according to the article. "The same was true for hay," he said. "Ideally, they're done planting by now. Some still can't drive on the fields because they're pretty wet. We're behind."

NH Public Radio interviews Longcore about deadly fungus affecting frogs

21 Jun 2017

[New Hampshire Public Radio](#) spoke with Joyce Longcore, a chytrid researcher in the University of Maine's School of Biology and Ecology, for the report "Will a deadly fungus destroy N.H.'s frog population? The answer is complicated." Since it was first discovered, the chytrid fungus known as *Batrachochytrium dendrobatidis* or BD, has been implicated in massive die-offs of amphibians in the Caribbean, South America, Spain and Portugal, as well as in a few species in Africa, according to the report. Longcore said the fungus has been in parts of North America for more a century. "They can go back to museum specimens and test, and I think they have gotten back into 1800s," she said. Longcore added that bullfrogs in North America are actually resistant to BD, so it's possible the fungus could have started here and then spread to Central America.

Dill speaks with Sun Journal about protection against ticks, mosquitoes

21 Jun 2017

Jim Dill, a pest management specialist with the University of Maine Cooperative Extension, was interviewed by the [Sun Journal](#) for an article about tick and mosquito season. “It’s a bad year for ticks. There’s a lot of ticks around,” Dill said, adding deer ticks thrive in high humidity, which is what the state has had along with rain. Already, staff in his office are coming in from outside with “twice as many ticks as last year,” he said. “It could mean people are more aware, or it could mean it’s much worse.” He recommends wearing repellents on the skin, and a stronger repellent, Permethrin, for clothing only; wearing light-colored clothing; tucking pant legs into socks; and throwing clothes you’ve worn outside in the dryer for 15 minutes on high heat. “Most critical is to do tick checks every night when you’ve been out and about,” he said. How abundant mosquitoes are this year depends on where you are, Dill said. Mosquitoes breed in standing water, the article states. If something is too heavy to empty, like a birdbath, “flush it out with a hose once a week,” Dill suggested.

ORPC successfully concludes Power Take-off testing at UMaine

21 Jun 2017

Ocean Renewable Power Company (ORPC) has successfully completed full-scale testing of a specialized, water-lubricated bearing system and associated driveline components designed for underwater systems that capture energy from ocean tides and river currents at the University of Maine Advanced Structures and Composites Center. The purpose is to make the systems more durable and efficient, reduce operation costs and advance commercialization of marine hydrokinetic power systems. “This is a first step in solving technical challenges we had with past generation designs,” said Chris Sauer, ORPC co-founder and CEO. “We successfully collected several hundred hours of high-resolution data that verified our specialized bearing performed as expected. We look forward to further analyzing the results.” ORPC worked with the UMaine Composites Center because of its well-equipped testing facility and skilled personnel. “We were extremely pleased to conduct an extensive test program on ORPC’s bearing system and components in our laboratory, part of our ongoing mission to serve Maine through research and development,” said Habib Dagher, executive director of the UMaine Composites Center. “Maine needs renewable ocean-based energy to further diversify our energy sources and jump-start our coastal economies.” U.S. Sens. Susan Collins and Angus King said in a joint statement that “ORPC has established itself as a global leader in hydrokinetic energy, and this announcement is an exciting step forward in its ongoing work to develop this promising clean energy resource.” “By creating comprehensive hydrokinetic power systems, Maine is on the cutting edge of an innovative and affordable energy opportunity. We commend the hardworking men and women at ORPC whose work will both help provide clean energy and grow Maine’s economy,” they said. This is the first phase of ORPC’s project, Power Take-off System for Marine Renewable Devices, which is based on work supported by the Department of Energy under award DE-EE0006398. Future phases of the project will center on development of a highly rugged electrical generator to reduce failure rates. These innovations will advance the market opportunity for ORPC’s underwater power systems and the entire marine renewable industry — one that has great potential to create jobs by opening a market for reliable, secure energy from local resources. Since 2007, ORPC and UMaine have been collaborating to link the disciplines of marine science and engineering in pursuit of ocean energy excellence. Their work has included computer modeling of tidal currents, sub-scale technology testing and the pioneering of environmental monitoring technologies, techniques and analysis. ORPC has partnered with UMaine’s Maine Tidal Power Initiative, worked closely with the School of Marine Sciences and helped fund the work of graduate students. Contact: Josh Plourde, 207.581.2117

Pat Burnes retirement celebration slated June 26

22 Jun 2017

The University of Maine’s English Department invites members of the UMaine community to attend a retirement celebration in honor of Pat Burnes, an associate professor of English. The event will be held 3–5 p.m. Monday, June 26 in the McIntire Room of the Buchanan Alumni House. In lieu of gifts, there will be envelopes available at the celebration for donations to the Pat Burnes and Harvey Kail Professional Development Fund. For more information or to request a disability accommodation, email laura.cowan@maine.edu.

UMaine Ph.D. candidate receives Shackleton Academic Scholarship

22 Jun 2017

University of Maine graduate student Dulcinea Groff has been selected to receive a 2017 Shackleton Academic Scholarship. Groff, a doctoral candidate and NSF IGERT Fellow in ecology and environmental science, is one of five recipients from around the world to receive the annual award. The scholarship is given to graduate students who are pursuing research in the natural or social sciences in the South Atlantic and Falkland Islands. Groff, who has already completed three expeditions to the Falkland Islands, is examining the impact of sea-birds on the tussac grasslands around the island’s coast. Tussac grasslands are the breeding grounds for some of the southern hemisphere’s largest and most important seabird and marine mammal populations. Assessing the impact of seabird population on these environments will have useful implications for agriculture generally and for Falkland farmers whose lands include tussac grasses, according to a press release issued by the Shackleton Scholarship Fund. The Shackleton Scholarship Fund was created in 1995 to commemorate renowned explorers Sir Ernest Shackleton and his son, Edward Shackleton, and to stimulate research in the South Atlantic. More information about the Shackleton Scholarship is [online](#).

Seacoast Online advances container gardening, yardscaping workshops

22 Jun 2017

[Seacoast Online](#) reported the University of Maine Cooperative Extension’s Master Gardener Volunteers will offer July workshops at the Wells Reserve at Laudholm. “Container Gardening” will be held 4–6 p.m. Thursday, July 6 and “Yardscaping & Native Plants” will be offered 10 a.m.–noon Sunday, July 16. A \$10 fee to help defray the cost of containers, soil, plants and related materials is requested for the container gardening workshop. A \$5 donation is requested for the yardscaping event which will include a tour of the Native Plants Garden at Wells Reserve, a segment on identifying invasive species, and an exploration of native plant alternatives, the article states. For more information, or to register for either workshop, call 324.2814 or email rebecca.gowdy@maine.edu.

Foster's Daily Democrat reports on National History Day winners

22 Jun 2017

[Foster's Daily Democrat](#) reported Joseph Horne, from Noble High School in North Berwick, Maine, recently won a top prize at the National History Day competition at the University of Maryland. Horne earned the Captain Ken Coskey Naval History Award for his website, "The Portsmouth Naval Shipyard: Helping America Take a Stand Against the Axis Powers." Horne and 42 other middle and high school students from Maine earned the right to compete in one of five categories at the national event based upon their rankings at the state level. The state contest was held at the University of Maine in April. Other award winners at the national competition included Devin Gifford from Greely Middle School for her performance on the Triangle Shirtwaist Factory fire, and Samantha Norwood from Noble High School for her performance about Irish immigrants in Maine. Both girls received the Outstanding Entry from Maine Award, the article states. National History Day in Maine is a collaboration of UMaine, the Margaret Chase Smith Library, Maine Humanities Council and the Maine Historical Society.

UMaine product testing mentioned in BDN article on Bangor teen's macaron business

22 Jun 2017

The University of Maine was mentioned in a [Bangor Daily News](#) article about 14-year-old John Bapst High School student Jaelin Roberts and her passion for baking macarons. Two months ago, Jaelin and her mother Joan launched Simply Macarons by Jaelin, a line of macarons in 14 different flavors. Since the Roberts operate out of a certified home kitchen, they have to take a few extra steps in order to make sure their cookies are safe to sell to consumers, according to the article. As buttercream is made with heavy cream and butter, each flavor must go through process and product review testing by the University of Maine's School of Food and Agriculture to make sure it's shelf-stable, the BDN reported. "I drive her up to UMaine, and she gets out of the car and drops off her macarons," Joan Roberts said. "They've really gotten to know her up there." [WABI](#) (Channel 5) also reported on Jaelin's business.

Hazing study cited in Reading Eagle article on college reporting bill

22 Jun 2017

[Reading Eagle](#) included research from a 2008 University of Maine [study](#) in an article about newly proposed federal legislation that would require colleges to track and report hazing incidents. "Hazing in View: College Students at Risk," conducted by researchers Elizabeth Allan and Mary Madden, found that out of 11,000 college students, 55 percent of students experienced some form of hazing. Of those who endured hazing, 95 percent never reported it, the article states.

Maine Folklife Center cited in BDN article on bean-hole bean tradition

22 Jun 2017

Information from the Maine Folklife Center at the University of Maine was included in a [Bangor Daily News](#) article about the state's bean-hole bean tradition. Making bean-hole beans the old-fashioned way — by baking them for hours in cast-iron pots buried in the ground — is a Maine food tradition that is woven into the state's history and heritage, the article states. "The bean was an integral part of the Native American diet," according to the Maine Folklife Center's [online](#) bean-hole bean history. "Often called the 'poor man's meat,' beans are rich in protein, supplying a third of the essential amino acids to the corn, bean and squash trinity. In the northeast, Boston would not be called 'Bean-town' if it weren't for the beans adopted from the Native American custom of cooking beans and maple syrup with bits of venison or fish or corn."

ReNEWS reports on Ocean Renewable Power Company's successful UMaine testing

22 Jun 2017

[ReNEWS](#) (Renewable Energy News) reported Ocean Renewable Power Company has successfully completed full-scale testing of a specialized, water-lubricated bearing system and associated driveline components designed for underwater systems that capture energy from ocean tides and river currents. The testing was carried out at the University of Maine Advanced Structures and Composites Center and aimed to make the systems more durable and efficient, reduce operation costs, and advance commercialization of marine hydrokinetic power systems, according to the report. It was the first phase of ORPC's Power Take-off System for Marine Renewable Devices project, which is based on work supported by the Department of Energy.

BDN previews Collins Center for the Arts' 2017–2018 season

22 Jun 2017

The [Bangor Daily News](#) advanced the upcoming season of the Collins Center for the Arts at the University of Maine. The 2017–2018 season will include four Broadway touring musicals, five performances of chamber and classical music, two puppet-centric shows, and a performance by 14-year-old jazz piano prodigy Joey Alexander, according to the article. The season will kick off Sept. 16 with internationally acclaimed modern dance troupe Pilobolus. Pilobolus, founded in 1971 by seven dancers and choreographers including longtime Maine resident Alison Chase, now leader of her own company, is renowned for the physicality of its choreography, the BDN reported. "Shadowland," the performance the group has been touring since 2012, puts the dancers in front of moving screens to create shapes and characters out of their shadows, the article states. A full list of CCA performances, including high-definition broadcasts of the Metropolitan Opera and NT Live, is [online](#).

Reuters cites CCI data in report on Northern Hemisphere heatwave

22 Jun 2017

Data from the Climate Change Institute at the University of Maine was included in the [Reuters](#) article, "Extreme heat grips Northern Hemisphere on summer solstice." The CCI recorded temperatures in the Northern Hemisphere were 0.44 C (0.8 F) above the norm on Tuesday, June 20, compared with a global average of 0.25 C above usual, the article states. [Euronews](#) and [Independent.ie](#) of Ireland carried the Reuters report. [RFI](#) in France also cited the CCI data.

University of Hawai'i professor to talk about herring at DMC

23 Jun 2017

Alison Rieser, an environmental lawyer and University of Hawai'i at Manoa professor, will deliver a talk titled "The Herring's Empire" on Friday, June 30 at the University of Maine Darling Marine Center in Walpole. The Friday Science Seminar at 10:30 a.m. in Brooke Hall is free, but [online](#) registration is requested. Taxed by churches to feed worshippers and monarchs to build navies, the fluctuating seasons of herring sparked wars and inspired voyages of conquest, and were the basis for principles of fisheries science and international law. Artists and poets lauded the red herring and the silver darling, and for centuries women gutted and packed the fish. Rieser's talk celebrates the power of the beautifully colored fish to inspire the arts, science, law and politics, as well as to nourish and sustain cultures and adapt to a changing climate. Rieser is a professor of maritime geography and environment at the University of Hawai'i at Manoa, and professor emerita at the University of Maine Law School. Rieser was the founding director of the Marine Law Institute and taught marine resources law. She has broad experience as a marine policy adviser to governments and nongovernmental organizations. Her talk is part of DMC's summer seminar series, in which renowned marine science researchers engage the public in topics ranging from the studies of the Gulf of Maine to the exploration of the deep sea. The complete list of speakers is [online](#). For more information, or to request a disability accommodation, call 563.3146.

Science Summer Camps to begin in July

23 Jun 2017

University of Maine Science Summer Camps, which provide a fun and engaging way for children to experience science in new ways, will begin July 3. The weeklong, hands-on science immersion camps will include activities such as visiting the Emera Astronomy Center, making liquid nitrogen ice cream, racing rubber band boats, building bridges and constructing kaleidoscopes. Available camps are:

- Astronomy, July 3–7 for kindergarten through second grade, and Aug. 7–11 for grades three through five;
- Math and Art — July 17–21 for kindergarten through second grade, and July 24–28 for grades three through five; and
- Space and Energy — July 10–14 and Aug. 14–18 for grades six through eight.

More information, including registration and cost, is [online](#).

Nick Derba named UMaine baseball head coach

23 Jun 2017

University of Maine Director of Athletics Karlton Creech has named Nick Derba head coach of the UMaine baseball team, effective July 1. Derba, who assumed the role as interim head coach Dec. 17, 2016, becomes the 25th head coach of the squad. A news release about the appointment is [online](#).

Senior College summer classes available, Republican Journal reports

23 Jun 2017

[The Republican Journal](#) reported registration is open for classes offered through the Senior College at Belfast. Five daylong classes open to all ages will be held at the University of Maine Hutchinson Center, according to the article. The summer classes, which cost \$30 each, are "designed to pique your curiosity and interest," the article states. Registration is [online](#).

Morning Ag Clips, Sun Journal advance 'Preserving the Harvest' workshops

23 Jun 2017

[Morning Ag Clips](#) and Sun Journal reported the University of Maine Cooperative Extension is offering "Preserving the Harvest" workshops around the state throughout the summer. Upcoming workshop topics include an introduction to water bath canning and how to preserve strawberry jam, pickles and green beans. UMaine Extension staff and volunteers will lead the workshops where participants will learn hands-on, USDA-recommended food preservation methods. Cost is \$20 per person; participants receive a sample to take home. Fresh produce, canning jars and other canning equipment will be provided. Registration is [online](#).

UMaine mentioned in Ellsworth American article on sculpture book presentation

23 Jun 2017

[The Ellsworth American](#) reported Steuben sculptor and Schoodic International Sculpture Symposium founder Jesse Salisbury will introduce a newly published book, "Creating the Maine Sculpture Trail: Legacy of the Schoodic International Sculpture Symposium," at 7 p.m. June 25 at Hammond Hall in Winter Harbor. Salisbury spearheaded five sculpture symposiums between 2007 and 2014 on the Schoodic Peninsula and the University of Maine campus. He will make a visual presentation about the 34 participating sculptors and their granite and basalt creations scattered across the 270-mile Maine Sculpture Trail, according to the article. The 160-page book chronicles the unique project in many voices and photos, the article states.

Boothbay Register advances University of Hawai'i professor's herring talk

23 Jun 2017

The [Boothbay Register](#) published a University of Maine news release announcing Alison Rieser, an environmental lawyer and University of Hawai'i at Manoa professor, will deliver a talk titled "The Herring's Empire" on June 30 at the University of Maine Darling Marine Center in Walpole. The Friday Science Seminar talk at 10:30 a.m. in Brooke Hall is free, but [online](#) registration is requested. Rieser's talk celebrates the power of the beautifully colored fish

to inspire the arts, science, law and politics, as well as to nourish and sustain cultures and adapt to a changing climate. She is a professor of maritime geography and environment at the University of Hawai'i at Manoa, and professor emerita at the University of Maine Law School. Her talk is part of DMC's summer seminar series. The complete list of speakers is [online](#).

UMaine PD to participate in memorial Katahdin climb, Seacoast Online reports

23 Jun 2017

[Seacoast Online](#) and [Foster's Daily Democrat](#) reported members of the University of Maine Police Department will climb Mount Katahdin on June 24 as part of the national Cops on Top 2017 Summit for Heroes Memorial Climb. Cops on Top is a team of volunteers from the law enforcement and public safety community who undertake mountain climbing expeditions to honor the memories of those who have lost their lives in the line of duty, according to the article. This year's Maine Summit for Heroes event will be dedicated to the memory of Fryeburg police officer Nathan Desjardins. UMaine police officers will be joined by police officers from the departments of Kittery, York, Scarborough, Westbrook, Augusta and Orono, in addition to members of Maine's Drug Enforcement Agency, the article states.

Free Press, BDN cover Climate Change Institute art exhibit

23 Jun 2017

[The Free Press](#) and [Bangor Daily News](#) reported on an exhibit at the University of Maine Hutchinson Center in Belfast that features photography and artwork illustrating the diverse research activities of students, faculty and staff of UMaine's Climate Change Institute. About two-thirds of the art exhibitors are current or former CCI students, including Jill Peltó, whose watercolors have been used to illustrate the international State of the Climate report and other publications, and Mariusz Potocki, a contributing photographer for National Geographic, the Free Press article states. Molly Schaufler, the science program coordinator at the Hutchinson Center, suggested the exhibit idea to the CCI, according to the article. "I tell people about the art of climate science and they say, 'How depressing,'" she said. "They think of it kind of like the way they think about going on a diet: something they don't really want to do, even though they know they should. This exhibit isn't like that. This is about exploration and discovery." Nancy Bergerson, the gallery coordinator at the Hutchinson Center, told the BDN the exhibit was curated by the CCI, and she didn't know what it would include until the art arrived in Belfast. "I was just in awe of the diversity of the work," she said. "I think it just draws you into what is happening in all parts of the world. Most of us get to a point where we're just living in our little bubbles. We're really not aware. This exhibit opens your eyes, I guess you'd say." "The Art of Climate Science" runs through Sept. 29 in the H. Allen and Sally Fernald Art Gallery.

To protect crops, farmers could promote potato beetle cannibalism

26 Jun 2017

Colorado potato beetles can decimate spud crops by devouring the plants' foliage. That's a big problem for farmers in Maine where the 2016 potato harvest was valued at more than \$142 million. There's more unsettling news — each female Colorado potato beetle can lay about 600 eggs in a growing season. And the species — *Leptinotarsa decemlineata* — easily develops resistance to pesticides. What might slow their devastation of potato crops? Perhaps cannibalism, say University of Maine researchers. UMaine scientists Everett Booth, Andrei Alyokhin and Sarah Pinatti observed that in a laboratory, Colorado potato beetles faced with starvation, crowding and no opportunity to disperse ate beetle eggs, young beetles, injured beetles and other adults, particularly those who had just molted and were soft. Alyokhin, an entomologist and director of the School of Biology and Ecology, says even when Colorado potato beetles were given a choice between other adult beetles and mealworms, they ate their own species. The cannibalistic behavior might decrease in fields, though, as beetles facing difficult circumstances could disperse, he says. During periods of limited food availability, Alyokhin says engaging in cannibalism is a "lifeboat strategy" — it prolongs survival and prevents population extinctions. The researchers say Colorado potato beetle cannibals get an immediate benefit — a meal without investing a lot of search time. The cannibals also ingest beneficial nutrients that their regular diet doesn't provide. And survivors increase the relative amount of available resources by eliminating same-species competitors. The UMaine scientists say farmers could try to protect their potato crop by utilizing agricultural practices — including crop rotations and push-pull strategies — to create field conditions that favor Colorado potato beetle cannibalism. Sequential crop rotation can interrupt the life cycles and habitat of the potato beetles. And push-pull strategies introduce stimuli to make potato plants unattractive and simultaneously lure them toward an attractive source, where they concentrate and can more easily be destroyed. Alyokhin works at UMaine on the Orono campus and at Aroostook Farm, a 425-acre experiential research facility in Presque Isle. Booth, who earned his master's degree in entomology at UMaine, went on to work at the United States Department of Agriculture's Animal and Plant Health Inspection Service, Center for Plant Health Science and Technology in Buzzards Bay, Massachusetts. Pinatti took part in the research as an undergraduate student working on a capstone project for her bachelor's degree in biology. The team's findings are in the article "Adult cannibalism in an oligophagous herbivore, the Colorado potato beetle" published in April 2017 by Insect Science. Contact: Beth Staples, 207.581.3777

Nature walks to be offered at Orono Bog Boardwalk

26 Jun 2017

A series of nature walks will be offered this summer at the Orono Bog Boardwalk located in the Rolland F. Perry (Bangor) City Forest. Erik Blomberg, an assistant professor of wildlife population ecology at the University of Maine, will lead a bat walk 8–9:30 p.m. Tuesday, June 27 (rain date is June 28). Participants will use specialized recording equipment that detects and records a bat's echolocation calls to document the animals along the boardwalk and identify which species are present. The walk is limited to eight participants. Jen Lund, the state apiarist and bee inspector, will lead an insect walk 10–11:30 a.m. Saturday, July 1. Lund's walk, which is limited to 12 participants, will focus on some of the insects that inhabit the bog environment. Botanist and UMaine Professor Emerita Christa Schwintzer will lead a plant walk 9–10:30 a.m. Saturday, July 8. Twelve participants will look at examples of adaptations that bog plants have that allow them to live in wet, low-nutrient conditions. For more information or to register for a walk, email jim.bird@umit.maine.edu.

VillageSoup advances Belknap's talk on Herring Gut Learning Center

26 Jun 2017

[VillageSoup](#) reported Sam Belknap, executive director of the Herring Gut Learning Center in Port Clyde, will address members of the Spruce Head Community Hall and Historical Association on July 10. Herring Gut teaches students in grades 6 through 12 to embrace learning, Its goal is to encourage the preservation and economic development of coastal communities for present and future generations, according to the article. Belknap is scheduled to talk about the history of the organization, its curriculum, and plans for the future. A native of Damariscotta, Belknap is a National Science Foundation research fellow at the University of Maine, where he is finishing work on a Ph.D., the article states.

BDN interviews Keim about Maine Educational Opportunity Center enrollment

26 Jun 2017

The [Bangor Daily News](#) spoke with Karen Keim, director of the Maine Educational Opportunity Center, for an article about low enrollment in the federally funded program based at the University of Maine. MEOC targets the nearly three-fourths of Maine adults who don't have at least a bachelor's degree, offering help to overcome some of the most common hurdles for continuing education, according to the article. In most years, Keim said it's not difficult to fill the program's 2,269 spots before enrollment closes Aug. 31. This year, she said low unemployment statewide appears to put a damper on the number of people looking for higher education help. The program also is open to foreigners seeking asylum in Maine, the article states. In addition to helping participants who are seeking four-year degrees, the program also offers help connecting people with associate degree programs, career and vocational training, or certification programs, the article states.

McCarty discusses economical food preservation methods on WLBZ

26 Jun 2017

Kate McCarty, food preservation community education assistant for the University of Maine Cooperative Extension, spoke with WLBZ (Channel 2) about the most economical ways to preserve food that is grown in the garden. McCarty said freezing is the most cost-effective method at an average of 41 cents per pound, followed by hot water bath canning at 73 cents per pound, and dehydrating at 99 cents per pound. McCarty said the most costly method is pressure canning at an average of \$1.14 per pound, mainly due to the required equipment. However, certain foods, such as low-acid vegetables or anything with meat, need to be pressure canned to be preserved properly, McCarty said.

Derba named baseball head coach, media report

26 Jun 2017

The Associated Press, [Bangor Daily News](#), WABI (Channel 5), [College Baseball Daily](#) and [92.9 FM The Ticket](#) reported Nick Derba has been named head coach of the University of Maine baseball team, effective July 1. Derba, who assumed the role as interim head coach in December 2016, becomes the team's 25th head coach. "I'm very excited, but relief is more of what I'm feeling right now," Derba told the BDN. "I'm ready to go. I want to keep pushing the program in the right direction." UMaine announced a three-year contract for Derba, who has been on the coaching staff for four years. "Nick proved himself this season as interim head coach and in the national search process that began after the season ended and attracted a large group of highly qualified candidates," said Karlton Creech, director of athletics at UMaine. "We are confident in Nick's ability to recruit and coach high-caliber student-athletes who will be champions in the classroom, on the field, and in the community." This past season, Derba led the Black Bears to their highest win total in four years, media reported. [USA Today](#), The Kansas City Star and Miami Herald carried the AP report.

University of Maine announces spring 2017 Dean's List

27 Jun 2017

The University of Maine recognized 2,303 students for achieving Dean's List honors in the spring 2017 semester. Of the students who made the Dean's List, 1,727 are from Maine, 533 are from 29 other states and 43 are from 22 countries other than the U.S. Listed below are students who received Dean's List honors for spring 2017, 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
Abay	Betelhem	Addis Ababa		Ethiopia
Abraham	Diana	Brockton	MA	
Acheson	Erin	Arundel	ME	
Ackley	Matthew	Rockport	ME	
Ackley	Megan	Veazie	ME	
Adams	Molly	Caribou	ME	
Adams	Oliver	Cumberland Center	ME	
Agger	Dana	Newtown	PA	
Ahearn	Matthew	Medway	MA	
Ahern	Joseph	Bangor	ME	
Aiken	Kara	Westford	MA	
Aiken	Nicholas	Sheffield	VT	
Alamer	Mohammed	Orono	ME	
Alamo	Kylemartin	Boothbay	ME	
Albano	Michaela	Wells	ME	
Aldrich	Matthew	Windham	ME	

Alesse	Isabel	Weston	MA	
Alexander	Stephanie	New York	NY	
Alexandrou	Rachel	Orono	ME	
Ali	Yousuf	Orono	ME	
Allen	Mark	Winterport	ME	
Allen	Mathew	Sanford	ME	
Allie	Madison	Scarborough	ME	
Allisot	Sarah	Orono	ME	
Alnuwairan	Sahal	Orono	ME	
Alsaady	Thoalfakar	Old Town	ME	
Altvater	Samuel	Perry	ME	
Alvarez	Nicholas	South Portland	ME	
Aman	William	Lakeville	MA	
Amaral	Jillian	East Providence	RI	
Amato	Anthony	Westford	MA	
Amsden	Carly	Eliot	ME	
Anastasi	Katrina	Hollis	NH	
Andersen	Emilie	Orono	ME	
Andersen	Shayne	Holden	ME	
Anderson	Alec	Scarborough	ME	
Anderson	Greta	Jeffersonville	VT	
Anderson	Hanna	Brewer	ME	
Anderson	Ian	Jonesboro	ME	
Anderson	Stephanie	Salem	NH	
Andle	Joshua	Bangor	ME	
Andrews	Brady	Litchfield	ME	
Anzurez Uroza	Eduardo	South Portland	ME	
Apkhazava	Merab	Batumi		Georgia
Arabatzis	Paul	Saco	ME	
Arbo	Tyler	Newburgh	ME	
Archambault	Griffin	Wayland	MA	
Archer	Rebecca	Gray	ME	
Ardans	Christine	Calhan	CO	
Ardill	Luke	London		United Kingdom
Areno	Meagan	Old Town	ME	
Aretakis	Lucia	Pembroke	ME	
Armstrong	Coryn	Cumberland Center	ME	
Armstrong	Francesca	Easton	ME	
Arnold	Olivia	Ogunquit	ME	
Arsenault	Michaela	Cumberland Center	ME	
Arthur	Danielle	Canton	MA	
Arundel	Clayton	Saco	ME	
Arya	Nishchay	Hermon	ME	
Ashe	Jonathan	Walpole	MA	
Ashley	Bethany	Buxton	ME	
Assoumou	Kevin	Kumasi		Ghana
Audet	Alexander	Pittsfield	ME	
Audet	David	Augusta	ME	
Audibert	Sharon	Bangor	ME	
Austin	David	Fairfield	ME	
Austin	Eunyoung	Old Town	ME	
Austin	Sierra	Norwich	CT	
Avery	Taylor	Hampden	ME	
Ayotte	Elizabeth	Kennebunk	ME	
Ayotte	Stephanie	Saco	ME	
Babcock	Caroline	Fremont	NH	
Baert	Nathan	North Waterboro	ME	
Baez	Alan	Waterville	ME	

Bailey	Alexis	Newcastle	ME	
Bailey	Allison	Bath	ME	
Bailey	Hannah	Northport	ME	
Bailey	Nicole	Nepean	ON	Canada
Bailey	Taylor	Vassalboro	ME	
Baker	Emily	Bangor	ME	
Baker	Ian	South Berwick	ME	
Baker	Joshua	Glenburn	ME	
Baker	Sarah	Glenburn	ME	
Ballard	Brianna	Detroit	ME	
Ballard	Devin	Caribou	ME	
Ballinas	Mark	Glenburn	ME	
Balmer	Brielle	Vassalboro	ME	
Barber	Jack	Acton	MA	
Barbera	John	Yarmouth	ME	
Barberi	Conrad	Winterport	ME	
Barberi	Olivia	Winterport	ME	
Barbieri	Amanda	Wallingford	CT	
Barker	Cleo	Portland	ME	
Barker	Mary	Stockton Springs	ME	
Barnard	Linnea	Auburn	ME	
Barnes	Emily	Bradley	ME	
Barnes	Emma	Wexford	PA	
Barnes	Shyanne	Caribou	ME	
Barnes	Tyler	Old Town	ME	
Barnett	Alex	Veazie	ME	
Barra	Dominic	Wells	ME	
Barrett	Drew	Laconia	NH	
Barris	Alexander	Gorham	ME	
Barry	James	Bangor	ME	
Barry	Kyle	Hampden	ME	
Barry Grant	Camden	Brewer	ME	
Bartash	Bailee	Lincoln	ME	
Barto	Benjamin	Avon	CT	
Barto	Nicholas	Kennebunk	ME	
Baskett	Dante	Brunswick	ME	
Bassis	Michelle	Plainville	MA	
Bates	Gina	Merrimack	NH	
Bates	Kaylee	Oakland	ME	
Bates	Willow	Kennebunkport	ME	
Batista	Iris	Orono	ME	
Baudisch	Jeffrey	Wellesley Hills	MA	
Bauer	Aidan	Portland	CT	
Bauld	William	West Kennebunk	ME	
Baumann	Jacob	Falmouth	ME	
Bautista	Danielle Moorea	Moorpark	CA	
Beal	Stacey	Beals	ME	
Bean	Julia	Norfolk	MA	
Beane	Elizabeth	North Reading	MA	
Bearce	Justin	Hampden	ME	
Beaton	Cordell	Old Town	ME	
Beaudoin	Joseph	Kennebunk	ME	
Beaudoin	Nicolas	Woodland	ME	
Beaudoin	Samuel	Acton	ME	
Beaudry	Zachary	Searsport	ME	
Beaulieu	Maria	Skowhegan	ME	
Beauregard	Braden	Plainfield	CT	

Beauregard	Matthew	Stratton	ME
Beccia	Willow	Hudson	MA
Beck	Brooke	Bangor	ME
Becker	Samuel	Saint Paul	MN
Beebe	Connor	Reading	PA
Begin	Robert	Saco	ME
Behan	Jamie	Seekonk	MA
Beil	Vivien	Orono	ME
Beland	Bianca	Barkhamsted	CT
Belanger	Alexander	Dayton	ME
Belanger	Jordan	Moscow	ME
Belanger	Kirstie	Skowhegan	ME
Belanger	Michael	Amherst	NH
Belanger	Paige	Fairfield	ME
Belisle Haley	Abigail	Yarmouth	ME
Bellefleur	Abby	Auburn	ME
Beneski	Jessica	Revere	MA
Benner	Heather	Bangor	ME
Bennett	Abigail	Oxford	ME
Bennett	Molly	Falmouth	ME
Bennoch	Casey	West Bath	ME
Benson	Brawley	Greenbush	ME
Benson	Colin	Bangor	ME
Benson	Liam	Auburn	ME
Bergdoll	Eliana	Burnham	ME
Bergeron	Brett	Newmarket	NH
Bergeron	Jessalyn	Old Town	ME
Bergeron	Ryan	Howland	ME
Bergstrom	Jessica	Belfast	ME
Bernheim	Lilja	South China	ME
Bernier	Kyle	Sidney	ME
Bernier	Spencer	Greenville Junction	ME
Berrill	Emily	Gorham	ME
Berry	Chad Dexter	Peru	ME
Berry	Wyatt	Camden	ME
Bertin	Ryan	Gorham	ME
Betters	Gabrielle	Wells	ME
Bickford	Kacey	Benton	ME
Bickford-Duane	David	Orrington	ME
Biela	Kimberly	Southington	CT
Bierut	Alexa	Plymouth	MA
Billings	Kayla	Gorham	ME
Bilodeau	Juliana	Brewer	ME
Bilodeau	Katelyn	West Gardiner	ME
Binette	Maliyan	Milford	ME
Bishop	Jenna	Bangor	ME
Bisson	Haley	Lewiston	ME
Bisson	Mikaila	Hampden	ME
Bissonnette	Aaron	Orono	ME
Bistri	Donald	Newtonville	MA
Biswas	Oisin	Brewer	ME
Black	Alex	Fayette	ME
Blackdeer	Emma	Madison	WI
Blaine	Steven	York	ME
Blake	Austin	Westbrook	ME
Blake	Melissa	Gorham	ME
Blanchard	Matthew	Cumberland Center	ME
Blankenship	Macie	Milford	ME

Bleier	Kate	Wells	ME	
Blodgett	Rebecca	Parkman	ME	
Bloom	Jacob	Scarborough	ME	
Bloss	Amanda	Litchfield	ME	
Blouin	Ian	Etna	ME	
Blunt	Allison	South Berwick	ME	
Boardway	Garrett	Clifton	ME	
Bock	Christopher	Yarmouth	ME	
Boggs	Shelby	Orono	ME	
Bohrer	Isabel	Bar Harbor	ME	
Bois	Kevin	Westbrook	ME	
Boissonneault	Eve	Sudbury	ON	Canada
Boldebook	Joshua	Saco	ME	
Bolduc	Celine	Dixfield	ME	
Bolduc	Kellie	Waterville	ME	
Bolduc	Natalie	Dixfield	ME	
Bolduc	Samantha	Lisbon Falls	ME	
Bolduc	Samuel	Bangor	ME	
Bonnanzio	Anne	Milford	CT	
Bonneville	Lucie	Belfast	ME	
Bonney	Rachel	Oxford	MA	
Boomer	Sarah	Hampden	ME	
Boothby	Samantha	Ellsworth	ME	
Borger	Emily	Old Town	ME	
Bosworth	Sarah	Cape Elizabeth	ME	
Bouchard	Bryan	Levant	ME	
Boucher	Heather	Madawaska	ME	
Boucher	Tehya	Barre	VT	
Bouffard	Connor	Biddeford	ME	
Boulos	Jaime	New Gloucester	ME	
Bourget	Lucas	Auburn	ME	
Bourgoin	Brandon	Lee	ME	
Bourque	Ashlyn	Biddeford	ME	
Bousfield	Kayla	Glenburn	ME	
Boutaugh	Caryn	Millinocket	ME	
Bouthot	Justine	Biddeford	ME	
Boutot	Hunter	Old Orchard Beach	ME	
Bowen	Christopher	Plaistow	NH	
Bowen	Julia	Lisbon Falls	ME	
Bowie	Cameron	Orono	ME	
Bowie	Jordan	Windsor	ME	
Bowker	Jaycob	Eddington	ME	
Bowman	Evan	Hermon	ME	
Boyd	Logan	Houlton	ME	
Boynton	Maylinda	Belfast	ME	
Bozzelli	Racquel	Dover Foxcroft	ME	
Brace	Kayla	Lewis Lake	NS	Canada
Bradbury	Andrew	South Portland	ME	
Bradenday	Finn	Peaks Island	ME	
Bradford	Katrina	Corinth	ME	
Bradshaw	Jacob	Berwick	ME	
Brady	Erin	Scarborough	ME	
Bragdon	Austin	Madawaska	ME	
Bragg	Lily	Mount Vernon	ME	
Brainerd	Amanda	Bangor	ME	
Bray	Ryan	Cumberland Center	ME	
Brecker	Joshua	Waldoboro	ME	

Bresnahan	Thomas	Middleton	MA
Breton	Seth	Freeport	ME
Brett	Courtney	Portland	ME
Brewer	Erin	Poland	ME
Brewer	Evan	Bangor	ME
Brickman	Emma	Fort Kent	ME
Briggs	Alyson	Bangor	ME
Bristol	Genevieve	Etna	NH
Britton	Eric	Falmouth	ME
Britton	Jack	Falmouth	ME
Bromberg	Caroline	Bar Harbor	ME
Bromley	Alexandria	Voorhees	NJ
Brooks	Drew	Lyman	ME
Brooks	Rachel	Clifton	ME
Brown	Aaron	Clinton	ME
Brown	Caden	Manchester	ME
Brown	Chelsea	Deer Isle	ME
Brown	Isiah	Dixfield	ME
Brown	James	Scarsdale	NY
Brown	Jennifer	Orono	ME
Brown	Justin	Ellsworth	ME
Brown	Lindsey	Lincolntonville	ME
Brown	Molly	Bar Harbor	ME
Brown	Shabrilie	Orono	ME
Brownawell	Hannah	Rockport	ME
Bryant	Hailey	Gorham	ME
Bryant	Larissa	Dixfield	ME
Buck	Regan	Sanford	ME
Bucklin	Jacob	Searsport	ME
Bucknell	Adam	Gorham	ME
Buda	Katelynn	Wampsville	NY
Budri	Mariza	Portland	ME
Budri	Natalia	Portland	ME
Bullard	Andrew	Alfred	ME
Bullard	Daniel	Alfred	ME
Bullock	Olivia	Millstone Township	NJ
Buonomano	Nolan	Fitzwilliam	NH
Burdeau	Aaron	Portland	ME
Bureau	Destiny	Glenburn	ME
Burger	Joseph	Tewksbury	MA
Burgess	Jacob	North Berwick	ME
Burgess	Mitchell	Standish	ME
Burgess	Mitchell	Veazie	ME
Burkard	Alyssa	Searsport	ME
Burkard	Jay	Stockton Springs	ME
Burke	Jeffrey	Bangor	ME
Burke	Nathaniel	North Chelmsford	MA
Burman	Caitlyn	Machiasport	ME
Burns	Emily	Hermon	ME
Burr	Patrick	Hartland	ME
Burris	Amber	Orrington	ME
Burton	Abbie	Bar Harbor	ME
Burton	Dylan	Oakland	ME
Burton	Kaitlyn	Portland	ME
Bush	Caroline	Holden	ME
Bush	Matthew	Orono	ME
Bushey	Margaret	Biddeford	ME
Bussiere	Chantal	Norwood	MA

Bussiere	Jasmine	Jay	ME
Bussiere	Joshua	Casco	ME
Buswell	Carly	Stetson	ME
Butler	Christopher	Bar Harbor	ME
Butler	Cole	Auburn	ME
Butler	John	Newport	ME
Butler	Kendall	Harwinton	CT
Butts	Erin	Brunswick	ME
Buyaskas	Michael	Clifton Park	NY
Buzzelli	Angelina	Charleston	ME
Byard	Tessa	Dedham	ME
Byrne	Devin	Old Lyme	CT
Byrnes	Meaghan	Windham	ME
Byron	Christopher	North Yarmouth	ME
Caccese	Vincent	Bangor	ME
Cadran	Haley	New Gloucester	ME
Cahoon	Skye	Wrentham	MA
Caliendo	Marcus	Portland	ME
Callahan	Emily	Raymond	ME
Callahan	Kathryn	Bangor	ME
Callaway	Rachael	Old Town	ME
Campbell	Brody	Exeter	ME
Campbell	Morgan	Bangor	ME
Campbell	Rebecca	Sanford	ME
Capistrant-Fossa	Kyle	West Springfield	MA
Capone	Isabella	Windham	NH
Car	Noah	Hobe Sound	FL
Carey	Brendan	Lincolnton	ME
Carey	Mariah	Plymouth	ME
Carignan	Jessica	Medway	MA
Carle	Forrest	Calais	ME
Carlin	Karyn	Surry	ME
Carlson	Maeve	Wiscasset	ME
Carlson	Onycha	Gray	ME
Carlson	Rachel	Lutz	FL
Carlucci	John	Danbury	CT
Carney	Lara	Orono	ME
Caron	Chad	Milford	ME
Caron	Derek	Auburn	ME
Caron	Molly	Holden	ME
Caron	Vanessa	Sanford	ME
Carpenter	Cynthia	Williston	VT
Carpenter	Noah	York	ME
Carpentier	Bradford	Windham	ME
Carr	Josh	Calais	ME
Carrier	Grant	Harpswell	ME
Carroll	Cassandra	Enfield	CT
Carroll	Hugh	Peaks Island	ME
Carroll	Nathan	Millville	MA
Carron	Leah	Detroit	ME
Carten	Sarah	Reading	MA
Carter	Bailey	Fairfield	ME
Cartlidge	Calen	Old Town	ME
Caruso	Paul	Cumberland Center	ME
Casals	Daniel	Miami	FL
Casey	Julia	Brunswick	ME
Cashin	Jennifer	New Boston	NH

Cashman	Andrew	Scarborough	ME	
Cashman	Sean	Old Town	ME	
Casillas	Alejandro	Houlton	ME	
Cass	Kevin	Cumberland Foreside	ME	
Casta Sombrero	Lucia	Arroyo de La Encomienda		Spain
Castonguay	Arianna	Augusta	ME	
Castonguay	Nicole	Wayne	ME	
Castonguay	Rachel	Wayne	ME	
Castro	Anthony	Cape Elizabeth	ME	
Caswell	Kirsten	Searsport	ME	
Cates-Wright	Dakota	Whiting	ME	
Cedrone	Evan	Manchester	CT	
Chadwick	Nicole	Gardiner	ME	
Chamberlain	Samuel	Orono	ME	
Chamberland	Kevin	Winthrop	ME	
Chamberlin	Mary	Bar Harbor	ME	
Champagne	Jessica	West Gardiner	ME	
Champagne	Josie	Fairfield	ME	
Chant	Mason	Perkasie	PA	
Chappell	Brett	Rock Falls	IL	
Charalambous	Alexander	Brewer	ME	
Charest	Amanda	New York	NY	
Charest	Sophie	Auburn	ME	
Charette	Audrey	Hermon	ME	
Charles	Sydney	Fryeburg	ME	
Charlton	Amanda	Lexington	MA	
Charpentier	Daniel	Wells	ME	
Charpentier	Jordan	Orrington	ME	
Charpentier	Lily	Naples	ME	
Chase	Aaron	Concord	NH	
Chase	Samuel	Bangor	ME	
Chason	Donna	Old Town	ME	
Chasse	Meaghan	Bucksport	ME	
Chasse	Nicholas	Bangor	ME	
Chasse	Taylor	Veazie	ME	
Chavaree	Catherine	Bangor	ME	
Chelberg	Benjamin	Hermon	ME	
Chen	Calvin	South Portland	ME	
Chen	Pianpian	Bucksport	ME	
Chervenak	Donald	Windham	ME	
Chesley	Brittany	Pittston	ME	
Chituck	Nyia	Knox	ME	
Christensen	Jennifer	Waterville	ME	
Church	Miranda	Dover Foxcroft	ME	
Claflin	Corey	Newburyport	MA	
Clark	Brandon	Fort Fairfield	ME	
Clark	Joshua	Brunswick	ME	
Clark	Kaitlin	Standish	ME	
Clark	Kevin	Merrimac	MA	
Clark	Matthew	Orono	ME	
Clark	Mea	Northeast Harbor	ME	
Clark	Sally	Hudson	ME	
Clarke	Naedia	Randolph	MA	
Clasby	James	Loudon	NH	
Clavette	Renee	South Berwick	ME	
Clayboss	Alexandra	Austin	TX	
Cleary	Julia	Wakefield	MA	

Cleary	Spencer	Marstons Mills	MA	
Clemens	Jennifer	Bar Harbor	ME	
Clement	Andrew	Falmouth	ME	
Clements	Jonathan	Newburgh	ME	
Clifford	Dillon	Lisbon Falls	ME	
Cline	Hunter	Gilead	ME	
Closson	Matthew	Hampden	ME	
Cloutier	Hannah	Old Town	ME	
Cloutier	Moriah	Vassalboro	ME	
Cloutier	Troy	Waterboro	ME	
Cmar	Leeanna	Bow	NH	
Cochran	Emma	Surrey	BC	Canada
Cohen	Sophie	Warren	ME	
Cohen	Tyler	Rockville	MD	
Coker	Hannah	Carlisle	PA	
Colan	Hannah	Readfield	ME	
Cole	Kelsey	York	ME	
Cole	Nathaniel	Bucksport	ME	
Colfer	Thomas	West Gardiner	ME	
Collias	Joseph	Wilton	CT	
Collins-Casey	Krensa	Brighton	CO	
Collupy	Jacob	East Waterboro	ME	
Comrie	Mason	Wallingford	CT	
Conant	John	Crofton	MD	
Conner	Michelle	Monmouth	ME	
Conrad	Olivia	Yarmouth	ME	
Cook	Jacquelyn	Lancaster	PA	
Coppens	Matthew	Ajax	ON	Canada
Coppola	Anthony	Kennebunk	ME	
Corey	Taylor	Plainville	MA	
Cormier	Kaleb	Van Buren	ME	
Cormier	Maria	Sullivan	ME	
Cormier	Mariah	Hampden	ME	
Corneil	Tawnie	Bangor	ME	
Correale	David	Bangor	ME	
Correale	Jessica	Bangor	ME	
Corson	Megan	Bangor	ME	
Cosgrove	Kristin	West Gardiner	ME	
Cosgrove	Sydni	Bangor	ME	
Costello	Sara	Yarmouth	ME	
Costello	Sarah	Corinna	ME	
Costigan	Eliza	Eddington	ME	
Costin	Shea	South Berwick	ME	
Cote	Alexis	Madawaska	ME	
Cote	Jessica	Lewiston	ME	
Cotter	Summer	East Sandwich	MA	
Coughlin	Patrick	Cambridge	ON	Canada
Coulter	Everett	Saint Albans	ME	
Courtney	Justin	Bangor	ME	
Courtney	Saffron	Arundel	ME	
Courtois	Shelby	Saco	ME	
Cousins	Brittany	Milford	ME	
Couture	Emalee	West Gardiner	ME	
Cowger	Felicia	Weston	ME	
Cox	Chessie	Boston	MA	
Coyle	Cormac	Lebanon	NH	
Coyle	Joshua	Cumberland Center	ME	
Craig	Jovon	Brewer	ME	

Crawford	Anthony	Wells	ME
Crawford	Loreli	Eddington	ME
Crawford	Michael	Topsham	ME
Cray	Meghan	Bangor	ME
Cray	Taylor	Readfield	ME
Crist	Andrew	Brownville	ME
Crocker	Brandon	Glenburn	ME
Cronin	Taylor	Naples	ME
Crooks	Emma	Acton	MA
Cropley	Colleen	Hermon	ME
Cross	Heather	Barton	VT
Cross	Samuel	South Portland	ME
Crouse	Bryan	Westbrook	ME
Crowley	Jamie	Old Orchard Beach	ME
Crowley	Kimberly	Orono	ME
Cuadros	Alexandra	Old Town	ME
Cummings	Madison	Belfast	ME
Cunney	Andrea	Brewer	ME
Cunningham	Isobel	Raymond	ME
Cunningham Tuthill	Rachel	North Providence	RI
Curran	Nicolette	Skowhegan	ME
Curtin	Jessica	Dover Foxcroft	ME
Curtis	Alyssa	Eliot	ME
Curtis	Brooke	Skowhegan	ME
Cusato	Felicia	Marlton	NJ
Cushman	Jaycee	Mercer	ME
Cushman	Rylee	Hermon	ME
Cutting	Kathryn	Sebago	ME
Cyr	Shane	Lisbon	ME
Cyr	Shaylyn	Glenburn	ME
D'Alessio	Daniel	Rockland	MA
D'Angelo	Fara	Argyle Township	ME
Dagher	Anna-Maria	Veazie	ME
Dagher	Katerina	Veazie	ME
Daley	Jennie	Sullivan	ME
Daly	Courtney	Scarborough	ME
Damon	Brianna	Sumner	ME
Dana	Madalyn	Perry	ME
Dana	Mingwun	Greenbush	ME
Danahy	Cassandra	Natick	MA
Dang	Luke	Augusta	ME
Danner	Alexander	Waterville	ME
Daoud	Sabrina	Rumford	ME
Dapice	Ethan	Brewer	ME
Darling	Lacey	Old Town	ME
Darragh	Jade	Bucksport	ME
Dassow	Timothy	Caribou	ME
Davan	Kiley	Freeport	ME
David	Nicholas	Cromwell	CT
Davidson	Kevin	Montville	ME
Davies	Meagan	Sutton	MA
Davis	Daniel	Dedham	ME
Davis	Reed	Dedham	ME
Davis	Troy	Warner	NH
de Silva	Amy	North Dartmouth	MA
Dean	Sarah	Industry	ME
DeBrock	Spencer	Newtown	CT
Dechaine	Cassandra	Waterville	ME

Decker	Christopher	Westbrook	ME
Deering	Emily	South China	ME
DeForest	Sally	Orono	ME
Degen	Tristan	Bangor	ME
DeGone	Anthony	Turner	ME
DeGone	Brianna	Turner	ME
DeHaas	Abigail	Carmel	ME
Delcourt	Meaghan	Old Town	ME
DeLorenzo	Kristiana	Bridgewater	MA
DeMello	Benjamin	Rochester	MA
DeMello	Sara	Rochester	MA
Demers	Megan	Gorham	ME
Demick	Cassandra	Cumberland Center	ME
Demin	Elizabeth	Saco	ME
Demosthenes	Jacob	Topsham	ME
Denery	Keegan	Bath	ME
Denis	Alex	Topsham	ME
Densmore	Siobhan	Portland	ME
Deon	Hanna	Industry	ME
DeRaps	Katelyn	Franklin	ME
Deroche	Caroline	Eddington	ME
Derrick	Alyssa	Coventry	RI
Deschaine	Jonathan	Dedham	ME
Deschene	Eric	Fort Kent	ME
DesJardin	Nancy	Winterport	ME
DeSoto	Brianna	Gardiner	ME
Desrochers	Spencer	Biddeford	ME
Detwiler	Sean	Arrowsic	ME
DeVoe	Savannah	Naples	ME
Diamanti	Jacob	Burlington	NJ
Dickens	Sarah	Holden	ME
Dickey	Grant	Olney	MD
Dickson	Bethani	Charleston	ME
Dickson	Caroline	Fairfax	VA
Dietrich	Alexis	Freeport	ME
Dignan	Jason	Bangor	ME
Dillingham	Julia	Turner	ME
Dillon	Seth	Madison	ME
DiMatteo-LePape	Asha	Brattleboro	VT
DiMauro	Pierce	Mount Desert	ME
DiPhilippo	Isabella	Scarborough	ME
Discatio	LaRae	Scarborough	ME
Dixon	Brandon	Solon	ME
Doak	Lauren	Fort Kent	ME
Doak	Sarah	Stockholm	ME
Docos	Gunnar	Harrison	ME
Dodge	Jacob	West Gardiner	ME
Dodge	Morgan	Lee	ME
Dodier	Leah	Eliot	ME
Dodson	Carly	Etna	ME
Doe	Stewart	Kennebunkport	ME
Doherty	Connor	Scarborough	ME
Doherty	Timothy	Portsmouth	RI
Doiron	Cara	Bangor	ME
Dolinski	Lauren	Holyoke	MA
Domagala	Mitchell	Ellsworth	ME
Donadio	Sophia	Middletown	CT

Donnelly	Ian	Windham	ME
Donnelly	Joshua	Brewer	ME
Donovan	Sean	Marshfield	MA
Doody	Kevin	Canton	MA
Dore	Kelsey	Aberdeen	SD
Dorr	Madeline	McLean	VA
Dorransoro	Vanessa	Walpole	MA
Doualeh	Souban	Lewiston	ME
Doughty	Candace	Brewer	ME
Douglas	Annita	Biddeford	ME
Douglass	Chloe	Orono	ME
Douglass	Derek	Bridgton	ME
Douglass	Lyle	Phippsburg	ME
Dow	Rachel	Mapleton	ME
Dow	Sophia-Caleigh	Millinocket	ME
Dowd	Kailey	Mendon	MA
Dowman	Emily	Essex Junction	VT
Downey	Coltan	Groton	MA
Downing	Mindy	Brownville	ME
Doyle	Johna	Gorham	ME
Doyon	Emily	Biddeford	ME
Drake	Hunter	Hudson	MA
Drewrey	Kevin	Medway	ME
Drinkwater	Maggie	South Thomaston	ME
Drinkwater	Nicholas	North Billerica	MA
Driscoll	Anna	Scarborough	ME
Driscoll	Sean	Haverhill	MA
Drown	Susannah	Bangor	ME
Drum	Philip	Silver Spring	MD
Dubay	Cameron	Auburn	ME
Dube	Kaitlyn	Woolwich	ME
Dube	Katherine	Arundel	ME
Dube	Mark	Searsport	ME
DuBois	Desirae	Old Town	ME
Duddy	Benjamin	Cape Elizabeth	ME
DuEst	Sydney	Scarborough	ME
Duffy	Shannah	Brunswick	ME
Dufour	Ryan	Glenburn	ME
Dugas	Marc	Milton	MA
Duggan	Ashley	Old Town	ME
Duggan	Kayleigh	West Roxbury	MA
Dumas	Adam	Gray	ME
Dumas	Patrick	Gray	ME
Duncan	Katrina	Bangor	ME
Dunn	Avery	Dayton	ME
Dunn	Nigel	Falmouth	ME
Dunning	Michael	Orrington	ME
Dupont	Taylor	North Berwick	ME
DuPont	Tyler	Bucksport	ME
Duran-Frontera	Emily	Old Town	ME
Durrah	Abigail	Hampden	ME
Dusenge	Belise	Orono	ME
Dye	Jarod	Hallowell	ME
Dyer	Blake	Sebec	ME
Dyer	Brendon	Hermon	ME
Dyer	Chloe	Chebeague Island	ME
Dyer	Hannah	Hermon	ME
Dyer	Nicole	Otis	ME

Eacrett	Allison	Lowell	MA
Earl-Johnson	Dylan	Topsham	ME
East	Alyson	Calais	ME
Eastham	Lauren	Houlton	ME
Ebihara	Tomohiro	Lexington	MA
Edgar	William	South Portland	ME
Edgerly	Briar	Madison	ME
Edmondson	Mimi	North Yarmouth	ME
Egeland	Dylan	Scarborough	ME
Elder	Hannah	Edgecomb	ME
Elkins	Abigail	Hampden	ME
Elliott	Abigail	Bangor	ME
Elliott	Samuel	Blue Hill	ME
Ellis	Micaela	Brooks	ME
Elwell	Lydia	Hartland	ME
Elz Hammond	Emma	Old Town	ME
Emerich	Rachel	Lincoln Park	NJ
Emerson	Brandon	Augusta	ME
Emery	Lauren	East Poland	ME
English	Emily	Monroe	ME
Enriquez	Gavrielle	Pittsfield	ME
Eramian	Jonathan	Boonton	NJ
Eramo	Courtney	Rowley	MA
Erickson	Jo-an	Acton	MA
Eskilson	Mitchell	Raymond	ME
Eslin	Allyson	Old Town	ME
Espling	Kelsie	New Sweden	ME
Estabrook	Megan	Lebanon	ME
Etro	Isabella	Eliot	ME
Evans	Andrea	Milford	ME
Evans	Jesse	Cross Junction	VA
Evans	Katherine	Orono	ME
Everett	Emma	Presque Isle	ME
Everett	Erika	Topsham	ME
Everett	Tyler	Waterboro	ME
Ewy	Emma	Kennebunk	ME
Eyster	William	Sangerville	ME
Falkin	Amy	Roswell	GA
Falkner	Noah	Ashland	OR
Farragher-Gemma	Laura	Millis	MA
Farrington	Cierra	West Baldwin	ME
Farrington	Shawn	Brewer	ME
Fasano	Julia	Jefferson	ME
Fasth	Gregory	Bangor	ME
Faucette	Jill	Saco	ME
Faucher	Benjamin	Berlin	NH
Faulkingham	Wade	Brewer	ME
Feero	Keegan	Old Town	ME
Fekete	Lelia	Crystal	ME
Felix	Nicole	Lynn	MA
Fellows	Mitchell	Readfield	ME
Feng	Cheng	Orono	ME
Ferguson	Grace	Gray	ME
Ferguson	Julianna	Sandwich	MA
Fernald	Caleb	Brewer	ME
Fernald	Ian	Phippsburg	ME
Ferrarese	Steven	West Caldwell	NJ

Ferraro	Jocelyn	Wilmington	MA	
Ferris	Brooke	Darien	CT	
Fielding	Cassidy	South Portland	ME	
Filiault	Michael	Kittery	ME	
Finer	Michael	Annandale	NJ	
Fischer	Matthew	Wells	ME	
Fisher	Zachary	Old Town	ME	
Fitzpatrick	Julianne	Wells	ME	
Fitzpatrick	Molly	North Yarmouth	ME	
Flanagan	Benjamin	Brunswick	ME	
Flanagan	Ryan	Farmington	ME	
Flanders	Ashley	Belfast	ME	
Flannery	Alexander	Hampden	ME	
Fletcher	Nicole	Winslow	ME	
Floreani	Mary	Wimberley	TX	
Flynn	Jillian	Caribou	ME	
Fogarty	Trevor	Dexter	ME	
Folger	Hannah	South Berwick	ME	
Fontaine	Thomas	South Berwick	ME	
Foote	Sean	Mineola	NY	
Ford	Jessica	Milford	ME	
Ford	Sarah	Londonderry	NH	
Forsyth	Felicia	Jericho	VT	
Fortin	Nicholas	Cumberland Center	ME	
Fortunato	Sophie	Wethersfield	CT	
Foss	Jacob	Livermore	ME	
Fossier	Mitchell	Alpharetta	GA	
Foster	Anna	South Portland	ME	
Foster	Devon	Philadelphia	PA	
Foster	Sarah	Skowhegan	ME	
Foster	William	Poland	ME	
Fournier	Andrew	Bangor	ME	
Fournier	Casey	South Portland	ME	
Fournier	Emma	Turner	ME	
Fournier	Nicholas	Bangor	ME	
Fox	Jacob	Enfield	NH	
Fox	Kendra	Fryeburg	ME	
Foye	Corey	Oakland	ME	
Frank	Linda	Niederstotzingen		Germany
Franklin	Amy	Bath	ME	
Fratzke	Emily	Murrieta	CA	
Frazier	Katherine	Arundel	ME	
Freedman	Jamison	Eddington	ME	
Freeman	Emma	Scarborough	ME	
Freeman	Kristen	Orono	ME	
French	Aaron	Brewer	ME	
Frost	Ethan	Bangor	ME	
Fujimagari	Mariah	Markham	ON	Canada
Fullmer	Adam	Hallowell	ME	
Furrow	Trudy	Bangor	ME	
Gaghan	Leo	Lewiston	ME	
Gagne	Cassidy	Barrington	NH	
Gagne	Chase	Orono	ME	
Gagne	Emily	Raymond	ME	
Gagne	Hailey	South Berwick	ME	
Gagner	Kayla	Gorham	ME	
Gagnon	Lilah	Auburn	ME	
Gallant	Austin	Gray	ME	

Gallant	Makenzie	Rumford	ME
Galley	Kathryn	Temple	NH
Gannon	Alison	Sandown	NH
Gannon	Bradley	Brunswick	ME
Garand	Melissa	Manchester	ME
Gardner	Christianna	Easthampton	MA
Gardner	Faith	Walpole	NH
Gardner	Hope	Walpole	NH
Gardner	Ryan	Brewer	ME
Garfield	Nicholas	Lowell	ME
Garland	Roy	Scarborough	ME
Garner	Emma	Sandown	NH
Garson	Gabrielle	Gorham	ME
Gartley	Alyssa	South China	ME
Gartley	Jared	South China	ME
Garuti	Anthony	Nashua	NH
Gates	Avery	Norway	ME
Gatti	Jonathan	Portland	ME
Gayer	Nicholas	Vassalboro	ME
Gayton	Dominic	Calais	ME
Gayton	Kayla	Sabattus	ME
Gbolahan	Olayinka	Orono	ME
Gebhart	Jacob	Cranston	RI
Geiger	Malik	Norway	ME
Gendreau	Jacob	Saint David	ME
Gentzler	Autumn	Uxbridge	MA
Georges	Marie-France	Orono	ME
Gerakaris	Axios	Caribou	ME
Gerchman	Logan	Denmark	ME
Gerow	Kennedy	Glenburn	ME
Ghikas	Olivia	North Andover	MA
Giberti	Tarren	Auburn	ME
Gifford	Miranda	Bradley	ME
Giguere	Arianna	Westbrook	ME
Gilbert	Christopher	Bernardston	MA
Gilbert	Mariah	Saco	ME
Gillette	Catherine	Brownfield	ME
Gilmore	Drew	Hampden	ME
Gilmour	Alyssa	Cato	NY
Girgis	Joshua	Madison	ME
Giroux	Brendon	Richmond	VT
Glasberg	David	North Scituate	RI
Glatter	Ella	Houlton	ME
Gleeson	Thomas	Cape Elizabeth	ME
Glidden	Abigail	Lee	ME
Glidden	Abigail	Palermo	ME
Glover	Amy	Simsbury	CT
Gluchanicz	Alice	New Harbor	ME
Gluckman	Danielle	Deerfield	IL
Glusker	Elisha	Augusta	ME
Goding	Natalie	Livermore Falls	ME
Goff	Brandon	Monmouth	ME
Goins	Faythe	Elgin	SC
Gold	Daniele	Southwick	MA
Gold	Zachary	Orono	ME
Gonyea	Keely	Hermon	ME
Gonzalez	Emma	Knoxville	TN

Goodale	Tabatha	Alfred	ME
Goodenough	Bryant	Eliot	ME
Goodine	Devanne	Warwick	RI
Goodwin	Chelsie	Alfred	ME
Goplerud	Elise	Lowell	MA
Gordon	Jannelle	Lawrence	MA
Gorney	Emily	Sanbornville	NH
Gottlieb	Kathryn	Boothbay	ME
Gottwalt	Catherine	Mound	MN
Goulette	Nathanael	Turner	ME
Goulette	Spencer	York	ME
Goulette	Zachary	Turner	ME
Goupille	Kyle	Presque Isle	ME
Grace	Elizabeth	Northeast Harbor	ME
Grady	Tara	Exeter	NH
Graebert	Colin	Stockton Springs	ME
Graham	Rachel	Walpole	MA
Gramour	Dakota	Houlton	ME
Gramse	Matthew	Falmouth	ME
Gramse	Michael	Falmouth	ME
Grandchamp	Olivia	Veazie	ME
Granger	Mackenzie	Manchester	CT
Granquist	Sojourn	West Farmington	ME
Grant	Allison	Berwick	ME
Grant	Loren	Lisbon Falls	ME
Grass	Meagan	Orrington	ME
Graunke	Jeffrey	South Berwick	ME
Graves	Merrisa	Warwick	RI
Graveson	Jeffrey	Uxbridge	MA
Gray	Adam	Northeast Harbor	ME
Gray	Chloe	Windham	ME
Gray	Kayla	Verona Island	ME
Greaney	Emily	Mercer	ME
Greco	Callie	Greene	ME
Greco	Clifford	Greene	ME
Green	Adam	Bangor	ME
Green	Ashley	Bangor	ME
Green	Kendra	Bangor	ME
Green	Mckenzie	Augusta	ME
Greenawalt	Kayla	Orono	ME
Greene	Heather	Shelburne Falls	MA
Greenlaw	Drew	Eastport	ME
Greenwood	Ben	Livermore	ME
Grenier	Jared	Albion	ME
Grennon	Christopher	Cape Elizabeth	ME
Grey	Audrey	Cape Elizabeth	ME
Grey	Lauren	Cape Elizabeth	ME
Griffin	Paul	Hodgdon	ME
Grignon	Rachel	Orono	ME
Grindle	Joel	Brunswick	ME
Grindle	Kaylee	Bucksport	ME
Grissinger	Alexa	Elkins Park	PA
Groening	Patrick	Belfast	ME
Grondin	Sarah	Falmouth	ME
Gross	Aubrie	Mapleton	ME
Gross	Jacob	Scarborough	ME
Guarnieri	Lucia	Belgrade	ME
Guerrero	Julia	Peabody	MA

Guider	Justin	Wilmington	DE
Guimond	Dominic	Portland	ME
Guly	Margaret	Veazie	ME
Gutkes	Jake	Toms River	NJ
Guy	Whitney	Orono	ME
Haas	Derek	Old Town	ME
Haberstick	Julia	Old Town	ME
Hadley	Justin	Madison	ME
Hafford	Benjamin	Dedham	ME
Hafner	Justin	Queensbury	NY
Hagaman	Mykayla	Pickerington	OH
Haggerty	Olivia	East Sandwich	MA
Haines	Savannah	Westport	MA
Hale	Michelle	Naples	ME
Hale	Zachary	Fairfield	ME
Hall	Ronald	Cushing	ME
Hallowell	Angela	Presque Isle	ME
Halter	Stephen	Portland	ME
Hamalainen	Natalie	Camden	ME
Hamblet	Trevor	Fairfield	ME
Hamel	Emily	Auburn	ME
Hamilton	Ian	Swampscott	MA
Hamilton	Mary	Old Town	ME
Hamm	Jill	Bangor	ME
Hammond	Brooke	Frankfort	ME
Hammond	Sarah	Auburn	ME
Hanafin	Thomas	Burlington	MA
Hannan	Alicia	Buxton	ME
Hannigan	James	Portland	ME
Hanscom	Dylan	Dexter	ME
Hanscom	Thomas	Orrington	ME
Hanson	Kaitlyn	Warren	ME
Hanson	Marissa	Berlin	NH
Hanson	Thomas	Brunswick	ME
Harding	Marcus	Wells	ME
Harding	Margaret	Ellsworth	ME
Hardy	Jessie	Bangor	ME
Hargreaves	Abigayle	Concord	CA
Harling	Mitchell	Durham	NH
Harmon	Caleb	Millinocket	ME
Harmon	Natalie	Fayette	ME
Harmon	Rachel	Hodgdon	ME
Harnden	Alexandra	Strong	ME
Haroldsen	Kaleigh	Kennebunk	ME
Harrington	Raegan	Hermon	ME
Harris	Carli	Shrewsbury	MA
Harrison	Leah	Freeport	ME
Hartford	Alexander	Jay	ME
Hartill	Elise	Orono	ME
Hartt	Dale	Veazie	ME
Hartwell	Abigail	Billerica	MA
Harvey	Rachel	Southington	CT
Haskell	Dylan	West Gardiner	ME
Hasson	Patricia	Vassalboro	ME
Hatch	Denae	Campton	NH
Hatch	Peter	Acton	MA
Hatfield	MacKenzie	Danville	NH

Hathaway	Carter	Orono	ME	
Hathaway	Ian	Harpswell	ME	
Hatt	Rebecca	Lincoln	ME	
Haughton	Austin	Kingston	MA	
Haverly-Johndro	Brody	Newport	ME	
Havey	Heather	Franklin	ME	
Haviland	Zachary	Waterbury	VT	
Hawk	Alton	South China	ME	
Hawkins	Todd	Augusta	ME	
Hayes	Emily	New Hyde Park	NY	
Hayes	Jami	Berwick	ME	
Hayes	Jordan	Berwick	ME	
Haynes	Jackson	South Portland	ME	
Haynes	Juliana	Rockport	ME	
Hayward	Kaitlyn	South China	ME	
Hayward	Molly	Scarborough	ME	
Heard	Daniel	Albion	ME	
Heath	Emmitt	Belgrade	ME	
Heath	Josie	Augusta	ME	
Hebert	Benjamin	South Berwick	ME	
Hebert	Lauren	Jay	ME	
Hegarty	David	Limington	ME	
Hench	Jessica	Freeport	ME	
Henderson	Jeremiah	Bangor	ME	
Heptig	Augustus	Wells	ME	
Herasme	Orlensy	Worcester	MA	
Herman	Cassidy	Ottawa	ON	Canada
Hernandez Pepe	Isabel	Rome		Italy
Herrschaft	Gene	Portland	ME	
Hershon	Isaac	Marlborough	MA	
Hersom	David	Turner	ME	
Herzig	John	Windham	ME	
Hess	Katie	Danville	PA	
Hess	Stephen	Waldo	ME	
Heuschkel	James	New Hartford	CT	
Hewins	Kia	South Portland	ME	
Heyden	Deborah	Carmel	ME	
Hibbs	Ryan	Millinocket	ME	
Hicks	Tyler	Gray	ME	
Hidu	Julia	Hampden	ME	
Higley	Samantha	Rumford	ME	
Hill	Ethan	Old Town	ME	
Hill	Gwendelyn	Saco	ME	
Hillis	Cole	Brunswick	ME	
Hindle	Emily	Orono	ME	
Hindley	Zachery	Freeport	ME	
Hines	Emma	Portland	ME	
Hinkley	Kylie	Jonesport	ME	
Hintz	Mara	Durham	CT	
Hoak	Sarah	Dexter	ME	
Hobbs	Rachel	Presque Isle	ME	
Hodgkins	Anna	Hallowell	ME	
Hofacker	John	South Berwick	ME	
Hofacker	Nicole	Greene	ME	
Hoffman	Colleen	Jim Thorpe	PA	
Hogan	Sarah	Falmouth	ME	
Holbrook	Sarah	Fort Fairfield	ME	
Holland	Elijah	Skowhegan	ME	

Hollen	H	Buxton	ME	
Hollstein	Jeffrey	Pembroke	MA	
Holmes	Jacklyn	Hiram	ME	
Holste	Scott	Milo	ME	
Holz	Jessica	Oakland	ME	
Hooke	Hannah	Bangor	ME	
Hooke	Steven	Bangor	ME	
Hooper	Megan	Mercer	ME	
Horne	Joshua	Jay	ME	
Horowitz	Christopher	Cheshire	CT	
Horrigan	Shae	Sanford	ME	
Horton	Haley	Eliot	ME	
Houdlette	Taylor	Dresden	ME	
Houp	Ashley	Saco	ME	
Houp	Lindsay	Brewer	ME	
Houp	Megan	Hampden	ME	
Houston	Emma	Kingfield	ME	
Houston	Kelsey	Bucksport	ME	
Howard	Cassandra	Searsmont	ME	
Howard	Tyler	Bath	ME	
Howatt	Ethan	Farmington	ME	
Howe	Abigail	Southwick	MA	
Howe	David	Stow	MA	
Howe-Poteet	Dimitrje	Glenburn	ME	
Howes	Lanie	Athens	ME	
Howes	Megan	Hermon	ME	
Howlett	Brandon	Orono	ME	
Howson	Maria	Hampden	ME	
Hoyle	Audrey	Alfred	ME	
Hoyle	Faith	Alfred	ME	
Hubbard	Kennedy	Orono	ME	
Hubbard	Lauren	Augusta	ME	
Huff	James	Sullivan	ME	
Huffor	Cheyenne	Orono	ME	
Hulme	Shalimar	Tewksbury	MA	
Hummel	Victoria	Niederoesterreich		Austria
Humphrey	Helen	Pownal	ME	
Hunt	Kimberly	Corea	ME	
Hunter	Haley	Caribou	ME	
Hunter	Michael	Caribou	ME	
Huntley	Emma	Machiasport	ME	
Hupper	Afton	Orono	ME	
Hurley	Breana	Chester	NH	
Hurley	Danica	Richmond	ME	
Hurley	Patrick	Medford	NJ	
Hussey	Karah	Hudson	ME	
Husson	Ashlee	Bangor	ME	
Hutchins	Andrew	Alna	ME	
Hutchinson	Emma	Topsham	ME	
Hydrisko	Robert	Orono	ME	
Iannazzi	Angelina	Bangor	ME	
Idelkope	David	Chesterfield	NH	
Illingworth	Emily	Orono	ME	
Inglis	Nicole	Medfield	MA	
Ingraham	Sarah	Hermon	ME	
Inman	Samuel	Round Pond	ME	
Innes	Alexis	Biddeford	ME	

Ip	Brandon	Pembroke	MA	
Ireland	Alexandra	Hampden	ME	
Irvine	Abigail	Seal Cove	ME	
Irvine	Clara	Farmingdale	ME	
Iselborn	Lucy	Scarborough	ME	
Jack	Simaiya	Taunton	MA	
Jackson	Kayla	Baring Plantation	ME	
Jackson	Madalyn	Hermon	ME	
Jackson	Marcilla	Old Town	ME	
Jackson	Stephen	Orono	ME	
Jackson	Teaka	Manchester	ME	
Jacques	Jessica	North Reading	MA	
Jacques	Miranda	Milford	NH	
Jakins	Jordin	Newport	ME	
Jakubow	Nicole	New York	NY	
Jammeh	Amanda	Brewer	ME	
Jandreau	Emma	Caribou	ME	
Jarry-Bolduc	Gabriel	Saint Jerome	QC	Canada
Jasenski	Jessica	Tolland	CT	
Jeffrey	Benjamin	Orrington	ME	
Jenkins	Samuel	Old Orchard Beach	ME	
Jennings	Chantal	Brookline	NH	
Jeppson	Jamie	Durham	ME	
Jerome	Evangeline	Topsham	ME	
Jesiolowski	Jessica	Hampden	ME	
Jettinghoff	Kylie	Stockton Springs	ME	
Jewell	Andrew	Laconia	NH	
Jiang	Hubert	San Francisco	CA	
Jin	Youna	Biddeford	ME	
Johnson	Cassandra	Warren	PA	
Johnson	Cory	Camden	ME	
Johnson	Garrett	Holden	ME	
Johnson	Jacob	Athens	ME	
Johnson	Kayley	Freeport	ME	
Johnson	Michael	Old Town	ME	
Johnson	Rachel	South Thomaston	ME	
Johnson	Samantha	Randolph Center	VT	
Joliat	Melody	Holden	ME	
Jolicoeur	Marisa	Waterville	ME	
Jones	Andrew	Scarborough	ME	
Jones	Charles	Cape Elizabeth	ME	
Jones	Kayla	Wallingford	CT	
Jones	Sheraton	Anaheim	CA	
Jones	Tucker	Poland	ME	
Jordan	Anna	Ellsworth	ME	
Jordan	Jacob	Ellsworth	ME	
Jordan	Nathaniel	Scarborough	ME	
Jorge	Madalyn	Ayer	MA	
Josselyn	Courtney	Mechanicsburg	PA	
Joy	Amanda	Smithfield	ME	
Joy	Jarrod	Brewer	ME	
Judkins	Robert	Hampden	ME	
Julian	Rebecca	Old Town	ME	
Jurlina	Antonio	Old Town	ME	
Jurson	Courtney	Hodgdon	ME	
Kaiser	Rebecca	Biddeford	ME	
Kallis	Olivia	Sanford	ME	
Kalmus	Jordan	Brookfield	CT	

Kamorski	Laura	Levant	ME	
Kaplan	Ariel	South Berwick	ME	
Kaplan	Julia	Hull	MA	
Karam	Abram	Bangor	ME	
Karam	Gabriel	Bangor	ME	
Karam	Rachel	Bangor	ME	
Karas	Hanna	Hope	ME	
Karim	Mohamad	Orono	ME	
Karno	Rachel	Farmington	ME	
Karr	Ashley	South Berwick	ME	
Karris	Alexander	Hampden	ME	
Karunasiri	Chathu	Caribou	ME	
Karunasiri	Chaya	Caribou	ME	
Kavanah	Grace	Readfield	ME	
Kay	John	Hingham	MA	
Kay	Matthew	Skowhegan	ME	
Kayser	Ashley	Kennebunk	ME	
Kealey	Sean	Newburyport	MA	
Keefe	Cameron	Gray	ME	
Keefner	Nicole	Great Barrington	MA	
Keeley	Margaret	Kents Hill	ME	
Kehoe	Kelsey	Wilder	VT	
Keim	Summer	Dixfield	ME	
Kelava	Anita	Zagreb		Croatia
Keller	Frank	Scarborough	ME	
Kelly	David	Bucksport	ME	
Kenney	Tyler	Bangor	ME	
Kent	Maiti	Scarborough	ME	
Kerrigan	Shannon	Litchfield	NH	
Kershner	Noah	Newport	ME	
Kerwin	Jillian	Peabody	MA	
Kiah	Robert	Holden	ME	
Kieffer	Ginger	Caribou	ME	
Kiidli	Taniel	South Portland	ME	
Kimball	Dustin	Sanford	ME	
King	Jessica	Fairfax	VT	
Kingston	Anthony	San Diego	CA	
Kirbach	Anastasia	Bangor	ME	
Kirk	Katherine	Scarborough	ME	
Kleinhouse-Goldman	Tal	Nir Moshe		Israel
Kleisinger	Shayla Rose	Winnipeg	MB	Canada
Klose	Rachael	Bethlehem	PA	
Knight	Christian	Biddeford	ME	
Knight	Dustin	Berwick	ME	
Knight	Rachel	Dixfield	ME	
Knous	Bailey	Franklin	MA	
Knowlton	Benjamin	Searsport	ME	
Kobrock	Emily	Gardiner	ME	
Koenigsberg	Ava	Portland	ME	
Kohart	Robert	Southampton	PA	
Kohtala	Hope	Mechanic Falls	ME	
Koizar	Sigrid	Vienna		Austria
Koller	Angus	Monmouth	ME	
Kopp	Anna	West Roxbury	MA	
Kotkowski	Priscilla	Hope Valley	RI	
Kotosky	Thomas	Westborough	MA	
Koutroubas	Marena	Hampton	NH	

Kovalik	Nicholas	Stratford	CT	
Koza	Dylan	Raymond	ME	
Kramer	Ira	Veazie	ME	
Krasnow	Samantha	Islesford	ME	
Krause	Thomas	Fort Fairfield	ME	
Kreider	Connor	Palmyra	ME	
Kress	Aaron	Liberty	ME	
Krevans	Aaron	Bar Harbor	ME	
Krichels	Stephen Thomas	Surry	ME	
Kriebisch	Annalena	Hennef		Germany
Krug	Michael	Calais	ME	
Kucera	Brittany	Toronto	ON	Canada
Kucia	Samuel	Farmington	CT	
Kuhlka	Birgit	Northfield	MA	
Kuhn	Michaela	Holtsville	NY	
Kulickowski	Kyle	Orono	ME	
Kulinski	Anna	Monmouth	ME	
Kurmin	Andrew	Marshfield	MA	
Kuun	Sierra	Kennebunkport	ME	
Kuusela	Branden	Gorham	ME	
L'Heureux	Allison	Springvale	ME	
Labbe	Desiree	North Waterboro	ME	
Labonte	Dyandrea	Lewiston	ME	
Labun	Elizabeth	Hampden	ME	
Lacadie	Tyler	Old Town	ME	
LaChance	Alexis	Vassalboro	ME	
LaClaire	Hannah	Turner	ME	
Lacouture	Rose	York	ME	
Ladd	Cory	Millinocket	ME	
Ladd	Hannah	Somerville	ME	
Ladner	Justin	West Gardiner	ME	
Lafevers	Orie	Hampden	ME	
Lagerstrom	Lindsey	Presque Isle	ME	
Laggis	Alexandra	Fairfield	VT	
LaGross	Nicholas	Palmyra	ME	
LaGross	Ryan	Palmyra	ME	
Lajoie	Conner	Portland	ME	
LaJoie	Nicholas	Van Buren	ME	
Lamb	Jada	Poland	ME	
Lambert	Jacqueline	Presque Isle	ME	
Lambert	Parker	Presque Isle	ME	
Lambrecht	Mark	Kittery Point	ME	
Lamore	Amy	Monmouth	ME	
Lamoureux	Justin	York	ME	
Lamoureux	Briana	Kittery	ME	
Lamphear	Westley	Inlet	NY	
Lamson	Andrew	Westbrook	ME	
Lancaster	Joseph	Scarborough	ME	
Landry	Anna	Windham	ME	
Landry	Samuel	Yarmouth	ME	
Landry	Seneca	Kennebunk	ME	
Landry	Taylor	Auburn	ME	
Lang	Jordan	Litchfield	NH	
Lang	Tyler	Manchester	ME	
Langlais	Priscilla	Cranston	RI	
Laperle	John	Berlin	VT	
Lapham	Katrina	Belfast	ME	

Laplante	Erica	Scarborough	ME
Laplante	Tyler	Dedham	ME
LaPointe	Evan	Minot	ME
Lappin	Olivia	Scarborough	ME
Larence	Ciara	Northbridge	MA
Larochelle	Katherine	Brewer	ME
LaRose	Stefan	Cape Elizabeth	ME
Larsen	John	Oxford	ME
Lau	Jordan	Auburn	ME
Laverdiere	Amanda	Orono	ME
Laverriere	Sarah	Biddeford	ME
Lavoie	Matthew	Amesbury	MA
Lavoie	Vanessa	Van Buren	ME
Lavway	Ryan	Mapleton	ME
Lawrence	Rochelle	Hampden	ME
Leach	Madison	Easton	ME
Leach	Maren	Hermon	ME
Leasure	Bristyn	Scarborough	ME
Leavitt	Evan	Eliot	ME
Leavitt	Patrick	Windham	ME
Leber	Lauren	North Berwick	ME
Leblanc	Brandon	Mapleton	ME
LeBlond	Paige	Lewiston	ME
LeClair	Allison	Winslow	ME
Leclair	Joseph	Fairfield	ME
Lee	Andrew	East Waterboro	ME
Lee	Jennifer	Framingham	MA
LeFave	Sarah	Rindge	NH
Lefebvre	Edward	Freeport	ME
Legere	Jenna	Milford	ME
Leida	Chloe	Windham	ME
Leland	Kayla	Steep Falls	ME
Lelio	Danielle	Lee	NH
Leman	Ava	South Berwick	ME
Lemay	Cory	Sanford	ME
Lemin	Elizabeth	Bangor	ME
Lenentine	Taylor	Sidney	ME
Lenfest	Eben	Smithfield	ME
Lennon	Felicia	Brookfield	CT
Lenson	Samuel	Natick	MA
Leonard	Erika	Rocky Hill	CT
Leonard	Kaitlynn	Rutland	MA
Leonard	Patrick	Lowell	ME
Leonard	Tori	Kennebunk	ME
Leopold	Ruth	Wilton	ME
Lesko	Daniel	Farmington	ME
Letourneau	Adam	Old Town	ME
Letourneau	Kathryn	Old Town	ME
Levesque	Gavin	Caribou	ME
Lewis	Alexandra	Raymond	ME
Lewis	Emily	Liberty	ME
Lewis	Kevin	Rockland	ME
Lewis	Linda	Bangor	ME
Lewis	Megan	Bangor	ME
Li	MeiWa	Hartland	ME
Libby	Alyssa	Buxton	ME
Libby	Holly	Exeter	ME
Lieberman	Kathryn	Old Town	ME

Lichtenberg	Ian	Lincoln	ME
Light	Melissa	Malden	MA
Ligon	Stella	Hancock	ME
Lima	Kyle	Ellsworth	ME
Limewood	Alexyss	Bonaire	GA
Lindbom	Eric	York	ME
Lindsay	Alexis	Orrington	ME
Lindsay	Benjamin	Scarborough	ME
Lindsley	Spencer	Bath	ME
Linehan	Michael	Scarborough	ME
Link	Gabrielle	Bar Harbor	ME
Linkletter	Zachary	Athens	ME
Little	Ruth-Ann	Glenburn	ME
Littlefield	Briana	Freedom	ME
Littlefield	Elizabeth	North Berwick	ME
Littlefield	Monica	Bangor	ME
Livingston	Grace	Veazie	ME
Loftin	Lori	Tampa	FL
Logan	Aidan	Leominster	MA
Logan	Madeline	Buxton	ME
Lonabaugh	Kyle	Woodbury	NJ
Long	Jordyn	Limington	ME
Longfellow	Steven	Farmingdale	ME
Longley	Christopher	Sidney	ME
Longley	Devlin	South Paris	ME
Looney	Aurore	Vienna	ME
Loper	Kelton	Norway	ME
Lord	Thomas	Yarmouth	ME
Loseby	Justin	White River Junction	VT
Louder	Samuel	Ellsworth	ME
Lovejoy	Noah	Turner	ME
Lovely	Emmaline	Lebanon	ME
Lowry	Heather	Alstead	NH
Lucy	Colleen	Verona Island	ME
Luedee	Catherine	Phippsburg	ME
Lueders	Emma	Canton	ME
Luick	Shireen	New Sharon	ME
Luken	Hannah	West Gardiner	ME
Lundgren	Orion	Monroe	ME
Lunn	Nicholas	Old Town	ME
Luo	JiaJun	Bangor	ME
Lupien	Claire	Waldoboro	ME
Lupo	Holly	Orono	ME
Luther	Alanna	Skowhegan	ME
Lynch	Heidi	Veazie	ME
Lynch	Marissa	Merrimack	NH
Lynch	Morgan	Westford	MA
Lynes	Brady	Westbrook	ME
Lyons	Erin	Cape Elizabeth	ME
Lyons	Laura	Ellsworth	ME
MacAdam	Noah	Orono	ME
MacArthur	Jennifer	Waterville	ME
MacGregor	Molly	Peabody	MA
Machesney	Leala	Portland	ME
Machia	Evalyn	Brookfield	CT
Maciel	Sabrina	Gloucester	MA
MacIsaac	Megan	Milton	MA
Mackay	Finley	Carrabassett Valley	ME

MacKenzie	Caroline	Lebanon	ME	
Mackenzie	Nathan	Bowdoinham	ME	
Mackin-McLaughlin	Julia	Ambler	PA	
Macolini	Kate	Wells	ME	
Macoratti	Mycah	Sagamore	MA	
MacVane	William	Sykesville	MD	
Madden	Patrick	Washington	ME	
Madore	Kerry	Oak Island	NC	
Maffucci	Maria	Revere	MA	
Magee	Sarah	Gilmanton	NH	
Magnan	Maria	Enosburg Falls	VT	
Magnano	Salvatore	Southington	CT	
Magnuson	Lauren	South Portland	ME	
Maier	Michael	Thornton	NH	
Maines	Nicole	Portland	ME	
Majors	Jessica	Orono	ME	
Mallory	Andrew	Gales Ferry	CT	
Mallory	Kalli	Brewer	ME	
Maloy	Maggie	Biddeford	ME	
Maltby	Megan	Chatham	NJ	
Mancheva	Amanda	Sofia		Bulgaria
Manley	Hunter	Orono	ME	
Manley	Jason	Veazie	ME	
Mann	Courtney	Greenville	ME	
Manning	Bradley	Berwick	ME	
Manson	Hillary	Corinna	ME	
Mantoni	Michael	Blackstone	MA	
Manzo	Katelyn	Etna	ME	
Marchio	Jacob	Opelika	AL	
Marcotte	Jonathan	Bangor	ME	
Marean	Emily	Westbrook	ME	
Marley	Carrie	Hermon	ME	
Marlow	Jennifer	Belfast	ME	
Maroon	Cody	Winslow	ME	
Marquis	Kayla	Orono	ME	
Marro	Amanda	Grafton	MA	
Marsh	Devin	Orono	ME	
Marsh	Sarah	Cambridge	MA	
Marshall	Evan	Bangor	ME	
Marshall	Grace	New Dominion	PE	Canada
Martel	Andrew	Orono	ME	
Martel	Marissa	Westbrook	ME	
Martin	Chelsea	Poland	ME	
Martin	Elijah	Manassas	VA	
Martin	John	Plymouth	MA	
Martin	Karin	Sanford	ME	
Martin	Lauren	Bradley	ME	
Martin	Paige	Bath	ME	
Martin	Rachel	Bradley	ME	
Martin	Teiga	Bremen	ME	
Masse	Libbey	Brunswick	ME	
Masters	Molly	Orono	ME	
Mata	Rafael	York	ME	
Mathews	Jennifer	Orono	ME	
Mathieson	Heath	Liberty	ME	
Mathis	Nathan	Portland	ME	
Matson	Samantha	Needham Heights	MA	

Maxim	Kelsey	Old Town	ME
Maxwell	Harli	Lincoln	ME
Maxwell	Mallory	Lee	ME
May	Miriam	Dennis	MA
Mayberry	Mikayla	Portland	ME
Maynard	Nicholas	Orono	ME
McAvoy	Stephanie	Rochester	NY
McCabe	Max	Thetford Center	VT
McCaffery	Bailey	Washington	ME
McCarthy	Samuel	Nashua	NH
McCaslin	Matthew	Old Town	ME
McCullough	Kaitlyn	Rockland	ME
McCurdy	Annalise	Lawrence	KS
McDermott	Justin	Bucksport	ME
McDonald	Jamie	Parsonsfield	ME
McDonald	Juliana	Orrington	ME
McDonald	William	Hermon	ME
McDonough	Hunter	North Pomfret	VT
McEachern	Courtney	Medfield	MA
McEvoy	Sean	Orono	ME
McGee	Nicole	South Berwick	ME
McGill	Brendan	Stratford	CT
McGloin	John	Marshfield	MA
McGrath	Christopher	Franklin	MA
McGrath	Courtney	Fryeburg	ME
McGrath	Nicole	Orono	ME
McGraw	Morgan	Otis	ME
McGuire	Teresa	Orono	ME
McInnis	Tim	Portland	ME
McKay	Reyleigh	Scarborough	ME
McKeon	Meagan	Searsport	ME
McLaughlin	Benjamin	Manchester	ME
McLaughlin	Kalee	Old Town	ME
McLaughlin	Mark	Hampden	ME
McLean	Sasha	Chebeague Island	ME
McLellan	Connor	Freeport	ME
McLellan	Nathan	Scarborough	ME
McLeod	Kasey	Swanville	ME
McLeod	Ryann	Rutland	VT
McMahon	Katherine	Old Town	ME
McMann	Jackson	Gorham	ME
McMillan	Anna	Brunswick	ME
McMinis	Bennie	Wells	ME
McNally	Dana	Westbrook	ME
McNally	Nicole	Kittery	ME
McNally II	Jeffrey	Gorham	ME
McPhail	Quinn	Windham	ME
McWilliam	Madison	Webster	MA
McWilliams	Emma	Old Town	ME
Meagher	Caitlyn	Dayville	CT
Medeiros	Edward	Rehoboth	MA
Meidahl	Taylor	Clinton	ME
Melanson	Matthew	Lewiston	ME
Melmed	Garvey	Old Town	ME
Meltzer	Benjamin	West Bridgewater	MA
Melvin	Shania	Waldoboro	ME
Mendonca	Allison	Saint Albans	ME
Menter	Alexander	Berwick	ME

Merchant	Erin	Windham	ME	
Merchant	Keith	Peabody	MA	
Merchant	Taylor	Franklin	ME	
Merrifield	Hilary	West Rockport	ME	
Merrill	Stephen	Manchester	NH	
Merrow	Kevan	South Portland	ME	
Meserve	Kayla	Jay	ME	
Messina	Nicholas	Derry	NH	
Meuse	Zachary	Atkinson	NH	
Michaud	Holland	Auburn	ME	
Michaud	Kristopher	Caribou	ME	
Michaud	Matthew	Greenwood	ME	
Michaud	Sawyer	Belgrade	ME	
Michaud	Trevor	New Gloucester	ME	
Michel	Adam	Arundel	ME	
Mickelinc	Charlotte	Marshfield	ME	
Mickiewicz	Jackman	South Portland	ME	
Mickles	John	Orono	ME	
Mihaiu	Matthew	Westborough	MA	
Mildrum	Hannah	Falmouth	ME	
Mildrum	Samuel	Falmouth	ME	
Miles	Daniel	Acton	ME	
Miller	Cassandra	Pittsfield	ME	
Miller	Cole	Hiram	ME	
Miller	Forrest	Holden	ME	
Miller	Katherine	Rockwood	ME	
Miller	Michelle	Bangor	ME	
Millette	Jason	Dexter	ME	
Mills	Matthew	Wiscasset	ME	
Milner	Carrie	Belfast	ME	
Mininni	Anna	Biddeford	ME	
Minor	Joshua	Westbrook	ME	
Mircheski	Bojan	Prilep		Republic of Macedonia
Mitchell	Emily	East Baldwin	ME	
Mitchell	Jacob	Georgetown	MA	
Mitchell	Sarah	Camden	ME	
Mitchell	Shawn	Minot	ME	
Mitman	Ivy	Strong	ME	
Moineau	Ashley	Oxford	MA	
Molt	Logan	Damariscotta	ME	
Monahan	Katarina	Eddington	ME	
Mondor	Amber	Biddeford	ME	
Monteyro	Braden	Pittsfield	ME	
Moody	Abigail	Houlton	ME	
Moon	Kelsey	Simsbury	CT	
Moon	Molly	Bar Harbor	ME	
Mooney	Alexandria	Millinocket	ME	
Mooney	Emily	Portland	ME	
Moore	Bailey	Lamoine	ME	
Moore	Madeleine	Orono	ME	
Moore	Michayla	North Attleboro	MA	
Moore	Nathan	Patten	ME	
Moran	Andrew	Randolph	ME	
Moran	Brittney	Verona Island	ME	
Moran	Haleigh	Sidney	ME	
Moran	Lindsey	Orono	ME	
Morefield	Robert	Penobscot	ME	

Morey	Megan	Chichester	NH
Morgan	Abigail	Bowdoin	ME
Morgan	Cara	Exeter	ME
Morgan	Hannah	Gardiner	ME
Morgan	Rebecca	Gray	ME
Moriarty	Kaitlyn	Old Town	ME
Morin	Blaine	Sanford	ME
Morin	Chad	Turner	ME
Morin	Mikayla	South Paris	ME
Morin	Trevor	Scarborough	ME
Morneault	Garry	Orono	ME
Morneault	Madison	Winslow	ME
Morris	Alexandra	East Walpole	MA
Morris	Lindsay	Fairfield	ME
Morris	Mallori	Bridgeport	CT
Morris	Matthew	Veazie	ME
Morris	Sara	Bangor	ME
Morrison	Blake	Ebeemee Township	ME
Morrisette	Peyton	Scarborough	ME
Morrow	Nathan	Califon	NJ
Morse	Samantha	Old Town	ME
Mortali	Samantha	Walpole	MA
Moschella	Marissa	Melrose	MA
Mosher	Brianna	Monmouth	ME
Mower	Kirstie	Dexter	ME
Moyer	Ryan	Freeport	ME
Muehlbauer	Keith	Apple Valley	MN
Mullen	Tara	Nottingham	NH
Mulvey	Christopher	Wappingers Falls	NY
Mundinger	Stephen	Smithtown	NY
Munroe	William	Dunstable	MA
Murdaugh	Kayla	Old Town	ME
Murdaugh	Shaina	Old Town	ME
Murphy	Christopher	Kingfield	ME
Murphy	Hannah	Trenton	ME
Murphy	Meghan	Saco	ME
Murphy	Olivia	Hudson	NH
Murray	Evan	Brunswick	ME
Murray	Lydia	Orono	ME
Murray	Michaela	Bar Harbor	ME
Murray	Sarah	Dexter	ME
Murray	Theresa	Burlington	MA
Muse	Christina	Wells	ME
Muzembe	Takunda	Scituate	MA
Myers	Evan	Salem	MA
Nadeau	Andrew	Saco	ME
Nadeau	Samantha	Orono	ME
Nadeau-Carney	Vie	Biddeford	ME
Nadjkovic	Dustin	Orono	ME
Naglestad	Beate	Son	Norway
Naisbitt	Lara	Blue Hill	ME
Naisbitt	Maya	Blue Hill	ME
Nardello	Marisa	Wolfeboro	NH
Nash	William	Falmouth	ME
Nason	Benjamin	Biddeford	ME
Nason	Erin	Ellsworth	ME
Nazar	Eleanor	Readfield	ME
Neal	Jacob	Aurora	ME

Nelson	Chase	Skowhegan	ME	
Nelson	Cooper	Dover Foxcroft	ME	
Nelson	Janelle	Millinocket	ME	
Netherton	Haley	Fishers	IN	
Neumann	Carson	Biddeford	ME	
Neville	Suzanne	Orono	ME	
Newberry	Jackson	Cumberland Foreside	ME	
Newcomb	David	Eatontown	NJ	
Newton	Douglas	Marshfield	MA	
Nguyen	Duc	Ho Chi Minh City		Vietnam
Nguyen	Han	Old Town	ME	
Nichols	Jenna	Sanford	ME	
Nicholson	Shannon	Cape Elizabeth	ME	
Nickerson	Gabrielle	Holden	ME	
Nickerson	Hannah	Holden	ME	
Nickerson	Shelby	Milford	ME	
Nicolo	Laura	Lebanon	ME	
Niehoff	Erin	Blue Hill	ME	
Nielsen	Jason	Windham	ME	
Nightingale	Lauren	Bangor	ME	
Nikachin	Igor	Redlands	CA	
Nile	Kilee	Solon	ME	
Nitchman	Bryce	Scarborough	ME	
Noble	Charlee	Norway	ME	
Noble	Sarah	Kittery	ME	
Noble	Uriah	Sanford	ME	
Nolan	Andrew	New Rochelle	NY	
Nolette	Victoria	Readfield	ME	
Norcross	Kailey	Auburn	ME	
Noriega	Hannah	Old Town	ME	
Norman	Justin	Sanford	ME	
Norris	Braydon	Holden	ME	
Nosel	Elise	Gouldsboro	ME	
Novak	Abigayl	Hampden	ME	
Nye	Geoffry	Manchester	NH	
Nygaard	Zane	Old Town	ME	
Nyzio	Kayla	North Scituate	RI	
O'Connor	Grayson	Yarmouth	ME	
O'Gorman	Austin	Rutland	VT	
O'Gorman	Samantha	Natick	MA	
O'Keefe	Tyler	Fryeburg	ME	
O'Malley	Sarah	Belmont	MA	
O'Neil	Nicole	South Berwick	ME	
O'Toole	Kathleen	Kennebunk	ME	
Oakes	Nichole	Frenchville	ME	
Oakley	Sarah	South Berwick	ME	
Oberink	Sarah	Yarmouth	ME	
Odiorne	Shane	Eliot	ME	
Ogden	Brittany	Newburgh	ME	
Ogden	Katrina	Attleboro	MA	
Oleksyk	Cara	Bangor	ME	
Orvik	Cody	Watertown	MA	
Osborne	Jake	Burlington	ON	Canada
Oswald	Adelle	Peru	ME	
Ouellette	Annie	Frenchville	ME	
Ouellette	Cameron	Orono	ME	
Ouellette	Emily	Fort Kent	ME	

Ouellette	Taylor	Turner	ME
Outing	Morgan	Caribou	ME
Outman	Susan	Monroe	ME
Outwater	Timothy	Millbrook	NY
Overturf	Kaj	Corinth	ME
Owen	Henry	Camden	ME
Pacifico	Lindsey	Westford	MA
Page	Cassandra	Wells	ME
Page	Emily	Limington	ME
Page	Landon	Dover Foxcroft	ME
Palangas	Sophia	Weare	NH
Pallin	Monica	Freeport	ME
Palmer	Jacqueline	Bangor	ME
Palmer	Kylie	Dixfield	ME
Palmeter	Zechariah	Orono	ME
Palomo	Cynthianna	Frederick	MD
Pappalardo	Jake	Salem	NH
Paradie	Emma	Auburn	ME
Paradis	Daniel	Sidney	ME
Paradis	Josiah	Belgrade	ME
Paradis	Kylie	Lebanon	ME
Paradise	Rigel	Kennebunk	ME
Parent	Isabel	Hamlin	ME
Paris	Jonah	Falmouth	ME
Parker	Keith	Bangor	ME
Parry	Kyle	Gales Ferry	CT
Patel	Nisha	Sanford	ME
Patnaude	Joshua	Sanford	ME
Patrick	Adam	Holden	ME
Patterson	Emanuel	New Castle	DE
Paul	Jenna	Arundel	ME
Paul	Kaitlin	Indian Island	ME
Pawlicki	Anthony	Buffalo Grove	IL
Paye	Laura	Westfield	MA
Peacock	Mackenzie	Weare	NH
Pearson	Chase	Alpharetta	GA
Pease	Zachary	York	ME
Peckenham	Sarah	Orland	ME
Pedersen	Cory	Whitefield	ME
Pedersen	Ryan	Whitefield	ME
Peerson	Cole	Amesbury	MA
Pelkey	Julia	Glenburn	ME
Pellerin	Morgan	Waterville	ME
Pelletier	Jordan	Rome	ME
Pelletier	Justin	Frenchville	ME
Pelletier	Kali	Ashland	ME
Pelletier	Michelle	Topsham	ME
Peltier	Jayson	Plymouth	MA
Pennington	Olivia	Waldoboro	ME
Pepin	Taylor	Sanford	ME
Perez	Faith	Clinton	MA
Perkins	Sarah	Merrimack	NH
Perron	Kaelina	Auburn	ME
Perry	Daniel	Keller	TX
Perry	Ember	Orrington	ME
Perry	Kathleen	Bow	NH
Perry	Kayla	Eliot	ME
Perry	Maura	Cumberland Center	ME

Perry	Nathan	Eddington	ME
Perry	Richard	Orrington	ME
Perry	Simon	Keller	TX
Perry	Tia	Rumford	ME
Peters	Hannah	Yarmouth	ME
Peterson	Anthony	Eliot	ME
Peterson	Brandon	Bowdoinham	ME
Phelps	Tucker	Rumford	ME
Philippone	Maura	Camillus	NY
Phillips	Steven	Houlton	ME
Piccininni	Stephanie	Colonia	NJ
Pickford	Lauren	Eliot	ME
Pickup-Diligenti	Athena	Orono	ME
Pierce	Ryan	Rockport	ME
Pierce	Samuel	Portland	ME
Pietri	Brooke	New Sharon	ME
Pike	Kendall	Saco	ME
Pike	Megan	Brewer	ME
Pillsbury	Riley	Cushing	ME
Pilon	Courtney	West Springfield	MA
Pinkham	Amy	Sidney	ME
Piotrowski	Elizabeth	Hamburg	NY
Piper	Kathryn	Manchester	MD
Pirruccello-McClellan	Aidan	Foster	RI
Plourde	Adya	Eliot	ME
Plourde	Kaitlin	Portland	ME
Plourde	Matthew	Gardiner	ME
Plummer	Evan	Gray	ME
Poisson	Rachel	Bangor	ME
Poissonnier	Taylor	Sidney	ME
Poland	Ashley	Boothbay	ME
Poland	Jacob	Augusta	ME
Poland	Joshua	Augusta	ME
Poli	Taylor	Waldoboro	ME
Pollard	Christine	Old Town	ME
Pollard	Jeffrey	Raymond	ME
Pomeroy	Allison	Old Town	ME
Pominova	Mariya	Bedford	MA
Pontius	Kate	Portland	ME
Portante	Ariana	Brewster	NY
Porter	Gianna	Whiting	ME
Pothier	Connor	Biddeford	ME
Poulin	Ciera	Fairfield	ME
Poulin	James	South China	ME
Poulin	Sarah	South China	ME
Pouliot	Grace	South Berwick	ME
Poussard	Cameron	Saco	ME
Powell	Richard	Bangor	ME
Pratt	Jamie	Barrington	NH
Pratt-Holt	Nathan	Farmington	ME
Preble	Rachel	Safety Harbor	FL
Prentiss	Zachary	Hollis Center	ME
Prescott	Katherine	Houlton	ME
Prest	Jacob	West Roxbury	MA
Prewitt	Connor	York	ME
Price	Karlee	Winslow	ME
Price	Timothy	Kennebunk	ME

Proctor	Elizabeth	Newbury	MA	
Proctor	James	Wilton	NH	
Proulx	Rachael	Hermon	ME	
Puckett	Justin	Chelsea	ME	
Pullano	Christopher	North Haven	CT	
Pulver	Jeffrey	Vassalboro	ME	
Punch	Tyler	Hebron	ME	
Purgiel	Andrew	South Berwick	ME	
Pusey	Colm	Kennebunk	ME	
Pushard	Benjamin	Brewer	ME	
Putnam	Cynthia	Concord	MA	
Pyke	Christopher	Sandwich	MA	
Querfurth	Katarina	Wellesley	MA	
Quinlivan	Lauren	Killarney		Ireland
Raffier	Kaitlyn	Jacksonville	FL	
Rahl	Carly	Hillsdale	NJ	
Rahman	Auyon	Dhaka		Bangladesh
Rainey	Zoe	Manchester	NH	
Ramirez	Briel	Boston	MA	
Ramsay	William	South Berwick	ME	
Ramsey	Nicholas	Wells	ME	
Rancourt	Olivia	Augusta	ME	
Rand	Colby	Orrington	ME	
Randall	Kye	Barton	VT	
Ransom	Noah	Windham	ME	
Raphael	Nicole	Boxford	MA	
Raymond	Cameron	Lewiston	ME	
Raymond	Evan	Auburn	ME	
Raymond	James	Winslow	ME	
Raymond	Kaylyn	Hermon	ME	
Raymond	Kendra	Fort Kent Mills	ME	
Re	Bridget	Pittsburgh	PA	
Reading	Liam	Bangor	ME	
Reddington	John	Milton	MA	
Reece	Christopher	Orono	ME	
Reed	Daniel	New Sharon	ME	
Reed	Joseph	Topsham	ME	
Reed-Abbott	Erin	Bangor	ME	
Reese	Helen	Bath	ME	
Reeves	Nathan	Orono	ME	
Reichel	Kristina	Hampden	ME	
Reilly	Alessandra	Merrick	NY	
Reilly	Emily	Bangor	ME	
Reinhardt	Amelia	Tenants Harbor	ME	
Reno	Emma	Brunswick	ME	
Reppond	Alexander	Saco	ME	
Rettig	Sarah	Londonderry	NH	
Rhoads-Doyle	Jamison	Holden	ME	
Rhodes	Emily	Groveland	MA	
Rhoy	Lucas	Biddeford	ME	
Rice	Lauren	Harpswell	ME	
Rice	Nathan	Hampden	ME	
Richard	Anna	Wareham	MA	
Richards	Jordan	Orono	ME	
Richards	Kirsten	Trenton	ME	
Richardson	Julia	Windham	ME	
Richmond	Paul-Jacob	Randolph	ME	
Ricker	Jessica	Garland	ME	

Ricker	Samantha	Veazie	ME	
Rideout	Angela	Newburgh	ME	
Rideout	Jack	Portland	ME	
Ridge	Leah	Gray	ME	
Ridley	Kendra	Ottawa	ON	Canada
Riemersma	Corey	Orono	ME	
Rinne	Claire	Walpole	MA	
Ritland	Anna	Dexter	ME	
Ritter	Tyler	Jay	ME	
Rivera	Kevin	Paterson	NJ	
Rivernider	Rebecca	Oxford	MA	
Roach	Alec	Danvers	MA	
Roach	Haleigh	Cumberland Center	ME	
Roach	Taylor	Cumberland Center	ME	
Robe	James	Waterville	ME	
Roberts	Alexander	Randolph	ME	
Roberts	Andrew	Randolph	ME	
Roberts	Gwyneth	Cape Elizabeth	ME	
Roberts	Marissa	Gorham	ME	
Roberts	Nicholas	Arundel	ME	
Robertson	Samantha	Pittsfield	VT	
Robichau	Benjamin	Monmouth	ME	
Robinson	Connor	Gray	ME	
Robinson	Emily	Lincoln	ME	
Robinson	Garrett	Eliot	ME	
Robinson	Haley	Hollis Center	ME	
Robinson	Kaitlyn	Frankfort	ME	
Robinson	Morganne	Palmyra	ME	
Robison	Alexander	Falmouth	ME	
Robitaille	Melanie	Jay	ME	
Rocha	Timothy	Kensington	NH	
Rocheleau	Daniel	Saint Albans	VT	
Rockwood	Nathan	Ellsworth	ME	
Roderick	Alexandra	Brunswick	ME	
Roderick	Christopher	Orono	ME	
Roderka	Meredith	Dexter	ME	
Rodionov	Alexander	Bangor	ME	
Rogers	Casey	Farmington	ME	
Rogers	Harley	Lincoln	ME	
Rogers	Olivia	Pembroke	MA	
Roldan	Fernando	Hartford	CT	
Rolfe	Taylor	Fairfield	ME	
Rollins	Logan	Pittsfield	ME	
Romano	Joseph	Swanzy	NH	
Romanoski	Reilly	Strong	ME	
Romero	Daniel	Winchendon	MA	
Romick Barrell	Joseph	Milford	CT	
Romprey	Alicyn	Saco	ME	
Rondeau	David	West Springfield	MA	
Ronzo	Ashley	Scarborough	ME	
Roscoe	Nathan	Falmouth	ME	
Rose	Helen	Farmington	CT	
Ross	Lydia-Rose	Holden	ME	
Rossignol	Parise	Van Buren	ME	
Rosso	John	Stratford	CT	
Round	Samantha	Veazie	ME	
Roy	Charles	Bangor	ME	

Roy	Jaime	Old Town	ME
Roy	Mikayla	Howland	ME
Roy	Patrick	Elkridge	MD
Roy	Taylor	Holden	ME
Roy	Victoria	Bangor	ME
Rudolph	Jena	Bangor	ME
Ruopp	Paul	Monmouth	ME
Russell	Ashley	Readfield	ME
Russell	Tristan	Presque Isle	ME
Rutter	Hayley	Hermon	ME
Ryan	Carina	Springvale	ME
Ryan	Carolyn	Melrose	MA
Ryan	Maria	Sudbury	MA
Ryan	Olivia	Portland	ME
Ryan	Timothy	Holliston	MA
Rybczyk	Jack Henry	Greenfield	MA
Ryckman	Matthew	Hampden	ME
Sabourin	Mary	Stow	MA
Sailor	Stephanie	Old Town	ME
Salame	Sameera	Marshfield	MA
Salevsky	Jaclyn	South Portland	ME
Sampson	Evan	Portland	ME
Samson	Amy	Waterville	ME
Sanborn	Madeline	North Waterboro	ME
Sanborn	Shannon	Standish	ME
Sanford	Teri	North Monmouth	ME
Santomango	Sierra	Greene	ME
Santos	Samantha	Milford	ME
Sargent	Ashlee	Holden	ME
Sargent	Jamie	Scarborough	ME
Sauer	Madison	Norwich	CT
Saulter	Kaitlin	Hermon	ME
Sauvageau	Hayden	Sterling	CT
Savage	Spencer	Caribou	ME
Saville	Eli	Bangor	ME
Schaff	Benjamin	Oakland	ME
Schanck	Andrew	Bangor	ME
Schappert	Joshua	Summerville	SC
Schluntz	Andrew	North Berwick	ME
Schmidt	Casey	Larkspur	CA
Schnee	Julia	Rome	ME
Schneider	Adeline	Bowdoinham	ME
Schneider	Lydia	Bowdoinham	ME
Schnorr	Ming Feng	Dixfield	ME
Schoff	Alli	Kittery	ME
Schrader	Derrek	Orono	ME
Schrecengost	Alyx	Hackettstown	NJ
Schultheis	Matthew	Freeport	ME
Schuman	Rebecca	Topsham	ME
Scott	Gabriella	Peru	ME
Scott	Grace	Abingdon	VA
Scott	Sidney	Hampton	NH
Scott-Mitchell	Abigail	Naples	ME
Scoville	Breanna	Fairfield	ME
Scully	Allison	Waterville	ME
Searles	Jacob	Orono	ME
Sears	Stephanie	Bristol	CT
SeeHusen	Kaitlyn	Gorham	ME

Seekins	John	Belfast	ME	
Seeley	Kassidy	Jonesboro	ME	
Segal	Jacob	Windham	ME	
Segee	Samuel	Old Town	ME	
Seguin	Caroline	Newburgh	ME	
Seile	Nicholas	Augusta	ME	
Sementelli	Anthony	Fairfield	ME	
Semosky	MaryBeth	Newtown	CT	
Seneres	Kent	Saco	ME	
Senesac	Calvert	Colchester	CT	
Senese	Donald	Mahopac	NY	
Seney	Sydney	Egg Harbor City	NJ	
Serbent	Todd	Waterville	ME	
Sereyko	Kasha	Lowell	ME	
Seuch	James	Trumbull	CT	
Severson	Kristi	Waldoboro	ME	
Sewell	Erica	Eliot	ME	
Shabana	Ahmed	Old Town	ME	
Shaheen	Baron	Harborside	ME	
Shamlian	Lilly	Stoneham	MA	
Shaugnessy	Abigale	Enfield	CT	
Shaugnessy	Brian	Colonia	NJ	
Shaw	Emily	Turner	ME	
Shea	Connor	Shrewsbury	MA	
Shea	Michael	Biddeford	ME	
Shen	Zhecheng	Orono	ME	
Shepherd	Samuel	Hallowell	ME	
Sherman	Hannah	Hodgdon	ME	
Shin	Hee Jae	Seoul		Korea, Republic of
Shipsey	Olivia	Arrowsic	ME	
Shiva	Elisabeth	Kenduskeag	ME	
Short	Freeman	Orono	ME	
Shorter	Elisabeth	Amesbury	MA	
Shortt	Terry	Bangor	ME	
Sibley	Ethan	Lincoln	ME	
Sikora	Cowan	Sandyston	NJ	
Siladi	Skye	Montville	ME	
Silke	Angela	Dixmont	ME	
Sillsby	Alexandria	Kittery Point	ME	
Silver	Maya	Bangor	ME	
Silver	Nicholas	Wade	ME	
Silverbrand	Samantha	Buzzards Bay	MA	
Silverman	Elijah	Saco	ME	
Simpson	Taylor	Bangor	ME	
Siraco	Josef	Eliot	ME	
Sirois	Emilee	Caribou	ME	
Sirois	Jonathan	Hermon	ME	
Sirois	Rachel	Winslow	ME	
Sizeler-Fletcher	Asher	Montville	ME	
Skinner	Calvin	Tewksbury	MA	
Skriletz	Jaques	Perry	ME	
Skvorak	Katherine	Windham	ME	
Sky	Lindsay	Cherry Hill	NJ	
Slade	Caroline	Watervliet	NY	
Slaven	Michael	Beverly	MA	
Smaha	Sarah	Portland	ME	
Small	Jessica	Winterport	ME	

Small	Stanley	Hampden	ME	
Small	Victoria	Gorham	ME	
Smallidge	Cooper	Blue Hill	ME	
Smestad	Anna	Corinna	ME	
Smiddy	Winston	Saco	ME	
Smith	Benjamin	Saco	ME	
Smith	Bradley	Verona	NJ	
Smith	Brendan	Manchester	NH	
Smith	Brianna	Winthrop	ME	
Smith	Bryce	West Gardiner	ME	
Smith	Gabriel	Winslow	ME	
Smith	Gabrielle	Mechanic Falls	ME	
Smith	Grace	Holden	ME	
Smith	Maria	Cherry Hill	NJ	
Smith	Marinna	Monmouth	ME	
Smith	Marissa	Farmingdale	ME	
Smith	Megan	Cumberland Foreside	ME	
Smith	Reagan	Holden	ME	
Smith	Shawn	Manchester	ME	
Smith	Torin	Dexter	ME	
Snedeker	Brianna	Richmond	ME	
So	Darro	Portland	ME	
Sojka	Savannah	Leyden	MA	
Sol	Jacob	Livermore	ME	
Sole	Laia	Igualada		Spain
Soohey	Robert	Whitefield	ME	
Soohey	Stephen	Whitefield	ME	
Sorenson	Erika	Shrewsbury	MA	
Sorrentino	Victoria	Bangor	ME	
Soucy	Allison	Van Buren	ME	
Soucy	Ashley	Dunbarton	NH	
Soule	Keenan	Hampden	ME	
Southworth	Kailey	Pawtucket	RI	
Souza Cunha	Ana Eliza	Orono	ME	
Spalla	Arielle	Yorktown	VA	
Spang	Forrest	Milford	ME	
Spangenberg	Caroline	Millis	MA	
Speed	Heather	Corinth	ME	
Spencer	David	Chevy Chase	MD	
Spencer	Madison	Hermon	ME	
Spicer	Preston	Preston	CT	
Spinale	Emily	New York	NY	
Spitzfaden	Anna	Roschbach		Germany
Sprangers	Nathan	Orono	ME	
Spurdens	Guinevere	Plattsburgh	NY	
St Denis	Michael	Orono	ME	
St Jean	Jocelyn	Stillwater	ME	
St Peter	Mitchell	Caribou	ME	
St Pierre	Aaron	Winthrop	ME	
St Pierre	Bailey	Caswell	ME	
St-Pierre	Danielle	Clifton Park	NY	
Stacey	Brooke	Kahawake	QC	Canada
Staples	Jessica	Freeport	ME	
Stark	Samuel	Falmouth	ME	
Stasiak	Lena	Milwaukee	WI	
Stasinos	Evangelos	Peabody	MA	
Steinberg	Samantha	Smithtown	NY	
Stephens	Meredith	Derwood	MD	

Stern	Caleb	Camden	ME	
Stevens	Cody	Oakland	ME	
Stevens	James	Oakland	ME	
Stevens	Jessica	Orrington	ME	
Stevens	Kayla	West Springfield	MA	
Stevenson	Jacob	Waldoboro	ME	
Stevenson	Olivia	Surry	ME	
Steward	Austin	Colebrook	NH	
Stewart	Brittany	Milford	ME	
Stewart	James	North Berwick	ME	
Stewart	Kaitlin	Louisville	OH	
Stewart	Liam	Gray	ME	
Stewart	Matthew	Hooksett	NH	
Stiles	Davina	Bucksport	ME	
Stinson	Katrina	Bangor	ME	
Stinson	McKinley	Brunswick	ME	
Stinson	Micheal	Bath	ME	
Stockford	Griffin	Bowdoinham	ME	
Stokes	Liam	Augusta	ME	
Stolo	Jacqueline	Alfred	ME	
Storgaard	Sarah	Orono	ME	
Stovall	Ryan	Glenburn	ME	
Stover	Austin	Ellsworth	ME	
Strohm	James	Scarborough	ME	
Stronach	Renee	Tewksbury	MA	
Struba	Anna	Belfast	ME	
Sturrock	Erica	Brewer	ME	
Sudbeck	Dakota	Hampden	ME	
Sullivan	Cameron	Old Town	ME	
Sullivan	John	Scarborough	ME	
Sullivan	Odis	Winn	ME	
Sulloway	Wesley	Bridgton	ME	
Sutton	Shannon	Raymond	ME	
Sweet	Julia	Orono	ME	
Swengel	Trent	Leeds	ME	
Swett	Zoe	Old Town	ME	
Swimm	Olivia	Fayette	ME	
Swoboda	Josie	Levant	ME	
Tabachnick	Elijah	Portland	ME	
Talamelli	Alyssa	West Haven	CT	
Talbot	Matthew	Phoenix	MD	
Tandy	Marisa	Brewer	ME	
Tanguay	Alexa	Brewer	ME	
Tanner	Tiffany	Brunswick	ME	
Tapley	Sierra	Bar Harbor	ME	
Taplin	Eliza	North Yarmouth	ME	
Taquet	Lubett	Windham	ME	
Tarmey	Brie	Pembroke	NH	
Taylor	Brian	Falmouth	ME	
Taylor	Lindsay	Rockport	ME	
Teed	Alexis	Boxford	MA	
Tefft	Mackenzie	Surry	ME	
Tero	Benjamin	Portland	ME	
Terren Plaza	Eduardo	Madrid		Spain
Terry	Jacob	Scarborough	ME	
Terwilliger	David	Cape Elizabeth	ME	
Thacker	Alexander	South Deerfield	MA	

Thayer	Amanda	New Gloucester	ME	
Theriault	Elizabeth	Saint David	ME	
Theriault	Heather	Rumford	ME	
Theriault	Lindsay	Minot	ME	
Theriault	Zachary	Cumberland Center	ME	
Thibault	Jaymi	Lewiston	ME	
Thibeault	Connor	Caribou	ME	
Thibodeau	Arend	Harmony	ME	
Thibodeau	Kristen	Hampden	ME	
Thibodeau	Nicholas	Old Town	ME	
Thielen	Cynthia	Surry	ME	
Thistle	Hannah	Auburn	ME	
Thoman	Todd	Spring Grove	PA	
Thomas	Hope	Orrington	ME	
Thomas	Seth	Kingfield	ME	
Thompson	Kristin	Orono	ME	
Thompson	McKenzie	Duxbury	MA	
Thorne	Haley	Steep Falls	ME	
Throckmorton- Hansford	Phoenix	Somerville	ME	
Thurlow	Wade	Howland	ME	
Tidd	Morgan	Eddington	ME	
Tierney	Kylie	Orono	ME	
Tilton-Flood	Lilla	Clinton	ME	
Tinker	Kalee	Center Harbor	NH	
Tinsman	Ashley	Cape Elizabeth	ME	
Todd	Matthew	Shrewsbury	MA	
Tolbert	Virginia	Lisbon Falls	ME	
Tooher	William	Topsham	ME	
Toothaker	Alec	Ellsworth	ME	
Topel	Avery	Windham	ME	
Torchia	Brittany	Jewett City	CT	
Torrey	Brandon	Orono	ME	
Torrey	Meredith	Old Town	ME	
Toth	Emma	Sandown	NH	
Towle	Nathan	Newcastle	ME	
Towle	Tanner	Smithfield	ME	
Towne	Julia	Kennebunk	ME	
Treadwell	Sarah	Carmel	ME	
Tremblay	Isaac	Mariaville	ME	
Tremont	Jordan	Lunenburg	MA	
Trevisani	Elizabeth	Wellesley Hills	MA	
Triandafillou	Laura	Orono	ME	
Trombley	Alyssa	Mapleton	ME	
Trueblood	Dylan	Durham	NH	
Truman	Amara	Springfield	OR	
Tucker	Desiree	Gainesville	FL	
Tufts	Catherine	Church Point	NS	Canada
Tufts	Trevor	Litchfield	ME	
Turgeon	Kasidy	Chelsea	ME	
Turner	Bailey	Windham	ME	
Turner	Benjamin	Warren	ME	
Turner	Dylan	Gorham	ME	
Turner	Emily	Charleston	ME	
Turner	Rachael	Brookline	VT	
Twist	Jill	Belgrade	ME	
Umberhind	Lauren	Richmond	ME	
Usilton	Haley	South Royalton	VT	

Uteuova	Aliya	Astana		Kazakhstan
Uwaechia	Bryan	Auburn	ME	
Vaccaro	Isaac	Kennebunk	ME	
Vaillancourt	Laura	Milford	ME	
Vaillancourt	Sarah	Milford	ME	
Valle	Kohl	Falmouth	ME	
Vallotton	Jessica	Glenboro	MB	Canada
van der Schaaf	Jane	Union	ME	
Van Goffrier	Graham	Norwell	MA	
Van Gorden	Rachel	Stillwater	NJ	
van Kampen	Emma	Brunswick	ME	
Van Steenberghe	Julia	Old Town	ME	
VanDerAa	Owen	Acton	MA	
Varanelli	Joseph	Riverton	CT	
Varga	Samuel	Union	ME	
Varney	Hannah	Turner	ME	
Vear	Aysha	Winslow	ME	
Venema	Taylor	Everett	WA	
Verrill	Timothy	Carmel	ME	
Vertullo	Louis	Medway	MA	
Verzoni	Anthony	Scarborough	ME	
Vibert	Olivia	Unionville	CT	
Vickers	Jonathan	South Portland	ME	
Viekman	Joshua	Dixmont	ME	
Vincent	Travis	Bowerbank	ME	
Vincze	Sarah	Vernon Rockville	CT	
Vise	Zachary	Boothbay Harbor	ME	
Viselli	Anthony	Bangor	ME	
Vo	Duy	Manchester	ME	
Wacome	Alanna	Skowhegan	ME	
Wade	Jessica	Hermon	ME	
Wadling	Fanny	Saltsjo-Boo		Sweden
Wagner	Sarah	Westbrook	ME	
Waible	Stephen	Nashua	NH	
Waite	Jasmine	Southport	ME	
Waite	Sierra	Wytopotlock	ME	
Walczak	Brenna	Orono	ME	
Walden	Judson	Old Town	ME	
Walker	Dean	Caribou	ME	
Walko	Ty	Dedham	MA	
Wallace	Hadley	Auburn	ME	
Wallace	Ivy	Lamoine	ME	
Wallace	Sophie	Auburn	ME	
Waller	Lindsay	Riverside	RI	
Walsh	Mamie	Portland	ME	
Walton	Benjamin	Ellsworth	ME	
Wan	Teng	Ningho		China
Ward	Emily	Tolland	CT	
Ward	Michelle	Biddeford	ME	
Ward	Spencer	Lewiston	ME	
Wardwell	Alyssa	Limerick	ME	
Warmuth	Gregory	Brewer	ME	
Warner	David	Carlisle	MA	
Warner	Wesley	Cape Neddick	ME	
Warren	Jesse	Buckfield	ME	
Waterman	Madison	Eliot	ME	
Waterman	Timothy	Biddeford	ME	
Waters	Hannah	Liberty	ME	

Watson	Allison	Denmark	ME
Watson	Cody	Beaver Cove	ME
Watson	Corey	Newport	ME
Watson	Jana	Corinth	ME
Watson	Julie	Mendon	MA
Watson	Laura	Presque Isle	ME
Watson	Olivia	Topsham	ME
Watson	Valerie	Randolph	MA
Watts	Emily	Rockport	ME
Waugh	Elisabeth	South Casco	ME
Webb	Jarod	Milo	ME
Webber	Anna	Bangor	ME
Webber	Matthew	Springvale	ME
Weeks	Jeffrey	Orrington	ME
Weeks	Michaela	North Yarmouth	ME
Wegner	Jay	Davidsonville	MD
Weigel	Sarah	Falmouth	ME
Weise	Grace	Green Bay	WI
Welborn	Hannah	Wiscasset	ME
Welch	Dayle	Westford	MA
Welch	Olivia	Farmingdale	ME
Welch	Sarah	Center Lovell	ME
Welcome	Phoebe	North Easton	MA
Wells	Peter	Old Town	ME
Wessel	Maggie	Brunswick	ME
West	Michael	Wayne	NJ
West	William	Milbridge	ME
Wheatley	Gema	Orono	ME
Wheeler	Makenzie	Hartland	ME
White	Clarence	Old Town	ME
White	Devin	Hollywood	MD
White	Kaitlyn	Hampden	ME
White	Keara	Waterboro	ME
Whitney	Laura	Great Pond	ME
Whitney	Thayer	Fayette	ME
Whittemore	Breanna	Raynham	MA
Whittemore	Emily	Poland	ME
Wickstrom	Kyle	Caribou	ME
Wiggins	Breanna	Brunswick	ME
Wilcox	Adam	Warren	ME
Wilder	Kevin	Derry	NH
Wilkes	Madeline	Durham	ME
Wilkins	Autumn	Sanford	ME
Wilkinson	Collin	Hingham	MA
Williams	Haley	Windham	ME
Williams	Jacob	Milford	ME
Williams	Jacob	New Sharon	ME
Williams	Jacob	Orono	ME
Williams	Taylor	Presque Isle	ME
Willingham	Aaron	Farmington	ME
Willis	Justin	Castine	ME
Willis	Katelyn	Oakfield	ME
Wilcox	Kendyl	Annapolis	MD
Wilson	Bruce	Dixmont	ME
Wilson	Genevieve	Guilford	CT
Wilson	Kelly	Westbrook	ME
Wilson	Kelsey	Peru	ME
Wilson	Sidney	North Monmouth	ME

Winslow	Caleb	East Parsonsfield	ME
Winslow	Dale	Presque Isle	ME
Winslow	James	Pittsford	VT
Witkes	Sophie	Boston	MA
Wojciak	Andrew	Merrimack	NH
Wojtkowski Barbeau	Leila	Nottingham	NH
Wone	Jamie	Pittsfield	ME
Wood	Amelia	Centerville	MA
Wood	Jessica	Hermon	ME
Wood	Jessica	Kingston	NH
Woodford	Delaney	Scarborough	ME
Woods	Amanda	Wells	ME
Woods	Stephanie	Wells	ME
Woodward	Delaney	Corea	ME
Woodward	Hannah	Santa Cruz	CA
Woodward	Samuel	South Portland	ME
Word	Leah	Monson	ME
Worgull	Maxwell	Bangor	ME
Worster	Evan	Jackman	ME
Worster	Rachel	Brownville	ME
Wright	Anna	North Berwick	ME
Wypyski	Molly	Orono	ME
Yardley	Kiana	Bangor	ME
Yerxa	Colby	Scarborough	ME
Yoder	Jordan	Milford	ME
York	Mitchell	Portland	ME
York	Wilder	Presque Isle	ME
Yost	Sierra	Windham	ME
Yost	Thilee	Damariscotta	ME
Young	Alexandra	Vinalhaven	ME
Young	Benjamin	Thomaston	ME
Young	Caryl	Cherryfield	ME
Young	Mckenzie	Bar Harbor	ME
Young	Seth	Manchester	MA
Yutuc	Nikki Caroline	Saipan	Northern Mariana Islands
Zachau	Charles	Freeport	ME
Zaher	Nicholas	Chelmsford	MA
Zakian	Maxim	Biddeford	ME
Zanghi	Jesse	Southborough	MA
Zavalza	Julia	Bucksport	ME
Zepeda	Sebastian	Dover Foxcroft	ME
Zink	Marissa	Minot	ME
Zwirner	Christian	Windham	ME
Zwirner	Colin	Windham	ME

Spring 2017 Dean's List by Maine counties

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Androscoggin County

Auburn: Linnea Barnard, Abby Bellefleur, Liam Benson, Lucas Bourget, Cole Butler, Derek Caron, Sophie Charest, Cameron Dubay, Lilah Gagnon, Tarren Giberti, Emily Hamel, Sarah Hammond, Taylor Landry, Jordan Lau, Holland Michaud, Kailey Norcross, Emma Paradie, Kaelina Perron, Evan Raymond, Hannah Thistle, Bryan Uwaechia, Hadley Wallace, Sophie Wallace **Durham:** Jamie Jeppson, Madeline Wilkes **East Poland:** Lauren Emery **Greene:** Callie Greco, Clifford Greco, Nicole Hofacker, Sierra Santomango **Leeds:** Trent Swengel **Lewiston:** Haley Bisson, Jessica Cote, Souban Doualeh, Leo Gaghan, Dyandrea Labonte, Paige LeBlond, Matthew Melanson, Cameron Raymond, Jaymi Thibault, Spencer Ward **Lisbon:** Shane Cyr **Lisbon Falls:** Samantha Bolduc, Julia Bowen, Dillon Clifford, Loren Grant, Virginia Tolbert **Livermore:** Jacob Foss, Ben Greenwood, Jacob Sol **Livermore Falls:** Natalie Goding **Mechanic Falls:** Hope Kohtala, Gabrielle Smith **Minot:** Evan LaPointe, Shawn Mitchell, Lindsay Theriault, Marissa Zink **Poland:** Erin Brewer, William Foster, Tucker Jones, Jada Lamb, Chelsea Martin, Emily Whittemore **Sabattus:** Kayla Gayton **Turner:** Anthony DeGone, Brianna DeGone, Julia Dillingham, Emma Fournier, Nathanael Goulette, Zachary Goulette, David Hersom, Hannah LaClaire, Noah Lovejoy, Chad Morin, Taylor Ouellette, Emily Shaw, Hannah Varney

Aroostook County

Ashland: Kali Pelletier **Caribou:** Molly Adams, Devin Ballard, Shyanne Barnes, Timothy Dassow, Jillian Flynn, Axios Gerakaris, Haley Hunter, Michael Hunter, Emma Jandreau, Chathu Karunasiri, Chaya Karunasiri, Ginger Kieffer, Gavin Levesque, Kristopher Michaud, Morgan Outing, Spencer Savage, Emilee Sirois, Mitchell St Peter, Connor Thibeault, Dean Walker, Kyle Wickstrom **Caswell:** Bailey St Pierre **Crystal:** Lelia Fekete **Easton:** Francesca Armstrong, Madison Leach **Fort Fairfield:** Brandon Clark, Sarah Holbrook, Thomas Krause **Fort Kent:** Emma Brickman, Eric Deschene, Lauren Doak, Emily Ouellette **Fort Kent Mills:** Kendra Raymond **Frenchville:** Nichole Oakes, Annie Ouellette, Justin Pelletier **Hamlin:** Isabel Parent **Hodgdon:** Paul Griffin, Rachel Harmon, Courtney Jurson, Hannah Sherman **Houlton:** Logan Boyd, Alejandro Casillas, Lauren Eastham, Ella Glatter, Dakota Gramour, Abigail Moody, Steven Phillips, Katherine Prescott **Madawaska:** Heather Boucher, Austin Bragdon, Alexis Cote **Mapleton:** Rachel Dow, Aubrie Gross, Ryan Lavway, Brandon Leblanc, Alyssa Trombley **New Sweden:** Kelsie Espling **Oakfield:** Katelyn Willis **Presque Isle:** Emma Everett, Kyle Goupille, Angela Hallowell, Rachel Hobbs, Lindsey Lagerstrom, Jacqueline Lambert, Parker Lambert, Tristan Russell, Laura Watson, Taylor Williams, Dale Winslow, Wilder York **Saint David:** Jacob Gendreau, Elizabeth Theriault **Stockholm:** Sarah Doak **Van Buren:** Kaleb Cormier, Nicholas LaJoie, Vanessa Lavoie, Parise Rossignol, Allison Soucy **Wade:** Nicholas Silver **Woodland:** Nicolas Beaudoin **Wytopitlock:** Sierra Waite

Cumberland County

Bridgton: Derek Douglass, Wesley Sulloway **Brunswick:** Dante Baskett, Erin Butts, Julia Casey, Joshua Clark, Shannah Duffy, Benjamin Flanagan, Bradley Gannon, Joel Grindle, Thomas Hanson, Cole Hillis, Libbey Masse, Anna McMillan, Evan Murray, Emma Reno, Alexandra Roderick, McKinley Stinson, Tiffany Tanner, Emma van Kampen, Maggie Wessel, Breanna Wiggins **Cape Elizabeth:** Sarah Bosworth, Anthony Castro, Benjamin Duddy, Thomas Gleeson, Christopher Grennon, Audrey Grey, Lauren Grey, Charles Jones, Stefan LaRose, Erin Lyons, Shannon Nicholson, Gwyneth Roberts, David Terwilliger, Ashley Tinsman **Casco:** Joshua Bussiere **Chebeague Island:** Chloe Dyer, Sasha McLean **Cumberland Center:** Oliver Adams, Coryn Armstrong, Michaela Arseneault, Matthew Blanchard, Ryan Bray, Paul Caruso, Joshua Coyle, Cassandra Demick, Nicholas Fortin, Maura Perry, Haleigh Roach, Taylor Roach, Zachary Theriault **Cumberland Foreside:** Kevin Cass, Jackson Newberry, Megan Smith **East Baldwin:** Emily Mitchell **Falmouth:** Jacob Baumann, Molly Bennett, Eric Britton, Jack Britton, Andrew Clement, Nigel Dunn, Matthew Gramse, Michael Gramse, Sarah Grondin, Sarah Hogan, Hannah Mildrum, Samuel Mildrum, William Nash, Jonah Paris, Alexander Robison, Nathan Roscoe, Samuel Stark, Brian Taylor, Kohl Valle, Sarah Weigel **Freeport:** Seth Breton, Kiley Davan, Alexis Dietrich, Leah Harrison, Jessica Hench, Zachery Hindley, Kayley Johnson, Edward Lefebvre, Connor McLellan, Ryan Moyer, Monica Pallin, Matthew Schultheis, Jessica Staples, Charles Zachau **Gorham:** Alexander Barris, Emily Berrill, Ryan Bertin, Kayla Billings, Melissa Blake, Hailey Bryant, Adam Bucknell, Megan Demers, Johna Doyle, Kayla Gagner, Gabrielle Garson, Branden Kuusela, Jackson McMann, Jeffrey McNally II, Marissa Roberts, Kaitlyn SeeHusen, Victoria Small, Dylan Turner **Gray:** Rebecca Archer, Onycha Carlson, Adam Dumas, Patrick Dumas, Grace Ferguson, Austin Gallant, Tyler Hicks, Cameron Keefe, Rebecca Morgan, Evan Plummer, Leah Ridge, Connor Robinson, Liam Stewart **Harpswell:** Grant Carrier, Ian Hathaway, Lauren Rice **Harrison:** Gunnar Docos **Naples:** Lily Charpentier, Taylor Cronin, Savannah DeVoe, Michelle Hale, Abigail Scott-Mitchell **New Gloucester:** Jaime Boulos, Haley Cadran, Trevor Michaud, Amanda Thaye **North Yarmouth:** Christopher Byron, Mimi Edmondson, Molly Fitzpatrick, Eliza Taplin, Michaela Weeks **Peaks Island:** Finn Bradenday, Hugh Carroll **Portland:** Cleo Barker, Courtney Brett, Mariza Budri, Natalia Budri, Aaron Burdeau, Kaitlyn Burton, Marcus Caliendo, Siobhan Densmore, Jonathan Gatti, Dominic Guimond, Stephen Halter, James Hannigan, Gene Herrschaft, Emma Hines, Ava Koenigsberg, Conner Lajoie, Leala Machesney, Nicole Maines, Nathan Mathis, Mikayla Mayberry, Tim McInnis, Emily Mooney, Samuel Pierce, Kaitlin Plourde, Kate Pontius, Jack Rideout, Olivia Ryan, Evan Sampson, Sarah Smaha, Darro So, Elijah Tabachnick, Benjamin Tero, Mamie Walsh, Mitchell York **Pownal:** Helen Humphrey **Raymond:** Emily Callahan, Isobel Cunningham, Mitchell Eskilson, Emily Gagne, Dylan Koza, Alexandra Lewis, Jeffrey Pollard, Shannon Sutton **Scarborough:** Madison Allie, Alec Anderson, Jacob Bloom, Erin Brady, Andrew Cashman, Courtney Daly, Isabella DiPhilippo, LaRae Discatio, Connor Doherty, Anna Driscoll, Sydney DuEst, Dylan Egeland, Emma Freeman, Roy Garland, Jacob Gross, Molly Hayward, Lucy Iselborn, Andrew Jones, Nathaniel Jordan, Frank Keller, Maiti Kent, Katherine Kirk, Joseph Lancaster, Erica Laplante, Olivia Lappin, Bristyn Leasure, Benjamin Lindsay, Michael Linehan, Reyleigh McKay, Nathan McLellan, Trevor Morin, Peyton Morrissette, Bryce Nitchman, Ashley Ronzo, Jamie Sargent, James Strohm, John Sullivan, Jacob Terry, Anthony Verzoni, Delaney Woodford, Colby Yerxa **Sebago:** Kathryn Cutting **South Casco:** Elisabeth Waugh **South Portland:** Nicholas Alvarez, Eduardo Anzures Uroza, Andrew Bradbury, Calvin Chen, Samuel Cross, William Edgar, Cassidy Fielding, Anna Foster, Casey Fournier, Jackson Haynes, Kia Hewins, Taaniel Kiidli, Lauren Magnuson, Kevan Merrow, Jackman Mickiewicz, Jaclyn Salevsky, Jonathan Vickers, Samuel Woodward **Standish:** Mitchell Burgess, Kaitlin Clark, Shannon Sanborn **Steep Falls:** Kayla Leland, Haley Thorne **West Baldwin:** Cierra Farrington **Westbrook:** Austin Blake, Kevin Bois, Bryan Crouse, Christopher Decker, Arianna Giguere, Andrew Lamson, Brady Lynes, Emily Marean, Marissa Martel, Dana McNally, Joshua Minor, Sarah Wagner, Kelly Wilson **Windham:** Matthew Aldrich, Meaghan Byrnes, Bradford Carpentier, Donald Chervenak, Ian Donnelly, Chloe Gray, John Herzig, Anna Landry, Patrick Leavitt, Chloe Leida, Quinn McPhail, Erin Merchant, Jason Nielsen, Noah Ransom, Julia Richardson, Jacob Seyal, Katherine Skvorak, Lubett Taquet, Avery Topel, Bailey Turner, Haley Williams, Sierra Yost, Christian Zwirner, Colin Zwirner **Yarmouth:** John Barbera, Abigail Belisle Haley, Christopher Bock, Olivia Conrad, Sara Costello, Samuel Landry, Thomas Lord, Grayson O'Connor, Sarah Oberink, Hannah Peters

Franklin County

Carrabassett Valley: Finley Mackay **Farmington:** Ryan Flanagan, Ethan Howatt, Rachel Karno, Daniel Lesko, Nathan Pratt-Holt, Casey Rogers, Aaron Willingham **Industry:** Sarah Dean, Hanna Deon **Jay:** Jasmine Bussiere, Alexander Hartford, Lauren Hebert, Joshua Horne, Kayla Meserve, Tyler Ritter, Melanie Robitaille **Kingfield:** Emma Houston, Christopher Murphy, Seth Thomas **New Sharon:** Shireen Luick, Brooke Pietri, Daniel Reed, Jacob Williams **Stratton:** Matthew Beauregard **Strong:** Alexandra Harnden, Ivy Mitman, Reilly Romanoski **West Farmington:** Sojourن Granquist **Wilton:** Ruth Leopold

Hancock County

Aurora: Jacob Neal **Bar Harbor:** Isabel Bohrer, Caroline Bromberg, Molly Brown, Abbie Burton, Christopher Butler, Mary Chamberlin, Jennifer Clemens, Aaron Krevans, Gabrielle Link, Molly Moon, Michaela Murray, Sierra Tapley, Mckenzie Young **Blue Hill:** Samuel Elliott, Lara Naisbitt, Maya Naisbitt, Erin Niehoff, Cooper Smallidge **Bucksport:** Meaghan Chasse, Pianpian Chen, Nathaniel Cole, Jade Darragh, Tyler DuPont, Kaylee Grindle, Kelsey Houston, David Kelly, Justin McDermott, Davina Stiles, Julia Zavalza **Castine:** Justin Willis **Corea:** Kimberly Hunt, Delaney Woodward **Dedham:** Tessa Byard, Daniel Davis, Reed Davis, Jonathan Deschaine, Benjamin Hafford, Tyler Laplante **Deer Isle:** Chelsea Brown **Ellsworth:** Samantha Boothby, Justin Brown, Mitchell Domagala, Margaret Harding, Anna Jordan, Jacob Jordan, Kyle Lima, Samuel Louder, Laura Lyons, Erin Nason, Nathan Rockwood, Austin Stover, Alec Toothaker, Benjamin Walton **Franklin:** Katelyn DeRaps, Heather Havey, Taylor Merchant **Gouldsboro:** Elise Nosel **Great Pond:** Laura Whitney **Hancock:** Stella Ligon **Harborside:** Baron Shaheen Islesford: Samantha Krasnow **Lamoine:** Bailey Moore, Ivy Wallace **Mariaville:** Isaac Tremblay **Mount Desert:** Pierce DiMauro **Northeast Harbor:** Mea Clark, Elizabeth Grace, Adam Gray **Orland:** Sarah Peckenham **Otis:** Nicole Dyer, Morgan McGraw **Penobscot:** Robert Morefield **Seal Cove:** Abigail Irvine **Sullivan:** Maria Cormier, Jennie Daley, James Huff **Surry:** Karyn Carlin, Stephen Thomas Krichels, Olivia Stevenson, Mackenzie Tefft, Cynthia Thielen **Trenton:** Hannah Murphy, Kirsten Richards **Verona Island:** Kayla Gray, Colleen Lucy, Brittney Moran

Kennebec County

Albion: Jared Grenier, Daniel Heard **Augusta:** David Audet, Arianna Castonguay, Luke Dang, Brandon Emerson, Elisha Glusker, Mckenzie Green, Todd Hawkins, Josie Heath, Lauren Hubbard, Jacob Poland, Joshua Poland, Olivia Rancourt, Nicholas Seile, Liam Stokes **Belgrade:** Lucia Guarnieri, Emmitt Heath, Sawyer Michaud, Josiah Paradis, Jill Twist **Benton:** Kacey Bickford **Chelsea:** Justin Puckett, Kasidy Turgeon **Clinton:** Aaron Brown, Taylor Meidahl, Lilla Tilton-Flood **Fairfield:** David Austin, Paige Belanger, Josie Champagne, Zachary Hale, Trevor Hamblet, Joseph Leclair, Lindsay Morris, Taylor Rolfe, Anthony Sementelli **Farmingdale:** Clara Irvine, Steven Longfellow, Marissa Smith, Olivia Welch **Fayette:** Alex Black, Natalie Harmon, Olivia Swimm, Thayer Whitney **Gardiner:** Nicole Chadwick, Brianna DeSoto, Emily Kobrock, Hannah Morgan, Matthew Plourde **Hallowell:** Jarod Dye, Adam Fullmer, Anna Hodgkins, Samuel Shepherd **Kents Hill:** Margaret Keeley **Litchfield:** Brady Andrews, Amanda Bloss, Trevor Tufts **Manchester:** Caden Brown, Melissa Garand, Teaka Jackson, Tyler Lang, Benjamin McLaughlin, Shawn Smith, Duy Vo **Monmouth:** Michelle Conner, Brandon Goff, Angus Koller, Anna Kulinski, Amy Lamore, Brianna Mosher, Benjamin Robichau, Paul Ruopp, Marinna Smith **Mount Vernon:** Lily Bragg **North Monmouth:** Teri Sanford, Sidney Wilson **Oakland:** Kaylee Bates, Dylan Burton, Corey Foye, Jessica Holz, Benjamin Schaff, Cody Stevens, James Stevens **Pittston:** Brittany Chesley **Randolph:** Andrew Moran, Paul-Jacob Richmond, Alexander Roberts, Andrew Roberts **Readfield:** Hannah Colan, Taylor Cray, Mitchell Fellows, Grace Kavanah, Eleanor Nazar, Victoria Nolette, Ashley Russell **Rome:** Jordan Pelletier, Julia Schnee **Sidney:** Kyle Bernier, Taylor Lenentine, Christopher Longley, Haleigh Moran, Daniel Paradis, Amy Pinkham, Taylor Poissonnier **South China:** Lilja Bernheim, Emily Deering, Alyssa Gartley, Jared Gartley, Alton Hawk, Kaitlyn Hayward, James Poulin, Sarah Poulin **Vassalboro:** Taylor Bailey, Brielle Balmer, Moriah Cloutier, Nicholas Gayer, Patricia Hasson, Alexis LaChance, Jeffrey Pulver **Vienna:** Aurore Looney **Waterville:** Alan Baez, Kellie Bolduc, Jennifer Christensen, Alexander Danner, Cassandra Dechaine, Marisa Jolicoeur, Jennifer MacArthur, Morgan Pellerin, James Robe, Amy Samson, Allison Scully, Todd Serbent **Wayne:** Nicole Castonguay, Rachel Castonguay **West Gardiner:** Katelyn Bilodeau, Jessica Champagne, Thomas Colfer, Kristin Cosgrove, Emalee Couture, Jacob Dodge, Dylan Haskell, Justin Ladner, Hannah Luken, Bryce Smith **Windsor:** Jordan Bowie **Winslow:** Nicole Fletcher, Allison LeClair, Cody Maroon, Madison Morneault, Karlee Price, James Raymond, Rachel Sirois, Gabriel Smith, Aysha Vear **Winthrop:** Kevin Chamberland, Brianna Smith, Aaron St Pierre

Knox County

Camden: Wyatt Berry, Natalie Hamalainen, Cory Johnson, Sarah Mitchell, Henry Owen, Caleb Stern **Cushing:** Ronald Hall, Riley Pillsbury **Hope:** Hanna Karas **Rockland:** Kevin Lewis, Kaitlyn McCullough **Rockport:** Matthew Ackley, Hannah Brownawell, Juliana Haynes, Ryan Pierce, Lindsay Taylor, Emily Watts **South Thomaston:** Maggie Drinkwater, Rachel Johnson **Tenants Harbor:** Amelia Reinhardt **Thomaston:** Benjamin Young **Union:** Jane van der Schaaf, Samuel Varga **Vinalhaven:** Alexandra Young **Warren:** Sophie Cohen, Kaitlyn Hanson, Benjamin Turner, Adam Wilcox **Washington:** Patrick Madden, Bailey McCaffery **West Rockport:** Hilary Merrifield

Lincoln County

Alna: Andrew Hutchins **Boothbay:** Kylemartin Alamo, Kathryn Gottlieb, Ashley Poland, Harbor Zachary Vise **Bremen:** Teiga Martin **Damariscotta:** Logan Molt, Thilee Yost **Dresden:** Taylor Houdlette **Edgecomb:** Hannah Elder **Jefferson:** Julia Fasano **New Harbor:** Alice Gluchanicz **Newcastle:** Alexis Bailey, Nathan Towle **Round Pond:** Samuel Inman **Somerville:** Hannah Ladd, Phoenix Throckmorton-Hansford **Southport:** Jasmine Waite **Waldoboro:** Joshua Brecker, Claire Lupien, Shania Melvin, Olivia Pennington, Taylor Poli, Kristi Severson, Jacob Stevenson **Whitefield:** Cory Pedersen, Ryan Pedersen, Robert Soohey, Stephen Soohey **Wiscasset:** Maeve Carlson, Matthew Mills, Hannah Welborn

Oxford County

Brownfield: Catherine Gillette **Buckfield:** Jesse Warren **Canton:** Emma Lueders **Center Lovell:** Sarah Welch **Denmark:** Logan Gerchman, Allison Watson **Dixfield:** Celine Bolduc, Natalie Bolduc, Isiah Brown, Larissa Bryant, Summer Keim, Rachel Knight, Kylie Palmer, Ming Feng Schnorr **Fryeburg:** Sydney Charles, Kendra Fox, Courtney McGrath, Tyler O'Keefe **Gilead:** Hunter Cline **Greenwood:** Matthew Michaud **Hebron:** Tyler Punch **Hiram:** Jacklyn Holmes, Cole Miller **Norway:** Avery Gates, Malik Geiger, Kelton Loper, Charlee Noble **Oxford:** Abigail Bennett, John Larsen **Peru:** Chad Dexter Berry, Adelle Oswald, Gabriella Scott, Kelsey Wilson **Rumford:** Sabrina Daoud, Makenzie Gallant, Samantha Higley, Tia Perry, Tucker Phelps, Heather Theriault **South Paris:** Devlin Longley, Mikayla Morin **Sumner:** Brianna Damon

Penobscot County

Argyle Township: Fara D'Angelo **Bangor:** Joseph Ahern, Joshua Andle, Sharon Audibert, Emily Baker, James Barry, Brooke Beck, Heather Benner, Colin Benson, Jenna Bishop, Samuel Bolduc, Amanda Brainerd, Evan Brewer, Alyson Briggs, Jeffrey Burke, Vincent Caccese, Kathryn Callahan, Morgan Campbell, Samuel Chase, Nicholas Chasse, Catherine Chavaree, Tawnie Corneil, David Correale, Jessica Correale, Megan Corson, Sydni Cosgrove, Justin Courtney, Meghan Cray, Tristan Degen, Jason Dignan, Cara Doiron, Susannah Drown, Katrina Duncan, Abigail Elliott, Gregory Fasth, Andrew Fournier, Nicholas Fournier, Ethan Frost, Trudy Furrow, Adam Green, Ashley Green, Kendra Green, Jill Hamm, Jessie Hardy, Jeremiah Henderson, Hannah Hooke,

Steven Hooke, Ashlee Husson, Angelina Iannazzi, Abram Karam, Gabriel Karam, Rachel Karam, Tyler Kenney, Anastasia Kirbach, Elizabeth Lemin, Linda Lewis, Megan Lewis, Monica Littlefield, JiaJun Luo, Jonathan Marcotte, Evan Marshall, Michelle Miller, Sara Morris, Lauren Nightingale, Cara Oleksyk, Jacqueline Palmer, Keith Parker, Rachel Poisson, Richard Powell, Liam Reading, Erin Reed-Abbott, Emily Reilly, Alexander Rodionov, Charles Roy, Victoria Roy, Jena Rudolph, Eli Saville, Andrew Schanck, Terry Shortt, Maya Silver, Taylor Simpson, Victoria Sorrentino, Katrina Stinson, Anthony Viselli, Anna Webber, Maxwell Worgull, Kiana Yardley **Bradley**: Emily Barnes, Miranda Gifford, Lauren Martin, Rachel Martin **Brewer**: Hanna Anderson, Camden Barry Grant, Juliana Bilodeau, Oisin Biswas, Alexander Charalambous, Jovon Craig, Andrea Cunney, Ethan Dapice, Joshua Donnelly, Candace Doughty, Shawn Farrington, Wade Faulkingham, Caleb Fernald, Aaron French, Ryan Gardner, Lindsay Houpp, Amanda Jammeh, Jarrod Joy, Katherine Larochelle, Kalli Mallory, Megan Pike, Benjamin Pushard, Erica Sturrock, Marisa Tandy, Alexa Tanguay, Gregory Warmuth **Carmel**: Abigail DeHaas, Deborah Heyden, Sarah Treadwell, Timothy Verrill **Charleston**: Angelina Buzzelli, Bethani Dickson, Emily Turner **Clifton**: Garrett Boardway, Rachel Brooks **Corinna**: Sarah Costello, Hillary Manson, Anna Smestad **Corinth**: Katrina Bradford, Kaj Overturf, Heather Speed, Jana Watson **Dexter**: Trevor Fogarty, Dylan Hanscom, Sarah Hoak, Jason Millette, Kirstie Mower, Sarah Murray, Anna Ritland, Meredith Roderka, Torin Smith **Dixmont**: Angela Silke, Joshua Viekmann, Bruce Wilson **Eddington**: Jaycob Bowker, Eliza Costigan, Loreli Crawford, Caroline Deroche, Jamison Freedman, Katarina Monahan, Nathan Perry, Morgan Tidd **Etna**: Ian Blouin, Carly Dodson, Katelyn Manzo **Exeter**: Brody Campbell, Holly Libby, Cara Morgan **Garland**: Jessica Ricker **Glenburn**: Joshua Baker, Sarah Baker, Mark Ballinas, Kayla Bousfield, Destiny Bureau, Brandon Crocker, Shaylyn Cyr, Ryan Dufour, Kennedy Gerow, Dimitrije Howe-Poteet, Ruth-Ann Little, Julia Pelkey, Ryan Stovall **Greenbush**: Brawley Benson, Mingwun Dana **Hampden**: Taylor Avery, Kyle Barry, Justin Bearce, Mikaila Bisson, Sarah Boomer, Matthew Closson, Mariah Cormier, Abigail Durrah, Abigail Elkins, Alexander Flannery, Drew Gilmore, Julia Hidu, Megan Houpp, Maria Howson, Alexandra Ireland, Jessica Jesiolowski, Robert Judkins, Alexander Karris, Elizabeth Labun, Orié Lafavers, Rochelle Lawrence, Mark McLaughlin, Abigail Novak, Kristina Reichel, Nathan Rice, Matthew Ryckman, Stanley Small, Keenan Soule, Dakota Sudbeck, Kristen Thibodeau, Kaitlyn White **Hermon**: Nishchay Arya, Evan Bowman, Emily Burns, Audrey Charette, Benjamin Chelberg, Colleen Cropley, Rylee Cushman, Brendon Dyer, Hannah Dyer, Keely Gonyea, Raegan Harrington, Megan Howes, Sarah Ingraham, Madalyn Jackson, Maren Leach, Carrie Marley, William McDonald, Rachael Proulx, Kaylin Raymond, Hayley Rutter, Kaitlin Sautler, Jonathan Sirois, Madison Spencer, Jessica Wade, Jessica Wood **Holden**: Shayne Andersen, Caroline Bush, Molly Caron, Sarah Dickens, Garrett Johnson, Melody Joliat, Robert Kiah, Forrest Miller, Gabrielle Nickerson, Hannah Nickerson, Braydon Norris, Adam Patrick, Jamison Rhoads-Doyle, Lydia-Rose Ross, Taylor Roy, Ashlee Sargent, Grace Smith, Reagan Smith **Howland**: Ryan Bergeron, Mikayla Roy, Wade Thurlow **Hudson**: Sally Clark, Karah Hussey **Indian Island**: Kaitlin Paul **Kenduskeag**: Elisabeth Shiva **Lee**: Brandon Bourgoin, Morgan Dodge, Abigail Glidden, Mallory Maxwell **Levant**: Bryan Bouchard, Laura Kamorski, Josie Swoboda **Lincoln**: Bailee Bartash, Rebecca Hatt, Ian Lichtenberg, Harli Maxwell, Emily Robinson, Harley Rogers, Ethan Sibley **Lowell**: Nicholas Garfield, Patrick Leonard, Kasha Sereyko **Medway**: Kevin Drewrey **Milford**: Maliyan Binette, Macie Blankenship, Chad Caron, Brittany Cousins, Andrea Evans, Jessica Ford, Jenna Legere, Shelby Nickerson, Samantha Santos, Forrest Spang, Brittany Stewart, Laura Vaillancourt, Sarah Vaillancourt, Jacob Williams, Jordan Yoder **Millinocket**: Caryn Boutaugh, Sophia-Caleigh Dow, Caleb Harmon, Ryan Hibbs, Cory Ladd, Alexandria Mooney, Janelle Nelson **Newburgh**: Tyler Arbo, Jonathan Clements, Brittany Ogden, Angela Rideout, Caroline Seguin **Newport**: John Butler, Brody Haverly-Johndro, Jordin Jakins, Noah Kershner, Corey Watson **Old Town**: Thoalfakar Alsaady, Meagan Areno, Eunyoung Austin, Tyler Barnes, Cordell Beaton, Jessalyn Bergeron, Emily Borger, Rachael Callaway, Calen Cartlidge, Sean Cashman, Donna Chason, Hannah Cloutier, Alexandra Cuadros, Lacey Darling, Meaghan Delcourt, Desirae DuBois, Ashley Duggan, Emily Duran-Frontera, Emma Elz Hammond, Allyson Eslin, Keegan Feero, Zachary Fisher, Derek Haas, Julia Haberstick, Mary Hamilton, Ethan Hill, Marcilla Jackson, Michael Johnson, Rebecca Julian, Antonio Jurlina, Tyler Lacadie, Adam Letourneau, Kathryn Letourneau, Kathryn Liberman, Nicholas Lunn, Kelsey Maxim, Matthew McCaslin, Kalee McLaughlin, Katherine McMahon, Emma McWilliams, Garvey Melmed, Kaitlyn Moriarty, Samantha Morse, Kayla Murdaugh, Shaina Murdaugh, Han Nguyen, Hannah Noriega, Zane Nygaard, Christine Pollard, Allison Pomeroy, Jaime Roy, Stephanie Sailor, Samuel Segee, Ahmed Shabana, Cameron Sullivan, Zoe Swett, Nicholas Thibodeau, Meredith Torrey, Julia Van Steenberghe, Judson Walden, Peter Wells, Clarence White **Orono**: Mohammed Alamer, Rachel Alexandrou, Yousuf Ali, Sarah Allisot, Sahal Alnuwairan, Emilie Andersen, Iris Batista, Vivien Beil, Aaron Bissonnette, Shelby Boggs, Cameron Bowie, Jennifer Brown, Shabrilie Brown, Matthew Bush, Lara Carney, Samuel Chamberlain, Matthew Clark, Kimberly Crowley, Sally DeForest, Chloe Douglass, Belise Dusenge, Katherine Evans, Cheng Feng, Kristen Freeman, Chase Gagne, Olayinka Gbolahan, Marie-France Georges, Zachary Gold, Kayla Greenawalt, Rachel Grignon, Whitney Guy, Elise Hartill, Carter Hathaway, Emily Hindle, Brandon Howlett, Kennedy Hubbard, Cheyenne Huffor, Afton Hupper, Robert Hydrisko, Emily Illingworth, Stephen Jackson, Mohamad Karim, Kyle Kulickowski, Amanda Laverdiere, Holly Lupo, Noah MacAdam, Jessica Majors, Hunter Manley, Kayla Marquis, Devin Marsh, Andrew Martel, Molly Masters, Jennifer Mathews, Nicholas Maynard, Sean McEvoy, Nicole McGrath, Teresa McGuire, John Mickles, Madeleine Moore, Lindsey Moran, Garry Morneault, Lydia Murray, Samantha Nadeau, Dustin Nadjkovic, Suzanne Neville, Cameron Ouellette, Zechariah Palmeter, Athena Pickup-Diligenti, Christopher Reece, Nathan Reeves, Jordan Richards, Corey Riemersma, Christopher Roderick, Derrek Schrader, Jacob Searles, Zhecheng Shen, Freeman Short, Ana Eliza Souza Cunha, Nathan Sprangers, Michael St Denis, Sarah Storgaard, Julia Sweet, Kristin Thompson, Kylie Tierney, Brandon Torrey, Laura Triandafillou, Brenna Walczak, Gema Wheatley, Jacob Williams, Molly Wypyski **Orrington**: David Bickford-Duane, Amber Burris, Jordan Charpentier, Michael Dunning, Meagan Grass, Thomas Hanscom, Benjamin Jeffrey, Alexis Lindsay, Juliana McDonald, Ember Perry, Richard Perry, Colby Rand, Jessica Stevens, Hope Thomas, Jeffrey Weeks **Patten**: Nathan Moore **Plymouth**: Mariah Carey **Stetson**: Carly Buswell **Stillwater**: Jocelyn St Jean **Veazie**: Megan Ackley, Alex Barnett, Mitchell Burgess, Taylor Chasse, Anna-Maria Dagher, Katerina Dagher, Olivia Grandchamp, Margaret Guly, Dale Hartt, Ira Kramer, Grace Livingston, Heidi Lynch, Jason Manley, Matthew Morris, Samantha Ricker, Samantha Round **Winn**: Odis Sullivan

Piscataquis County

Beaver Cove: Cody Watson **Bowerbank**: Travis Vincent **Brownville**: Andrew Crist, Mindy Downing, Rachel Worster **Dover Foxcroft**: Racquel Bozzelli, Miranda Church, Jessica Curtin, Cooper Nelson, Landon Page, Sebastian Zepeda **Ebeemee Township**: Blake Morrison **Greenville**: Courtney Mann, **Greenville Junction**: Spencer Bernier **Milo**: Scott Holste, Jarod Webb **Monson**: Leah Word **Parkman**: Rebecca Blodgett **Sangerville**: William Eyster **Sebec**: Blake Dyer

Sagadahoc County

Arrowsic: Sean Detwiler, Olivia Shipsey **Bath**: Allison Bailey, Keegan Denery, Amy Franklin, Tyler Howard, Spencer Lindsley, Paige Martin, Helen Reese, Micheal Stinson **Bowdoin**: Abigail Morgan **Bowdoinham**: Nathan Mackenzie, Brandon Peterson, Adeline Schneider, Lydia Schneider, Griffin Stockford **Phippsburg**: Lyle Douglass, Ian Fernald, Catherine Luedee **Richmond**: Danica Hurley, Brianna Snedeker, Lauren Umberhind **Topsham**: Michael Crawford, Jacob Demosthenes, Alex Denis, Dylan Earl-Johnson, Erika Everett, Emma Hutchinson, Evangeline Jerome, Michelle Pelletier, Joseph Reed, Rebecca Schuman, William Toohar, Olivia Watson **West Bath**: Casey Bennoch **Woolwich**: Kaitlyn Dube

Somerset County

Athens: Lanie Howes, Jacob Johnson, Zachary Linkletter **Detroit:** Brianna Ballard, Leah Carron **Fairfield:** Bailey Carter, Ciera Poulin, Breanna Scoville **Harmony:** Arend Thibodeau **Hartland:** Patrick Burr, Lydia Elwell, MeiWa Li, Makenzie Wheeler **Jackman:** Evan Worster **Madison:** Seth Dillon, Briar Edgerly, Joshua Girgis, Justin Hadley **Mercer:** Jaycee Cushman, Emily Greaney, Megan Hooper **Moscow:** Jordan Belanger **Palmyra:** Connor Kreider, Nicholas LaGross, Ryan LaGross, Morganne Robinson **Pittsfield:** Alexander Audet, Gavrielle Enriquez, Cassandra Miller, Braden Monteyro, Logan Rollins, Jamie Wone **Rockwood:** Katherine Miller **Saint Albans:** Everett Coulter, Allison Mendonca **Skowhegan:** Maria Beaulieu, Kirstie Belanger, Nicolette Curran, Brooke Curtis, Sarah Foster, Elijah Holland, Matthew Kay, Alanna Luther, Chase Nelson, Alanna Wacome **Smithfield:** Amanda Joy, Eben Lenfest, Tanner Towle **Solon:** Brandon Dixon, Kilee Nile

Waldo County

Belfast: Jessica Bergstrom, Lucie Bonneville, Maylinda Boynton, Madison Cummings, Ashley Flanders, Patrick Groening, Katrina Lapham, Jennifer Marlow, Carrie Milner, John Seekins, Anna Struba **Brooks:** Micaela Ellis **Burnham:** Eliana Bergdoll **Frankfort:** Brooke Hammond, Kaitlyn Robinson **Freedom:** Briana Littlefield **Knox:** Nya Chituck **Liberty:** Aaron Kress, Emily Lewis, Heath Mathieson, Hannah Waters **Lincolntonville:** Lindsey Brown, Brendan Carey **Monroe:** Emily English, Orion Lundgren, Susan Outman **Montville:** Kevin Davidson, Skye Siladi, Asher Sizeler-Fletcher **Northport,** Hannah Bailey **Palermo:** Abigail Glidden **Searsmont:** Cassandra Howard **Searsport:** Zachary Beaudry, Jacob Bucklin, Alyssa Burkard, Kirsten Caswell, Mark Dube, Benjamin Knowlton, Meagan McKeon **Stockton Springs:** Mary Barker, Jay Burkard, Colin Graebert, Kylie Jettinghoff **Swanville:** Kasey McLeod **Waldo:** Stephen Hess **Winterport:** Mark Allen, Conrad Barberi, Olivia Barberi, Nancy DesJardin, Jessica Small

Washington County

Baring Plantation: Kayla Jackson **Beals:** Stacey Beal **Calais:** Forrest Carle, Josh Carr, Alyson East, Dominic Gayton, Michael Krug **Cherryfield:** Caryl Young **Eastport:** Drew Greenlaw **Jonesboro:** Ian Anderson, Kassidy Seeley **Jonesport:** Kylie Hinkley **Machiasport:** Caitlyn Burman, Emma Huntley **Marshfield:** Charlotte Mickelinc **Milbridge:** William West **Pembroke:** Lucia Aretakis **Perry:** Samuel Altwater, Madalyn Dana, Jaques Skriletz **Weston:** Felicia Cowger **Whiting:** Dakota Cates-Wright, Gianna Porter

York County

Acton: Samuel Beaudoin, Daniel Miles **Alfred:** Andrew Bullard, Daniel Bullard, Tabatha Goodale, Chelsie Goodwin, Audrey Hoyle, Faith Hoyle, Jacqueline Stolo **Arundel:** Erin Acheson, Saffron Courtney, Katherine Dube, Katherine Frazier, Adam Michel, Jenna Paul, Nicholas Roberts **Berwick:** Jacob Bradshaw, Allison Grant, Jami Hayes, Jordan Hayes, Dustin Knight, Bradley Manning, Alexander Menter **Biddeford:** Connor Bouffard, Ashlyn Bourque, Justine Bouthot, Margaret Bushy, Spencer Desrochers, Annita Douglas, Emily Doyon, Alexis Innes, Youna Jin, Rebecca Kaiser, Christian Knight, Sarah Laverriere, Maggie Maloy, Anna Mininni, Amber Mondor, Vie Nadeau-Carney, Benjamin Nason, Carson Neumann, Connor Pothier, Lucas Rhoey, Michael Shea, Michelle Ward, Timothy Waterman, Maxim Zakian **Buxton:** Bethany Ashley, Alicia Hannan, H. Wiley Hollen, Alyssa Libby, Madeline Logan Cape **Nedick:** Wesley Warner **Dayton:** Alexander Belanger, Avery Dunn **East Parsonsfield:** Caleb Winslow **East Waterboro:** Jacob Collupy, Andrew Lee **Eliot:** Carly Amsden, Alyssa Curtis, Leah Dodier, Isabella Etro, Bryant Goodenough, Haley Horton, Evan Leavitt, Shane Odiorne, Kayla Perry, Anthony Peterson, Lauren Pickford, Adya Plourde, Garrett Robinson, Erica Sewell, Josef Siraco, Madison Waterman **Hollis Center:** Zachary Prentiss, Haley Robinson **Kennebunk:** Elizabeth Ayotte, Nicholas Barto, Joseph Beaudoin, Anthony Coppola, Emma Ewy, Kaleigh Haroldsen, Ashley Kayser, Seneca Landry, Tori Leonard, Kathleen O'Toole, Rigel Paradise, Timothy Price, Colm Pusey, Julia Towne, Isaac Vaccaro **Kennebunkport:** Willow Bates, Stewart Doe, Sierra Kuun **Kittery:** Michael Filiault, Briana Lamoureux, Nicole McNally, Sarah Noble, Alli Schoff **Kittery Point:** Mark Lambrecht, Alexandria Sillsby **Lebanon:** Megan Estabrook, Emmaline Lovely, Caroline MacKenzie, Laura Nicolo, Kylie Paradis **Limerick:** Alyssa Wardwell **Limington:** David Hegarty, Jordyn Long, Emily Page **Lyman:** Drew Brooks **North Berwick:** Jacob Burgess, Taylor Dupont, Lauren Leber, Elizabeth Littlefield, Andrew Schluntz, James Stewart, Anna Wright **North Waterboro:** Nathan Baert, Desiree Labbe, Madeline Sanborn **Ogunquit:** Olivia Arnold **Old Orchard Beach:** Hunter Boutot, Jamie Crowley, Samuel Jenkins **Parsonsfield:** Jamie McDonald **Saco:** Paul Arabatzis, Clayton Arundel, Stephanie Ayotte, Robert Begin, Joshua Boldebook, Shelby Courtois, Elizabeth Demin, Jill Faucette, Mariah Gilbert, Gwendelyn Hill, Ashley Houpp, Meghan Murphy, Andrew Nadeau, Kendall Pike, Cameron Poussard, Alexander Reppond, Alicyn Romprey, Kent Seneres, Elijah Silverman, Winston Smiddy, Benjamin Smith **Sanford:** Mathew Allen, Regan Buck, Rebecca Campbell, Vanessa Caron, Shae Horrigan, Olivia Kallis, Dustin Kimball, Cory Lemay, Karin Martin, Blaine Morin, Jenna Nichols, Uriah Noble, Justin Norman, Nisha Patel, Joshua Patnaude, Taylor Pepin, Autumn Wilkins **South Berwick:** Ian Baker, Allison Blunt, Renee Clavette, Shea Costin, Hannah Folger, Thomas Fontaine, Hailey Gagne, Jeffrey Graunke, Benjamin Hebert, John Hofacker, Ariel Kaplan, Ashley Karr, Ava Leman, Nicole McGee, Nicole O'Neil, Sarah Oakley, Grace Pouliot, Andrew Purgiel, William Ramsay **Springvale:** Allison L'Heureux, Carina Ryan, Matthew Webber **Waterboro:** Troy Cloutier, Tyler Everett, Keara White **Wells:** Michaela Albano, Dominic Barra, Gabrielle Betters, Kate Bleier, Daniel Charpentier, Anthony Crawford, Matthew Fischer, Julianne Fitzpatrick, Marcus Harding, Augustus Heptig, Kate Macolini, Bennie McMinis, Christina Muse, Cassandra Page, Nicholas Ramsey, Amanda Woods, Stephanie Woods **West Kennebunk:** William Bauld **York:** Steven Blaine, Noah Carpenter, Kelsey Cole, Spencer Goulette, Rose Lacouture, Justin Lamoureux, Eric Lindbom, Rafael Mata, Zachary Pease, Connor Prewitt [Back to full list](#)

Maine AgrAbility builds vertical garden in Unity

27 Jun 2017

A trellis-based vertical garden is now part of a display by Maine AgrAbility at the Common Ground fairgrounds to demonstrate accessible structures for gardeners with limited mobility. The vertical garden was built June 17 in a workshop presented by Maine AgrAbility during Farm and Homestead Day at MOFGA. The annual free event offers hands-on workshops focused on sustainable living skills. The vertical garden joins two raised bed gardens built by Maine AgrAbility in 2015–16 to demonstrate accessible options. In this year's Maine AgrAbility workshop, participants learned how to construct a sturdy garden trellis in three sections. They also had an opportunity to try out ergonomic gardening tools, receive handouts about services, and harvest lettuce from a raised bed. Vertical gardens are designed to provide a big yield in a small space and allow harvesting from a standing position, which is easier for people with arthritis and other physical limitations. The trellis-based vertical garden now at the fairgrounds was made with naturally rot-resistant cedar posts and cross pieces harvested in Maine, and sections of cattle panels available at farm supply stores. Materials for construction cost approximately \$150. Maine AgrAbility works with Maine farmers who struggle to continue their work due to injury, illness or disability. The USDA-funded program is a partnership between University of Maine Cooperative Extension, Alpha One, and Goodwill of Northern New England. Each partner brings its expertise and institutional insights to the challenges at the intersection of farming, health and employment. For more information, contact Maine AgrAbility at 944.1533, maine.agrability@maine.edu. More information also is [online](#).

Lancaster Farming advances produce safety training

27 Jun 2017

[Lancaster Farming](#) reported the Kennebec County Soil & Water Conservation District, in collaboration with the Maine Department of Agriculture, Conservation and Forestry; AgMatters LLC; and the University of Maine Cooperative Extension, is offering a produce safety alliance grower training July 21 in Augusta. The course is for fruit and vegetable growers and others interested in learning about produce safety, the Food Safety Modernization Act Produce Safety Rule, best agricultural practices, and co-management of natural resources and food safety, according to the article.

Media report on UMaine youth sports camps

27 Jun 2017

WABI (Channel 5) and WVII (Channel 7) reported on youth summer sports camps held at the University of Maine. During a talk with members of the high school football camp, University of Maine football head coach Joe Harasymiak shared what he hopes players of all ages can gain in the summer to be ready for the fall, WABI reported. "Once you hit the high school level, the summer is important for your development," Harasymiak said. WVII spoke with participants and coaches of the youth basketball camp. Several UMaine basketball players volunteer to help facilitate drills and serve as referees for scrimmages, WVII reported. "They probably got to where they are as a Division I basketball player at the University of Maine because somebody helped them," said Bob Walsh, UMaine basketball head coach. "So they're willing to give back a little bit and try to help young kids achieve their goals in basketball, as well." WVII also reported on a no-pads football youth camp.

Public invited to events with featured UMMA artist

28 Jun 2017

New York artist Jason Bard Yarmosky will attend two public events June 29 related to his current exhibit at the University of Maine Museum of Art in downtown Bangor. At noon, Yarmosky will give an informal talk at the museum on "Somewhere," his exhibit featuring a series of paintings, drawings and video that explore issues of aging, specifically dementia and Alzheimer's. The free talk will run roughly half an hour, followed by time for questions. From 5 to 7 p.m., the museum will hold an artist's reception for Yarmosky. More information about the reception is [online](#). "Somewhere," developed in partnership with St. Joseph Healthcare, will be on display through Sept. 2. The exhibit is the focus of a [summer series](#) of free noontime talks and workshops aimed at educating family caregivers and others in the community about age-related dementia, Alzheimer's disease and the role of art in a healing environment. All programs are free. Other educational partners include the UMaine Center on Aging, Alzheimer's Association Maine Chapter, and Dirigo Pines. More about Yarmosky's [exhibit](#) is on the UMMA website.

UMaine football players escort students to school, WABI reports

28 Jun 2017

Before school let out for the summer, [WABI](#) (Channel 5) reported members of the University of Maine football team escorted students to Vine Street School in Bangor as part of the Maine Walking School Bus Program. The program provides area schools with an alternative form of transportation and special guests to get them there, according to the report. "Being involved in the community means so much to kids like this," said UMaine defensive back Jeffrey DeVaughn. "So I'm just honored to be someone's favorite player and someone to look up to and be a perfect role model in the community." Joe Harasymiak, UMaine football head coach, said the event allows the team to realize how much young kids look up to them. "It's a great opportunity for our guys to see how much of an impact they can make in the community," Harasymiak said.

WVII covers young African leaders' six-week UMaine visit

28 Jun 2017

[WVII](#) (Channel 7) reported on the 2017 Mandela Washington Fellowship programs held at the University of Maine. For the second year, 25 young leaders from Sub-Saharan Africa are spending six weeks at UMaine's Public Management Institute to participate in academic, professional, service and recreational activities statewide. Members of the public also are invited to attend weekly cultural exchange events offered as part of the program. "It's about fostering collaboration, it's about learning best practices here in the U.S. and how to apply those to our own countries, our own organizations," said Jai Clifford-Holmes, a Mandela Washington Fellow visiting UMaine. "Some of it's about academic course work, but that's not really the focus; really, what we're here to do is meet a lot of people, to network with other organizations, and to work with one another."

Reuters quotes Brewer in report on potential state government shutdown

28 Jun 2017

Mark Brewer, a political science professor at the University of Maine, was quoted in a [Reuters](#) article about a potential state government shutdown. Gov. Paul LePage warned residents that parts of the state's government could shut down Friday if lawmakers are unable to reach an agreement on the next two-year budget, according to the article. The timing of the shutdown, before a long holiday weekend, could be particularly sensitive for a state economy that relies heavily on tourist spending, the article states. "Anything that's going to make it less likely that people are going to come in from out of state and spend dollars over the holiday weekend is going to hurt business," Brewer said. [The New York Times](#) and [U.S. News & World Report](#) carried the Reuters article.

Handley speaks with BDN about strawberry season's strong start

28 Jun 2017

David Handley, a University of Maine Cooperative Extension specialist of vegetables and small fruits, spoke with the [Bangor Daily News](#) for the article,

“Maine’s strawberry season off to strong start.” Overall, it should be a good season in Maine for strawberries, according to Handley. The cool spring weather slowed down the start of the season, he said, but it hasn’t affected the yield or the quality of the fruit. “We’re kind of unique [in the country] that our strawberry season matches so well with the start of summer and the Fourth of July holiday,” he said. “I think we’ll have a really good crop of strawberries for the Fourth of July.” When planning to pick your own berries, Handley encourages people to call ahead to the farm and find out what their hours and conditions are. “If the hot weather does come, things will ripen very quickly,” he said. “I think the next two weekends are where the peak of the crop will be.” Handley also spoke with [The Ellsworth American](#) about this year's crop.

Look, up in the sky

28 Jun 2017

A celebration of nature’s fireworks will take place a bit before the Fourth of July. Friday, June 30 is Meteor Watch Day, and night. A meteor, sometimes called a “shooting star,” is space debris from a comet or asteroid that burns when it enters the Earth’s atmosphere. https://youtu.be/unaq3B9_HzU [Read transcript](#) Shawn Laatsch, director of the Emera Astronomy Center and Jordan Planetarium, says millions of meteors — most the size of grains of sand or dust — enter the Earth’s atmosphere each day. While this totals about 100 tons of space debris, it all burns up in the atmosphere. Laatsch has been fascinated by space since his grandfather showed him the Big Dipper — the seven brightest stars of the constellation Ursa Major. And in second grade, he volunteered at a planetarium show in his hometown of Wausau, Wisconsin and got to “turn out the lights and turn on the stars.” He was hooked. Laatsch enjoyed all things space, including the 1977 movie “Star Wars” and Carl Sagan’s “Cosmos” book and PBS series. Now Laatsch, who also is president of the International Planetarium Society, is sharing more about archaeoastronomy — the role of astronomy in ancient cultures and civilizations, including to track days and plant crops. The planetarium has programs at 7 p.m. Fridays for the public to learn more about the sky. Information about summer offerings at the Emera Astronomy Center is available on the [website](#).

Transcript

Shawn Laatsch: Meteors basically are particles that fall through our atmosphere and they burn up and they look like little shooting — or falling — stars, people sometime call them. Most of them burn up in the atmosphere and never make it to the ground. And it’s estimated that there’s somewhere around 100 tons of material that fall through our atmosphere and burn up every day. In terms of trying to see meteorites, you can see one or two on any given night but they only last for an instant, so you have to be looking at the right time. However, there are better times to see them, particularly meteor showers. The Perseid meteor shower in August is one of the better showers. It peaks around the 12th of the month and you can see 50 or 60 meteors per hour during that. There’s also the Leonids in November, the Orionids in October. Basically, the Earth is passing through debris leftover by a comet, and that’s when we get the meteor showers. On occasion, objects do survive the passage and make it to the ground and those meteorites, as they’re called, once they actually land on Earth, are of interest to scientists in helping us understand our solar system. [Back to post](#)

Emma Jandreau: Expanding knowledge through new dance family

29 Jun 2017

Before Emma Jandreau of Caribou, Maine decided what she wanted to do professionally, she knew she wanted to pursue a career that would help people. That goal, along with her lifelong passion for dance, led her to the University of Maine where she is pursuing a degree in communication sciences and disorders with minors in dance and child development and family relations. “I am so happy to have found a career path that allows me the choice of working with all types of people in different settings,” says Jandreau, who adds she has begun researching ways to connect dance with her main field of study. Jandreau, who has been dancing since she was 3 years old, says she plans to continue practicing the art for the rest of her life. From seventh grade until she finished high school, Jandreau was a junior instructor at the The Maine Dance Academy in Caribou. After high school, she became a full-time instructor where she choreographs for the school, offers private lessons for students, and leads dance camps in the summer. “Since I am a dance instructor now, I wanted to expand my study of dance even further,” she says of choosing to pursue dance at UMaine’s School of Performing Arts. In her first year at UMaine, Jandreau performed in the school’s fall 2016 and spring 2017 dance showcases; shows she plans to participate in every semester until she graduates. **Why UMaine/the School of Performing Arts?** UMaine chose me. It has everything I need. I wanted to stay in Maine and this is the only college with the major and minor that I am pursuing. **Do you have a preferred style of dance?** I love every type of dance that has been thrown my way; however, I find that I can express myself the most through contemporary dance. **What difference has UMaine made in your life and in helping you reach your goals?** I have become a lot more independent in my experience at this college so far. I can’t imagine how much I will have learned by the time I graduate (in May 2019). I have made friendships that will last a lifetime, I am reaching my goals education-wise, while continuing to study dance. **Any advice for incoming college students who are considering a minor in dance?** Do it. If you want a way to be a part of a new dance family, become more knowledgeable in the field of dance, and have a studio to go to when you want a break from studying, then do it. **What are your plans for after graduation?** I will be applying to graduate school at the University of Maine in hopes of obtaining my master’s degree. Contact: Elyse Catalina, 207.581.3747

Summer hours in effect at Hudson Museum

29 Jun 2017

University of Maine Hudson Museum summer hours — from 9 a.m. to 4 p.m. Monday through Friday — are in effect through August. The museum’s Saturday hours — from 11 a.m. to 4 p.m. — will resume Sept. 9. The Hudson Museum will be closed during the Fourth of July weekend, from 4 p.m. Friday, June 30 until 9 a.m. Wednesday, July 5, and during Labor Day weekend, from 4 p.m. Friday, Sept. 1 until 9 a.m. Tuesday, Sept. 5. Visit the museum’s [website](#) for more information about its exhibits, collections and outreach.

Lincoln County News reports on DMC science illustration workshop

29 Jun 2017

[The Lincoln County News](#) published a University of Maine news release about natural science illustration workshops held at the Darling Marine Center in Walpole. For the past eight years, the center has been hosting the workshops led by David Wheeler, who taught illustration to college students in New York for over three decades before moving to Maine two years ago. Last July, he and his wife opened Habitat: Open Ocean, a museum in Harpswell that houses

scientific illustrations and artifacts from around the world. During the workshops, Wheeler brings his expertise as an illustrator and his enthusiasm for the natural world with his collection of fossils, bones, and objects found in ocean habitats. For Linda and Terry Castor of Illinois, the workshop has become an annual tradition. “The Darling Center became a special place to us,” Linda Cator said. “Here, I get to be among people who appreciate science and art as much as I do.”

HuffPost blog on aging features interview with Kaye

29 Jun 2017

A [HuffPost](#) blog titled “Age is just a number” featured an interview with Len Kaye, director of the University of Maine Center on Aging. Kaye is an expert on issues related to aging, including home health care, productive aging, rural practice, family caregiving, controversial issues in aging, and men’s aging, the article states. The author wrote she sat down with Kaye to “take a deep dive into some of the issues around protecting, supporting and empowering older Americans.” Some of the attitudes about aging are leading to neglect, exclusion, and discrimination on a societal level, the blog states. “We don’t encourage or build in opportunities for older adults to remain a part of the hustle and bustle of daily life,” Kaye said, emphasizing the need for a “productive aging perspective.” With this perspective, instead of viewing aging as a downhill decline, we would view it as a phase in life in which there’s room for growth and development and a sense of hopefulness about the future, according to the post. Under this philosophy, individuals can contribute to society at any age, and it emphasizes the “strengths, abilities and assets” of older individuals, Kaye said.

Maine Public interviews Rebar about food sovereignty bill

29 Jun 2017

John Rebar, executive director of the University of Maine Cooperative Extension, spoke with [Maine Public](#) for the report, “Fresh Maine law lets municipalities regulate local food production.” Proponents of the food sovereignty law argue that many food-borne illnesses in America are caused by factory farming and food centralization, according to Maine Public. “Years ago there was probably much more food-borne illness than there is now, because we didn’t have the regulatory and the science-based knowledge that we have now,” Rebar said. “But because food was so decentralized, the incidence of it wasn’t as widespread as it possibly could be with a large processor or producer who might produce a tainted product.” Illness tended to run its course locally, the report states, whereas today, a Listeria outbreak in California can affect the whole country. Maine’s food sovereignty law tries to address this by limiting transactions to local, face-to-face sales. Anyone wanting to ship or distribute products outside the immediate community still needs to comply with state or federal regulations, according to the report. Rebar said it’s unrealistic to think these products won’t be shared beyond the borders of the town where they were produced. And without mandatory state inspections, he said it will be down to each farmer to self-police.

Washington Post mentions Flagship Match in article on enrollment challenges

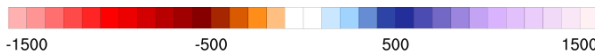
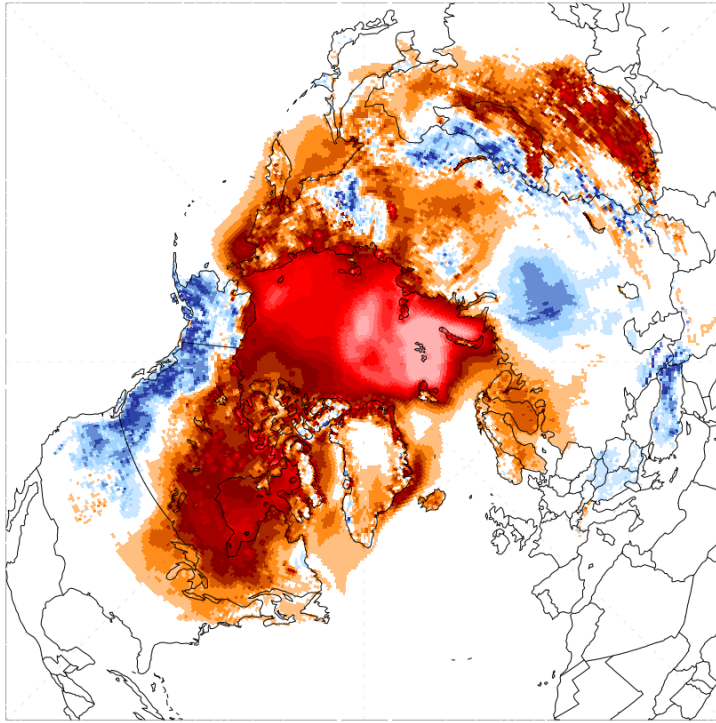
29 Jun 2017

The University of Maine was mentioned in a [Washington Post](#) article about many small colleges around the country facing enrollment drops. UMaine, in a state where the number of high school graduates has fallen 9 percent since 2011, offered admission to some out-of-state students at the same price they would have paid to attend their home flagship public universities, the article states. For the fall semester, the Flagship Match tuition scholarship program has brought in more than 1,000 new students from other New England states, as well as California, Illinois, New Jersey and Pennsylvania, The Washington Post reported.

Wet winter, spring alleviate drought conditions in state

30 Jun 2017

Maine’s wet 2017 winter and spring eased the 2016 drought conditions, says Sean Birkel, University of Maine research assistant professor and Maine State Climatologist. Winter precipitation was 2.3 inches more than normal on a statewide average, he says, totaling 11.7 inches water equivalent. And spring precipitation was 2.5 inches above normal, totaling 12.3 inches water equivalent. These and more of Birkel’s findings are included on the updated Maine Climate News site. In 2009, the University of Maine Cooperative Extension and Maine Sea Grant, in partnership with the university’s Climate Change Institute, started Maine Climate News to provide a central source of information specific to the state. [caption id="attachment_56037" align="alignright"



width="475"]

The colors in the image represent where more (blue) or fewer (red) freezing degree days accumulated between Nov. 1, 2016 and March 31, 2017, compared to the average for the period 1979-2000. One freezing degree day equals one day when the mean temperature is 1 degree below freezing. Temperature units are in Celsius. From National Centers for Environmental Prediction Climate Forecast System Reanalysis[caption] “Our goal is to provide a portal to climate change science and research at the University of Maine and beyond, as well as a resource for news and climate-related activities throughout the state,” says Esperanza Stancioff, associate professor and climate change educator with UMaine Extension and Maine Sea Grant. “Sean Birkel, our state climatologist, provides updates on Maine’s climate seasonally.” One notable event of winter 2017 was a major Nor’easter on Feb. 12–13 that delivered over 30 inches of snowfall to some areas of central and Down East, Maine. While both winter and spring were wet, the winter was warm and the spring was cool, says Birkel. The average statewide winter temperature was 20.1 F and the average statewide spring temperature was 38 F. The temperature in March, says Birkel, was the third coldest since 1984, behind 2015 and 2014. On May 18, though, daytime high temperature across the state soared into the 80s and low 90s, breaking some records. Birkel says the climate in Maine and across the Northern Hemisphere is impacted by the declining extent and thickness of Arctic sea ice. Since 2007, September minimum sea-ice extent has been consistently lower than the historic baseline for the era of satellite observation, Birkel says, adding that particularly low sea-ice extents occurred in September 2007 and 2012. The 2017 melt season follows a record warm Arctic winter, and Birkel says it’s likely this September could prove to be yet another record-breaker if weather patterns conducive to melt develop. “There is less sea-ice volume across the Arctic Basin now than at this time of year in 2012. It is almost inevitable that a new minimum extent record will be set in September,” he says. “This translates to delayed onset of Arctic winter which will, in turn, impact atmospheric circulation across the Northern Hemisphere.” Birkel says one prominent view suggests a link between Arctic sea-ice loss and an increase in frequency of extreme climate events — heat and cold waves, record rain and snowfall — that have been observed across the Northern Hemisphere in the past decade. Maine Climate News also contains information from the [Maine Climate and Agriculture Network](#), which identifies data on climate change that could have the greatest impacts on agriculture. It also looks to link management options that limit farm risk and takes advantage of opportunities. Changes in average weather and extreme weather are affecting Maine agriculture, bringing both risks and potential opportunities, according to data compiled by the network. One notable difference is that the average length of Maine’s frost-free growing season is 12–14 days longer than it was in 1930, and it’s expected to continue to increase by two to three days per decade. Several potential responses to the longer growing season include choosing longer-season crops or varieties, being flexible with earlier or later planting dates and raising two consecutive crops on the same land during a single growing season. Daily high and overnight temperatures also are increasing, according to the network. The high temperatures can damage crops, including apples and peppers, as well as impact the health and productivity of dairy cows and other livestock. Possible responses involve considering temperature sensitivity in site/crop/variety and breed selection; adjusting schedules to reduce worker heat exposure; and having misting or other systems to cool livestock. The Maine Climate and Agriculture Network also reported the frequency of extreme storms in the state increased in 74 percent between 1948 and 2011. Intense storms used to occur an average of once per year and they now occur an average of once per 7 months. In addition, the maximum hourly rate of precipitation increased by about 35 percent between 2001 and 2013. The frequency and intensity of extreme precipitation events are expected to continue increasing in the coming decades. Intense rainstorms during the growing season increase the risk of soil erosion, seed loss, soil saturation, flooding, nutrient runoff and loss of fieldwork days. Strategies include selecting flood-tolerant crops/varieties, installing ditches or drainage tiles to handle excess water and greater use of greenhouse and hoop house production. The updated Maine Climate News also includes an article about doctoral student Nicole Ramberg-Pihl’s research involving Atlantic salmon habitat in a rapidly changing climate, and recent [blogs](#) about the wet spring, extreme precipitation in the Gulf of Maine, and early 2017 global heat records. Contact: Beth Staples, 207.581.3777

UMaine Extension sustainable agriculture twilight tour July 6

30 Jun 2017

Soil health is the theme of University of Maine Cooperative Extension’s annual sustainable agriculture twilight tour 4:30–7:30 p.m. Thursday, July 6, at UMaine’s Rogers Farm, 914 Bennoch Road, Old Town. The free public event is designed for farmers, crop advisers and others interested in agricultural

production who want to learn more about soil health, including demonstrations and tests, and UMaine research on innovative strategies to improve soil health in field crop production. Topics will include undersowing cover crops in small grains, alternative cover crop termination methods, opportunities to reduce tillage and increase soil cover in potato-grain systems, and the role of soil health in lessening the effects of severe weather. Scheduled presenters include John Jemison, a UMaine Extension water quality specialist; Ellen Mallory, an Extension sustainable agriculture specialist; Tom Molloy, an Extension sustainable agriculture research associate; and UMaine graduate students in sustainable agriculture Audrey Laffley, Margaret McCollough, Margaret Pickoff and Brogan Tooley. Participants will receive one pesticide certification credit and 2.5 certified crop adviser credits. Registration begins on-site at 4:15 p.m. For more information or to request a disability accommodation, contact Mallory at 581.2942, ellen.mallory@maine.edu. More information also is [online](#).

UMaine included in HuffPost article on Harry Potter college courses

30 Jun 2017

The University of Maine was mentioned in the [Huffington Post](#) article, “The magical ‘Harry Potter’ college courses for true Ravenclaws at heart.” Many incoming college freshmen for 2017 will have been born after the publication of “Harry Potter and the Philosopher’s Stone,” celebrating 20 years this summer, but the course offerings at universities around the U.S. prove the magic is still alive, the article states. A UMaine English course offered in fall 2016 was cited as an example. “Topics in Literature: Harry Potter’s Objects,” taught by Travis Baker, studied how author J.K. Rowling used objects such as wands, brooms and a Golden Snitch to convey meaning and develop characters across her seven “Harry Potter” books, according to the course description.

BDN interviews Knight about backyard goats

30 Jun 2017

The [Bangor Daily News](#) spoke with Colt Knight, a UMaine Extension assistant professor and state livestock specialist, for the article, “What to know before adding backyard goats.” The first thing that someone should consider when adding goats is that — like any other animal — you need to have the time and ability to take care of them daily, according to Knight. “Like any [animal], goats need to be cared for every day, whether there is 3 feet of snow or it is 95 degrees out,” he said. This daily care requirement also requires frequent visual check-ins to make sure the goats, which Knight likened to escape artists, haven’t broken from their enclosure, the article states. Goats are ruminant animals, meaning they are able to digest cellulose such as grass, hay and weeds, Knight said, which makes them great animals for clearing land or pasture. A sturdy wire, woven or electric fence are best to prevent goats from escaping, he said.

UMaine, Bigelow Laboratory win grant to aid oyster fishery, Press Herald reports

30 Jun 2017

The [Portland Press Herald](#) reported the University of Maine and Bigelow Laboratory for Ocean Sciences in Boothbay were awarded two grants totaling \$574,000 to fund a joint study of a marine protozoan parasite that infects oysters. The grants were awarded by the National Science Foundation, according to the article. Maine’s U.S. Sens. Susan Collins and Angus King made the announcement in a joint [statement](#). “This funding will support the innovative collaboration between Bigelow Lab and the University of Maine and further our knowledge of Maine’s marine ecology,” Collins and King said.

Maine Forest Dashboard website available

30 Jun 2017

The University of Maine Center for Research on Sustainable Forests has partnered with the Maine Forest Service to develop and release the Maine Forest Dashboard website. The site provides current information about aspects of Maine's forest, including recreation and tourism, conservation, forest products and family forests. It also provides interactive graphing capabilities with important statewide utilization data, such as annual county harvest levels by species (1996–2014) and nominal annual stumpage pricing by species and product (1959–2013). This data previously resided in annual reports prepared by the Maine Forest Service. The new website offers greater access to this historical data and ability to assess long-term trends. The website will be regularly updated as new data become available and additional features added. For more information, contact the Center for Research on Sustainable Forests, 207.581.3794; crsf@maine.edu. Contact: Aaron Weiskittel, 207.581.2857

Ceramic sculptor highlights impacts of climate change in Gulf of Maine

03 Jul 2017



"Ice Cores" by Paula Winokur

[caption id="attachment_56069" align="alignright" width="425"]

What do a ceramic sculptor, lobsterman and climate scientist have to talk about? Find out at 5:30 p.m. Friday, July 7 at St. Patrick's Church in Newcastle. University of Maine marine scientist Bob Steneck will join Port Clyde lobsterman Gerry Cushman and artist Nancy Selvin to view images of artist Paula Winokur's towering installations inspired by Greenland's icebergs, and discuss how melting polar ice impacts the Gulf of Maine. Nationally recognized radio producer and writer Julie Burstein will facilitate the talks. This is the first in a series of public conversations that bring together ceramic art masters, scientists and Mainers working in natural resource-based industries to examine intersections between art and contemporary environmental issues. The series, "Elemental Intersections," is organized by the Watershed Center for the Ceramic Arts, in partnership with University of Maine Cooperative Extension and the Maine Sea Grant Program. Funding is provided, in part, through a Creativity Connects grant from the National Endowment of the Arts. "Elemental Intersections" enables us to recognize the innovations and contributions of three master artists to the field of ceramics — Wayne Higby, Jack Troy and Paula Winokur — and explore how their work relates to the natural world," says Fran Rudoff, Watershed executive director. "Art and science both arise from human creativity, and have inspired each other throughout history," says Esperanza Stancioff, UMaine Extension/Maine Sea Grant climate change educator. "Many scientists are influenced by artists; many artists create, interpret and react to scientific knowledge. In my work with coastal communities, as in Paula's work, I see the power of images, sculptures and paintings to evoke and impress upon us how our climate is changing." The event is free and open to the public. St. Patrick's Church, at 380 Academy Hill Road, is a fully accessible venue. Sign language interpretation will be available; contact Watershed at 882.6075. More information is [online](#).

Boothbay Register advances climate change, art discussion in Newcastle

03 Jul 2017

[Boothbay Register](#) published a news release announcing the first in a series of public conversations that bring together ceramic art masters, scientists and Mainers working in natural resource-based fields to examine intersections between art and contemporary environmental issues. At 5:30 p.m. July 7 at St. Patrick's Church in Newcastle, Port Clyde lobsterman Gerry Cushman will join University of Maine marine scientist Robert Steneck and artist Nancy Selvin to view images of artist Paula Winokur's installations inspired by Greenland's icebergs, and discuss how melting polar ice is impacting the Gulf of Maine. The series, "Elemental Intersections," is organized by the Watershed Center for the Ceramic Arts, in partnership with University of Maine Cooperative Extension and the Maine Sea Grant Program.

Press Herald publishes op-ed by Scontras

03 Jul 2017

The [Portland Press Herald](#) published an opinion piece by Charles Scontras, a historian and research associate at the University of Maine's Bureau of Labor Education, titled "We should elevate the status of work in the modern economy."

Morning Ag Clips previews UMaine Extension's sustainable agriculture tour

03 Jul 2017

[Morning Ag Clips](#) published a University of Maine Cooperative Extension news release announcing the annual sustainable agriculture twilight tour 4:30–7:30 p.m. July 6, at UMaine's Rogers Farm in Old Town. Soil health is the theme of this year's free public event. The tour is designed for farmers, crop advisers and others interested in agricultural production who want to learn more about soil health, including demonstrations and tests, and UMaine research on innovative strategies to improve soil health in field crop production. Topics will include undersowing cover crops in small grains, alternative cover crop termination methods, opportunities to reduce tillage and increase soil cover in potato-grain systems, and the role of soil health in lessening the effects of severe weather.

Anderson speaks with BDN about vote to continue Sea Grant funding

03 Jul 2017

Paul Anderson, director of the Maine Sea Grant College Program, spoke with the [Bangor Daily News](#) for an article about a subcommittee of the House Appropriations Committee voting to push back on a proposal to de-fund the national Sea Grant program. The program, which is overseen by the National Oceanic and Atmospheric Administration, provides approximately \$1.2 million each year to roughly a dozen full-time researchers affiliated with the University of Maine, according to the article. Anderson said a subcommittee that oversees funding for commerce, justice and science voted Thursday to support funding the national Sea Grant program at \$63 million. “It’s way better than zero [dollars],” Anderson said of the subcommittee vote. “It’s very promising. We feel our advocacy [in support of the Sea Grant program] around the country has been effective.”

Strong, marine policy efforts featured in Press Herald

03 Jul 2017

The [Portland Press Herald](#) published a feature article on Aaron Strong, an assistant professor of marine policy at the University of Maine, as part of its “Meet” series. Strong said he loves being part of UMaine’s School of Marine Sciences. “I can work with our oceanographers on problems from the global scale down to right here in Maine,” he said, adding UMaine’s Senator George J. Mitchell Center for Sustainability Solutions is an added bonus. “It is one of the reasons I wanted to work at the University of Maine to start out with,” he said. As part of the steering committee for the Maine Ocean and Coastal Acidification Partnership, Strong is working to gather more data about on-shore sources of contributing factors to acidification, according to the article. “What we realized as a scientific community, that changed the game, is that there are drivers of acidification that we might have an ability to control,” Strong said. “We can adapt. It’s not going to fix the whole ocean, but it will maybe make a difference for the species and the local economy that you care about.”

Scallops the topic of Sea Grant Extension associate talk at DMC

05 Jul 2017

Dana Morse will talk about sea scallops and Maine’s fishing and farming industry at 10:30 a.m. Friday, July 7^[EST] in Brooke Hall at the University of Maine Darling Marine Center. Morse is an Extension associate with Maine Sea Grant and the University of Maine Cooperative Extension. His work includes educational programming, technology transfer and applied research with a focus on shellfish aquaculture. He develops approaches to integrate commercial fishing and aquaculture for the prosperity of Maine’s coastal communities. Sea scallops are a source of winter income for fishers in Maine. Through collaborative work with fishers and scientists in Aomori Prefecture, Japan, scallops could become a commercially viable aquaculture option in Maine. The seminar will cover the life history of scallops and possibilities for product development. [Online](#) registration for the free, public seminar is requested. The talk is part of the DMC summer science seminar series, at which eight renowned scientists in the field of marine biology will discuss topics ranging from studies in the Gulf of Maine to the exploration of the deep sea. The complete list of speakers is posted on the DMC [website](#). For a disability accommodation, call 563.3146.

Hopkins quoted in NMSU article on Food Camp for Kids

05 Jul 2017

Kathy Hopkins, a University of Maine Extension professor, was quoted in a [New Mexico State University](#) news release about Food Camp for Kids. The program, for children ages 9–14, is hosted by NMSU’s College of Agricultural, Consumer and Environmental Sciences’ Cooperative Extension Service in Valencia County. Campers learn about the agricultural industry in their county by visiting producers and preparing recipes with local products. “It was more than just a one-day workshop, it was a six-day experiential program that had both the agriculture and home economics components,” said Hopkins, who is chair of the National Association of County Agricultural Agents public relations committee. Hopkins said for that reason, Food Camp for Kids will be honored as a national finalist during the association’s annual conference in Salt Lake City on July 10.

AP interviews Beal about state’s soft-shell clam harvest

05 Jul 2017

The Associated Press spoke with Brian Beal, a professor of marine ecology at the University of Maine at Machias, for a report about Maine’s soft-shell clam harvest. Clams that are harvested by hand and raked from the state’s mudflats are becoming less plentiful due to threats including an uptick in predation from green crabs and milky ribbon worms, and increasing ocean acidification, the AP reported. Stabilizing the industry for the long term will mean adapting to changing environmental conditions, according to Beal. The heightened predation from the crabs and worms has tracked in line with rising coastal water temperatures, which are predicted to keep rising, he said. Beal said the predators are the clams’ biggest threat. One way for fishermen to cope with them is by employing strategies such as putting netting around areas of mudflats where clams grow and planting clam seed in protected areas, he said. “If we don’t adapt, we’re going to be dead in the water,” Beal said. “Unfortunately, our environment has changed.” [ABC News](#), [Minneapolis Star Tribune](#) and [Portland Press Herald](#) carried the AP report.

Kirby discusses mosquito-borne illness risk on WLBZ

05 Jul 2017

Clay Kirby, an entomologist and University of Maine Cooperative Extension professional, was interviewed for a WLBZ (Channel 2) report about Maine’s mosquitoes and related public health concerns. The spring’s wet weather has produced ideal breeding conditions for mosquitoes in the state, WLBZ reported. If puddles, kiddie pools and gutters that collected water during the spring remain still and full, more mosquitoes could breed, according to Kirby. “Fortunately in Maine, the mosquitoes that are out and biting in the spring and summer don’t present a very large risk of disease,” Kirby said. “It’s the mosquito populations that are out biting later summer, early fall that could be a potential problem if we see trends of EEE and West Nile in other states that are in the Northeast.” Kirby said the Maine Center for Disease Control and Prevention monitors increases in mosquito-borne illnesses and alerts the public when needed. He said long sleeves and bug sprays that contain DEET are the best resources for keeping mosquitoes off the skin.

Sun Journal interviews nursing student about volunteer trip to Costa Rica

05 Jul 2017

The Sun Journal spoke with University of Maine nursing student Natalie Bolduc of Dixfield for an article about her volunteer trip to Costa Rica. Bolduc was one of 15 UMaine nursing majors who traveled to the Central American country during spring break to provide health care to those in need, according to the article. “They aren’t lying when they say nursing is the most rewarding career,” said Bolduc, whose first volunteer trip as a nursing student was to Panama in 2016. “My experiences in Panama and Costa Rica validated that. The amount of smiles and thank yous I received were the best gifts, and they were priceless.”

Brewer quoted in AP report on end of Maine government shutdown

05 Jul 2017

The Associated Press spoke with Mark Brewer, a political science professor at the University of Maine, for the article, “Maine government shutdown ends with signing of \$7.1B budget.” Gov. Paul LePage succeeded in eliminating a lodging tax increase from the two-year budget in an agreement that ended a three-day state government shutdown, according to the article. House Republicans held out for the elimination of a 1.5 percent increase in the state lodging tax, while Democrats were pleased that additional funding was added to the Head Start and Clean Election programs, the article states. Brewer said that for someone who touts himself as an outsider, the governor has proven himself to be a shrewd politician. “He’s a pretty skilled operator,” Brewer said. “He found himself in a situation with a huge amount of leverage and he used it.” [U.S. News & World Report](#) and [The Sacramento Bee](#) carried the AP report.

The big ecological roles of small natural features

05 Jul 2017

Ecologists and conservationists have long recognized that keystone species have major ecological importance disproportionate to their abundance or size. Think beavers, sea stars and prairie dogs — species that keep an ecosystem balanced. Similarly across landscapes, the keystone concept of disproportionate importance extends to other ecological elements, such as salt marshes in estuaries. Now an international group of researchers is exploring the disproportionate ecological importance of small natural features — unique environmental elements that provide significant ecological and economic impacts. Desert springs. Caves harboring bat colonies. Rocky outcrops. Strips of natural vegetation edging agricultural fields. Riparian zones. Small coral heads. Tiny islands. Large old trees. These small natural features are often overlooked, relatively vulnerable yet environmentally mighty in their ecosystem. They also are at the opposite end of the spatial scale from the Earth’s large conservation superstars — the Serengeti, Yellowstone and the Great Barrier Reef. Small natural features have big ecological roles, according to the 37 researchers from 11 countries writing in a Special Issue of “Biological Conservation.” Sometimes they can provide resources that limit key populations or processes that influence a much larger area. Sometimes they support unusual diversity, abundance or productivity. They also are small enough to efficiently maintain or restore, while traditional land-use activities continue in close proximity, such as forestry, fishing and grazing. “Small natural features are an example of what can be termed ‘The Frodo Effect,’” writes Malcolm Hunter, University of Maine professor of wildlife resources and Libra Professor of Conservation Biology, in the journal introduction. “In the ‘Lord of the Rings,’ the small and unassuming hobbit Frodo has more strength than any of his larger peers and saves Middle Earth with his brave actions,” says Hunter. “Gandalf and the rest of the fellowship of the ring go to great ends to protect him, because they know this.” The July issue of “Biological Conservation” includes three synthetic reviews on small natural features and nine case studies. For each of the case studies, the authors explore three fundamental questions: Why are some small natural features far more important for maintaining biodiversity or providing ecosystem services than their size would indicate? What are the management challenges facing these features and what are some innovative approaches to conserving them? “The importance of some of these small natural features, most notably riparian zones, has long been recognized,” says Hunter. “In other cases, our recognition of their role is just emerging, such as caves that harbor large bat colonies known to effect widespread control of insect pests. We are also learning much more about the ecological significance of ephemeral features like temporary streams and pools that are dry much of the time but ‘blossom’ during limited periods.” “Recognition and management of SNFs (small natural features) can be an efficient way to conserve biodiversity and ecosystem services.” Most small natural features are defined physically, especially the presence of water or rocks. But some are biological entities. For example, trees large enough to harbor hollows and deep cracks in their bark provide microhabitat for many species that cannot live on smaller trees. The size of these natural features provide novel opportunities to conserve them, according to Hunter and 13 co-authors, including plant and animal biologists, economists and marine scientists, in the issue’s overall synthesis focused on conservation. While small natural features are often underappreciated, undocumented, vulnerable to degradation and risk of destruction, they also can involve small-scale, cost-effective protection and be easier to restore. “Ultimately, conservation of SNFs should be complementary to traditional forms of conservation by developing creative, constructive efforts that address previously unknown or underappreciated roles of some seemingly minor features — roles that may be critical in the function of their broader ecosystems and the fate of biodiversity,” the researchers write. Contact: Malcolm Hunter, mhunter@maine.edu; Margaret Nagle, nagle@maine.edu

Long-term study links tree seeds, rodent population fluctuations

05 Jul 2017

Using data from a 33-year population study, University of Maine researchers have found evidence that various tree species can affect rodent populations in different ways. The results advance the understanding of interactions between seeds and rodents, as well as complex population fluctuations, according to the researchers. The study was led by then-master of wildlife conservation student Ryo Ogawa and Alessio Mortelliti, an assistant professor of wildlife habitat ecology at UMaine. The amount of tree seeds in an area is known to affect rodent populations. However, knowledge surrounding demographic mechanisms by which seeds influence population density and growth rates is limited, the researchers say. To study the demographic mechanisms, the researchers used long-term population data on red-backed voles (*Myodes gapperi*) in the Holt Research Forest, a mixed deciduous-coniferous forest in Arrowsic, Maine. Previous studies established that the Holt vole population is cyclical, and found evidence that the extent of fluctuations is partly affected by the prevalence of white pine seeds, according to the researchers. The duration of the project, combined with a high number of tree species — 10 — in the research area, provided an opportunity to study the demographic mechanisms linking seed availability and rodent population fluctuations, the researchers say. The team found various seeds affected the vole population differently, and the effects were strongly dependent on the animal’s population density. They determined white pine seeds were particularly important when density was low, and their main effect was to increase recruitment. Paper birch seeds became important only when density was high and exerted their effect mainly by increasing survival. Jack W. Witham, an associate scientist in the School of Forest Resources and site manager of Holt Research Forest; and Malcolm L. Hunter Jr., Libra Professor of Conservation Biology and a professor of wildlife resources, are co-authors of the report. The results of the study were published in the Journal of Mammalogy. Contact: Elyse Catalina, 207.581.3747

UMaine marine sciences

05 Jul 2017

<https://youtu.be/rmMVe5ugOE> [Read transcript](#) A synopsis of marine research at the University of Maine and its impact both statewide and globally.

Transcript

Rebecca Van Beneden: The Earth is composed 70 percent of oceans. Look at the state of Maine. We have over 4,000 miles of coastline. A great many of our industries, our resources are marine-related. **Heather Leslie:** Our identity is deeply linked to the coast and the ocean. We are people who love to be out on the water, whether it's sailing, or catching fish, or just exploring new places. The ocean is really important to our cultural identity. **Pat Keliher:** Our coastal economy in the state of Maine is huge. **Yong Chen:** We try to find an optimal level of a catch so that both the fish population and the fishing industry can benefit from the fisheries. **Pat Keliher:** That lobster model changed the dynamics in lobster management within the Gulf of Maine. **Neal Pettigrew:** These buoys that we designed are out there 24/7. They're sending data back to the public and to all scientists every hour. **Dave Cousens:** Every fisherman I know uses it every day to see what the real conditions are then, and look at the forecast of what they're going to be. **Rick Wahle:** It's the nation's largest fishery. It's Maine's largest export. **Bob Steneck:** Now, over 80 percent of our value comes from one species. That's a dangerous place to be. **Rick Wahle:** We try to keep our finger on the pulse of those babies entering the population. **Bob Steneck:** This is a window into problems that are global in scope. **LeeAnne Thayer:** When the eyes appear I know that there's actually an embryo inside here. **Heather Hamlin:** If we can reduce embryo mortality then, all of a sudden, that increases their bottom line. That's a really important factor for them. **Ian Bricknell:** We have new vaccines going into fish for sea lice. If we have a major breakthrough there, then, we have a mechanism to control the most damaging disease in salmon aquaculture today. **David Townsend:** The red tides are one of the biggest public health concerns we have in the Gulf of Maine regions. We need to know when to expect these events to occur. We need to know where on the coast to be looking for it first. **Bill Mook:** When you look at the demand for seafood and you couple that with Maine's enormous coastline, it's a natural fit. **Paul Rawson:** There's a lot of opportunity for growth within the industry. To the degree that the university can help, we're there working with industry partners. **Gale Zydlewski:** In terms of the tidal power development, knowing what is the risk to different fish populations is what we're trying to get at. **Nathan Johnson:** They've been able to develop technologies, methodologies to get to some of the key answers around how marine life interacts with our power systems. **Teresa Johnson:** Marine policy has a special role to play in that in terms of being able to translate all of the work that biophysical scientists are doing to solutions on the ground, so people can understand it and say, "Oh, yeah. That makes sense." **Rhine Waller:** Everything is all connected together. The deep ocean is connected to the shallow water. The shallow water is connected to the land. The land is connected to the deep ocean. We have to study all of these processes to begin to understand how the world really functions. **Bob Steneck:** We've seen an undersea revolution on the coast of Maine. **David Townsend:** Marine science has never been more important in the Gulf of Maine region. **Rebecca Van Beneden:** We have a number of faculty focused on our backyard, Gulf of Maine, but we understand that the problems in the ocean is global. **Heather Leslie:** This close link between human well-being and ocean health is really important to understand. **Rebecca Van Beneden:** Our mission is to educate students in the marine sciences with the goal of promoting sustainability of the oceans. [Back to post](#)

Livestock tour and field day at J.F. Witter Center July 12

06 Jul 2017

University of Maine J.F. Witter Teaching & Research Center will host a livestock tour and field day 1–6 p.m. July 12 at 160 University Farm Road, Old Town. Tours will include the center's horse and dairy facilities, and pastured sheep and poultry flocks. Each tour lasts one hour and includes demonstrations and a question-and-answer session. UMaine School of Food and Agriculture researchers and graduate students, and Witter Center staff, will be leading the tours and discussions. Scheduled tour leaders include UMaine animal and bioscience specialist Gary Anderson; UMaine associate professors and veterinarians Robert Causey and James Weber; UMaine Extension assistant professor and state livestock specialist Colt Knight; UMaine associate professor of animal and veterinary sciences, and Extension dairy specialist Dave Marcinkowski; Witter Center staff Joshua Hatley and Elizabeth McLaughlin; and graduate students Melissa Hawks and Anastasia Russo. The event is free and open to the public. For more information or to request a disability accommodation, contact Hatley at 581.2793, joshua.hatley@maine.edu. More information about the Witter Center is [online](#).

Boothbay Register advances DMC talk on fishing, farming scallops

06 Jul 2017

[Boothbay Register](#) published a University of Maine news release announcing a Darling Marine Center talk about sea scallops and Maine's fishing and farming industry. Dana Morse, an Extension associate with Maine Sea Grant and the University of Maine Cooperative Extension, will speak at 10:30 a.m. Friday, July 7 ^[11] in Brooke Hall. Morse's work includes educational programming, technology transfer and applied research with a focus on shellfish aquaculture. He develops approaches to integrate commercial fishing and aquaculture for the prosperity of Maine's coastal communities. The seminar will cover the life history of scallops and possibilities for product development. The talk is part of DMC's summer seminar series. The complete list of speakers is [online](#).

Mechanical engineering student quoted in Forecaster article on invasive green crabs

06 Jul 2017

[The Forecaster](#) reported on a conservation project in Scarborough that is focused on killing invasive green crabs, which are predators of clams. About 20 people participated in the June 28 conservation project in part because Scarborough has an ordinance that requires fishermen holding a commercial shellfish license to complete 12 hours of conservation work annually to renew their licenses, according to the article. Sam Nygren, a mechanical engineering student at

the University of Maine, has had his commercial license for about three years. He returns to Scarborough each summer to dig for clams and participate in the clam conservation projects, the article states. “I think it is important for the future of the resource,” Nygren said. “Why shouldn’t we try to reduce the threat of invasive species?”

Republican Journal previews children’s art exhibit at Hutchinson Center

06 Jul 2017

[The Republican Journal](#) reported the public is invited to view the “Celebrating Sprouts” children’s art exhibit on display through July 21 at the University of Maine Hutchinson Center in Belfast. More than 24 framed artworks highlight the creativity of preschoolers ages 2 to 5. The pieces were completed during the recent school year at Broadreach Family & Community Services, which offers an early education pre-K program and a new nature-based outdoor preschool known as “Sprouts.” A free public reception will be held 5–7 p.m. July 11. The event will include opening remarks by UMaine faculty member Susan Armistead, parent testimonials, and a silent auction featuring selected art pieces by the children. All proceeds will benefit the early education programs of Broadreach, a nonprofit organization.

Steneck mentioned in Free Press article on Maine’s lobster industry

06 Jul 2017

Bob Steneck, a professor of marine sciences at the University of Maine, was included in a [Free Press](#) article about the current state of Maine’s lobster industry. Dave Cousens, president of the Maine Lobstermen’s Association, has been fishing out of South Thomaston for 50 years, according to the article. He started recording water temperatures from his fishing boat in 1981 when lobstering provided a stable living. That was also about the time marine scientists were talking about a potential lobster fishing crash, the article states. When UMaine hired Steneck, an enthusiastic marine explorer and an experienced diver, Cousens pushed the association members to start working with — and not against — scientists. Working with lobstermen up and down the coast, Steneck found abundant baby lobsters crawling around the bottom of the ocean, indicating that a new generation was coming, the Free Press reported.

Birkel speaks with BDN about above average precipitation over winter, spring

06 Jul 2017

Sean Birkel, Maine’s state climatologist and a research assistant professor at the University of Maine’s Climate Change Institute, was interviewed by the [Bangor Daily News](#) for the article, “Lots of rain, above average temperatures recorded in June in northern, eastern Maine.” Above average precipitation throughout the state over the winter and spring helped ease the 2016 drought conditions, according to Birkel. The statewide average precipitation was 2.3 inches higher than normal for the months of December, January and February, and spring precipitation was 2.5 inches above normal for March, April and May, Birkel said. He also acknowledged that the state experienced both a warm, wet winter and a cool spring. He said the average statewide winter temperature was 20.1 degrees Fahrenheit and the average statewide spring temperature was 38.

Provost Hecker selected for ACAO Digital Fellows Program

06 Jul 2017

The Association of Chief Academic Officers (ACAO) announced Jeffrey Hecker, the University of Maine’s executive vice president for academic affairs and provost, is among 32 provosts and chief academic officers nationwide who have been selected to participate in the ACAO Digital Fellows Program. Supported by a grant from the Bill & Melinda Gates Foundation, the ACAO Digital Fellows Program is designed to provide critical information, effective resources, and tested strategies to help chief academic officers and their faculty understand and adopt high-quality digital courseware, according to an ACAO [news release](#). The goal of the project is to explore ways to use digital technology to increase the retention and graduation rates among undergraduates, especially those who are first generation, low income, or students of color. The ACAO Fellowship Program also aims to curate a public archive of resources on digital learning and related issues for chief academic officers to foster student engagement and enhance learning at their institutions. The yearlong program includes four meetings of the fellowship recipients for workshops on digital learning. The Gates Foundation grant also includes support for individual campus projects focused on digital learning. The full ACAO news release, as well as a complete list of fellowship recipients, is [online](#).

Fermented food aficionados sought for survey

07 Jul 2017

Scientists in the University of Maine’s School of Food and Agriculture and Cooperative Extension are recruiting Maine residents to take part in a study about fermenting foods and beverages at home. Adults who make any of these foods at home, or would like to learn how to do so, are invited to complete a 10-minute, [online](#) survey. Respondents must be at least 18 years old. All information provided will be kept confidential, and the survey is anonymous. Responses will help the research team understand which topics and formats for information are most preferred by Maine fermentation enthusiasts. Fermented foods and beverages are growing in popularity due to their unique tastes and health benefits. Fermentation is a traditional food preservation method used to make foods such as sauerkraut, pickles, kimchi, kombucha and yogurt. For more information, contact Mary Ellen Camire at 581.1733, camire@maine.edu. The survey link will remain open until July 16.

Morning Ag Clips advances J.F. Witter Center’s livestock tour, field day

07 Jul 2017

[Morning Ag Clips](#) published a University of Maine news release announcing the University of Maine J.F. Witter Teaching & Research Center will host a livestock tour and field day 1–6 p.m. July 12 at 160 University Farm Road, Old Town. Tours will include the center’s horse and dairy facilities, and pastured sheep and poultry flocks. Each tour lasts one hour and includes demonstrations and a question-and-answer session. UMaine School of Food and Agriculture researchers and graduate students, and Witter Center staff, will be leading the tours and discussions. The event is free and open to the public.

Mandela Fellow to visit Belfast, Republican Journal reports

07 Jul 2017

[The Republican Journal](#) reported a young African leader from Djibouti, who is part of the Mandela Washington Fellowship Program, will stay in Belfast this weekend with local hosts. Aichia Ali is one of 25 young leaders from Sub-Saharan Africa who are spending six weeks at the University of Maine's Public Management Institute to participate in academic, professional, service and recreational activities statewide. Part of the UMaine curriculum for the group includes a "home visit" for the fellows to learn more about everyday life in America, according to the article. Ali holds a master's degree in agriculture, breeding and environment from University of Montpellier (France). Since 2015 she has been working as a project coordinator at the Ministry of Environment of Djibouti, where she works closely with other organizations to implement project activities for rural communities in remote areas to make them more resilient to climate change, the article states. This is her first trip to the U.S.

KJ announces Frankhauser's Garden Club scholarship

10 Jul 2017

The [Kennebec Journal](#) reported that Kevin Frankhauser, a junior forestry student at the University of Maine, will receive a \$1,000 Barrows Scholarship from the Kennebec Valley Garden Club. Frankhauser, who can assist in fighting forest fires, has interned with the Maine Chapter of the American Chestnut Foundation, where he focused on planting, inoculating, collecting data and identifying diseased trees. This summer, according to the article, he's interning with a land management company taking tree measurements and observing harvests.

TRJ covers UMaine senior at Waldo County GOP gathering

10 Jul 2017

Abby Bennett, a University of Maine senior recently elected secretary of the College Republican National Committee, was mentioned in [The Republican Journal story](#) about young leaders changing the public face of the Waldo County Republicans. "The Republican Party *can* be the party of young people — the party and its ideals are the most representative of my generation," Bennett told a recent Waldo County GOP gathering in Belfast. "We are more prevalent on campus than we often realize."

Boothbay Register previews Runge's talk at DMC

10 Jul 2017

[The Boothbay Register](#) advanced a talk titled "Plankton, Right Whales and Change in Gulf of Maine Ecosystem" by University of Maine professor of oceanography Jeffrey Runge at 10:30 a.m. Friday, July 14 in Brooke Hall at the Darling Marine Center. The talk is free and open to the public; registration is requested.

Cooperative Extension soil testing kits mentioned in Press Herald

10 Jul 2017

In Tom Atwell's Maine Gardner column titled "Let it be a wild, wild world" in the [Portland Press Herald](#), readers seeking to improve their soil are invited to contact University of Maine Cooperative Extension for a soil testing kit.

Stancioff speaks about Signs of Seasons in Press Herald

10 Jul 2017

In an article promoting volunteerism, the Portland Press Herald wrote about a New England Phenology program through University of Maine Cooperative Extension called [Signs of the Seasons](#). About 150 volunteers statewide observe and record seasonal change. There are 19 indicator species on the "watch" list, including the American toad, peepers and rockweed, according to the article. Observations are recorded in an online database. More [spotters are welcome](#), says coordinator Esperanza Standoff, an Extension educator with University of Maine Cooperative Extension and Sea Grant.

Aroostook Republican reports on potato beetle cannibalism

10 Jul 2017

Andrei Alyokhin, director of the School of Biology and Ecology, spoke with the [Aroostook Republican](#) about his research results involving Colorado potato cannibalism. He found that in a laboratory, Colorado potato beetles facing starvation and crowding ate beetle eggs and young beetles and injured beetles and other adults. Alyokhin said while it's a laboratory study and not suggestive of a "silver bullet" solution, it is an important finding. "It does show that if we create an unfavorable environment for beetles, for instance by crop rotation, they'll have nothing to eat when they awake from hibernation. If we create those kinds of unfavorable conditions, they may start eating each other." [Potato News Today](#) and [Phys.org](#) ran the UMaine media release about the findings.

Kirby speaks with BDN about solutions to garden pests

10 Jul 2017

Clay Kirby, an insect specialist with University of Maine Cooperative Extension, told the [Bangor Daily News](#) that some garden pests, including flea beetles, are "waiting for you to plant your seeds and put those seedlings out." To minimize damage without using pesticides, Kirby said it's necessary to "bring in a number of tactics to have an overall positive effect... All of the approaches should be regarded as fitting into an overall battle plan. There is no silver bullet," he said. Row covers and trap crops are two options, says Kirby, who adds that he picks them off plants and puts them into a coffee can of soapy water. "After

a rough day at the lab, it's therapeutic," he said.

BDN reports on Penobscot River Sovereignty Rally

10 Jul 2017

The [Bangor Daily News](#) reported that Darren Ranco, a Penobscot and chairman of the University of Maine Native American Programs, spoke at the Penobscot River Sovereignty Rally on Sunday. The U.S. Court of Appeals recently ruled 2–1 in favor of the state of Maine that the river surrounding the tribe's reservation islands, including Indian Island, is not part of the tribe's territory. An estimated 200 tribal members and supporters gathered at the Bangor Waterfront to say their fight for sovereignty is not over, according to the paper.

Logue cited in Morning Sentinel article about Head Start

10 Jul 2017

Mary Ellin Logue, an associate professor of early childhood education at the University of Maine, was cited in a [Morning Sentinel/Kennebec Journal](#) article about a proposed \$1.8 million budget cut that would have eliminated 83 slots statewide in the Early Head Start program. Instead, lawmakers agreed to fund the program at \$3.12 million, the same level as the previous budget, according to the article. "There are a lot of people who have a rough time in life, but if they get a second chance, they can reset," Logue said. "Head Start is a place where many families can start again and do better with their kids than their own experience was." Logue said research shows without intervention, poor children will enter kindergarten with lower language skills than their peers. The stress of being poor also takes a toll on families and on children's ability to learn, she said. "The costs of intervening early far, far, far outweigh the later costs," she said.

Stoll quoted in Press Herald piece about lobster shadow markets

10 Jul 2017

University of Maine research professor Joshua Stoll was interviewed for a [Portland Press Herald](#) story about North American lobster being traded along indirect and sometimes shadowy routes through Hong Kong and Vietnam to China. Stoll told the paper that the implications could be significant for the state's lobster industry. He and Swedish researcher Beatrice Crona, who are studying American lobster trade routes to China, presented their initial findings at the recent [international lobster conference](#) in Portland. "Trade isn't good or bad. But we should know who is buying our lobster and understand the risks. We could be in for a surprise," he said. The largest lobster price decreases the last 25 years were impacted by international events, Stoll said, including the World Trade Center attacks that changed flight and cargo shipping patterns, the 2007-08 global recession, and an early molt in 2012 that led to a glut of lobsters and Canadian lobstermen blocking routes to Canadian processing plants to stem the oversupply.

DMC hosts talk about right whales, changing Gulf of Maine

10 Jul 2017



[caption id="attachment_56165" align="alignright" width="167"] Jeffrey Runge[/caption] A University of Maine professor of oceanography will give a talk titled "Plankton, Right Whales and Change in Gulf of Maine Ecosystem" at 10:30 a.m. Friday, July 14 in Brooke Hall at the Darling Marine Center. Recent changes in the timing and abundance of zooplankton coincide with changes in right whale sightings, says Jeffrey Runge, who also is a research scientist at the Gulf of Maine Research Institute. Runge will discuss possible future scenarios involving plankton due to ocean warming and increased acidification. Runge's research examines the ecosystem's response to changes in zooplankton production, including larvae of commercially harvested fish and invertebrates, in the Gulf of St. Lawrence and the Gulf of Maine. The talk is part of the DMC's summer science seminar series. Renowned scientists in the field of marine biology engage the public in topics ranging from the studies of the Gulf of Maine to the exploration of the deep sea. [Registration](#) is requested for the free public talk. For a disability accommodation, call 207.563.3146.

Law enforcement training on campus in July

10 Jul 2017

The University of Maine Police Department will host training on campus for area law enforcement agencies July 12–14 and July 17–19. Officers from multiple agencies will be at DTAV, then move to an off-campus site. The training is part of UMaine PD's ongoing effort to ensure a high level of response capability for the campus community in the event of an emergency. For more information, contact Lt. Bob Norman, UMaine PD, 207.581.4040.

UMaine Mandela Washington Fellows to attend Bangor Greendrinks

11 Jul 2017

The public is invited to join the University of Maine 2017 Mandela Washington Fellows for an evening with Bangor Greendrinks on July 11. Starting at 6 p.m., guests can meet the fellows and others who are interested in environmental and sustainability issues at the COESPACE in Bangor. The event is hosted by the law firm Eaton Peabody, and a \$5 donation is suggested for entry. For the second year, 25 young leaders from Sub-Saharan Africa are spending six weeks at UMaine's Public Management Institute to participate in academic, professional, service and recreational activities statewide. The Bangor Greendrinks gathering is one of several cultural exchange events offered as part of the program. Bangor Greendrinks offers family-friendly events that focus on growing sustainable local businesses and provide an opportunity to network with professionals from throughout the region. More information is available on the [Facebook](#) event page or by emailing Molly Hodgkins at molly.hodgkins@maine.edu.

Republican Journal reports on Midcoast Leadership Academy graduates, event

11 Jul 2017

[The Republican Journal](#) reported the University of Maine Hutchinson Center and the Midcoast Leadership Academy have announced completion of the academy's seventh program year and the graduation of 18 current and prospective community leaders. The nine-month community immersion program studies issues, challenges and opportunities affecting the midcoast region; building a strong network of leaders throughout Knox and Waldo counties. [The Republican Journal](#) also reported the MLA will host a July 19 event at Cellardoor Winery and Vineyard in Lincolnville for alumni and prospective program participants who would like to learn about the academy. The MLA partners with the Hutchinson Center to provide CEUs, contact hours, and a UMaine certification, the article states.

Sen. King mentions UMaine in MaineBiz interview focused on energy, economy

11 Jul 2017

U.S. Sen. Angus King mentioned the University of Maine during an interview with [MaineBiz](#) that focused on energy. King also shared his thoughts on strengthening the state's economy by expanding broadband in rural areas and finding new uses for forest products. In response to a question about the shutdown of many paper mills, King said he sponsored a program called the Economic Development Assessment Team (EDAT) that brought seven agencies from the federal government together to help the state revitalize the forest economy by finding new uses for forest products. As examples, he cited cross-laminated timber and using fiber-based material as the feedstock for 3-D printing. "That's something the University of Maine is working on with Oak Ridge National Laboratory, and that grew directly out of the EDAT process," he said. "We need to strengthen and support the paper industry that we have, but we also need to think about what is the industry in the future based upon this enormous fiber resource that we have."

The Atlantic quotes Gill in article on animal population declines, extinctions

11 Jul 2017

Jacquelyn Gill, a professor of paleoecology at the University of Maine, was quoted in the [Atlantic](#) article, "It's a mistake to focus just on animal extinctions." Researchers state that fixating on the concept of extinction can lead scientists to overestimate the state of the planet's health, according to the article. If a species is completely wiped out, that's an important and irreversible loss, the article states, but before a species disappears entirely, it first disappears locally, and each of those local extinctions also matters. "The real trouble with mass extinctions, from a modern perspective, is that it's really hard to know you're in one before it's too late," Gill said. "By the time you compile the casualty list, the damage is done. ... Population declines are a common precursor to extinction, and it's a process we can actually do something about." Gill added that protecting biodiversity is the goal. "Even if this isn't a mass extinction, we're clearly still losing species that we care about. The loss of the white rhino hurts even if wasn't geologically superlative," she said.

Marine biology, aquaculture major speaks with MaineBiz about STEM jobs

11 Jul 2017

Isaiah Mansour, a double major in marine biology and aquaculture at the University of Maine, spoke with [MaineBiz](#) for an "Inside the Notebook" column titled "Where will Maine's STEM students go to work?" The author recently talked with Kevin Strange, president of the MDI Biological Laboratory in Bar Harbor, about entrepreneurship and STEM education in the state. He said Maine is better at attracting students to STEM disciplines, but getting them to find jobs is the problem. Strange mentioned Mansour as an example of a student he would like to nurture at the lab, and potentially see start a company. At the lab, Mansour works with adjuvants, agents added to a vaccine to help it amplify the body's immune response, according to the article. Mansour said one California company has developed an adjuvant using a sea snail, but it is high priced because the sea snail it uses is in short supply. He is looking for an alternative using red abalone, a more broadly available sea snail, which has been grown in an aquaculture setting at UMaine, the article states. If successful with the red abalone adjuvant, Mansour said he would like to start a company and potentially join the lab's existing incubator. "There are tons of STEM students in Maine," the Connecticut native said. "We need to foster a job market to keep the students in Maine. Labs and companies should work together. Every science student in Maine helps create a community that could help develop the fledgling entrepreneurial network."

Washington Post interviews Calhoun, Hunter about small natural features

11 Jul 2017

[The Washington Post](#) spoke with University of Maine professors Aram Calhoun and Malcolm Hunter for an article about the latest issue of the journal *Biological Conservation*, which focuses on the big ecological roles of small natural features. The issue was organized by Hunter, a professor of wildlife resources and Libra Professor of Conservation Biology, who calls the biological significance of small natural features the "Frodo effect," for the unassuming hobbit who becomes the hero of the "Lord of the Rings," the article states. Hunter said scientists must invest in small natural features if they want to protect much of the world's biodiversity. "We tend to focus on birds and mammals, and I love them, too, of course, but really the mother lode of diversity are all these little things," he said. In the journal, Calhoun, a professor of wetland ecology, defends vernal pools and other neglected parts of nature. Though vernal pools represent a relatively tiny proportion of the landscape, in some ecosystems they can support up to 35 percent of rare species, according to the article. Once you take a look at them, "you have to be impressed," Calhoun said.

Maine goat farm pasture walk to highlight organic forage study

12 Jul 2017

Abraham's Goat Farm and Creamery will host a pasture walk at 5:30 p.m. July 14 at 1000 Elm St. in Newport. Abraham's Farm owner and operator Kaili Wardwell recently participated in an organic forage legume study conducted by Cornell University Extension associate Tatiana Stanton. The forage, birdsfoot trefoil, has shown antiparasitic effects in sheep and goats. The pasture walk will include presentations by Stanton, and discussions with University of Maine Cooperative Extension professor Rick Kersbergen, and Maine Organic Farmers and Gardeners Association (MOFGA) livestock specialist Diane Schivera. Participants will hear about some agronomic practices that Abraham's Farm uses to establish and maintain birdsfoot trefoil, and selected data from the research trial. Abraham's Farm has a strict biosecurity program. Participants are asked to wear clean clothes and footwear that can be washed. Disposable boots will be provided. The event is free and open to the public. For more information and to confirm attendance, call UMaine Extension Waldo County at 342.5971 or Diane Schivera, 568.6022. To request a disability accommodation, call Kersbergen, 342.5971. Sponsors include Cornell University Animal Science sheep and goat program, UMaine Extension, MOFGA, Maine Grass Farmers Network, USDA Organic Research Extension Initiative, and Northeast Sustainable Agriculture Research and Education.

Children's tour at Orono Bog Boardwalk July 17

12 Jul 2017

A children's tour will be held at 10 a.m. Monday, July 17 at the Orono Bog Boardwalk located in the Rolland F. Perry (Bangor) City Forest. The tour will cover the history of the boardwalk, including how the bog formed over 15,000 years ago. Once on the boardwalk, children will learn about the different plants that grow in the bog. The walk is open to eight children from kindergarten through fourth grade, plus their guardians. Laura Whitney, a boardwalk summer intern and third-year ecology and environmental sciences student at the University of Maine, will lead the tour. For more information or to register, email jim.bird@umit.maine.edu. When registering, include a telephone number.

BDN speaks with Vollmers about Maine nonprofit's tax forms

12 Jul 2017

Gloria Vollmers, a professor of accounting at the University of Maine, spoke with the [Bangor Daily News](#) for the article, "Maine nonprofit paid disabled workers less than minimum wage, while execs got six figures." St. Albans-based Skills Inc. is the only employer remaining in Maine that pays some of its workers with disabilities less than the state minimum wage, under a federal law from 1938, the BDN reported. On its tax forms, Skills defines the enterprises where it employs clients, such as thrift stores and a lumber mill, as programs of the nonprofit, which means the organization can funnel any revenue it receives back into its operations, according to the article. Having a sawmill as a program of a nonprofit raised questions for Vollmers, who reviewed information from Skills' 990 tax forms filed with the IRS, the article states. At issue is whether the sawmill employed enough people with disabilities to warrant it being a nonprofit service. "Where does the gray area end in which you can have a business within a nonprofit and still call it a nonprofit?" she asked. [Maine Public](#) also carried the BDN article.

Laatsch discusses total solar eclipse, space launches on 'Maine Calling'

12 Jul 2017

Shawn Laatsch, director of the Emera Astronomy Center and Maynard F. Jordan Planetarium at the University of Maine, was a recent guest on [Maine Public](#)'s "Maine Calling" radio show. The show focused on the latest news from space, including the upcoming total solar eclipse and private space launches.

UMaine mentioned in BDN article on Orono Bog Boardwalk restoration

12 Jul 2017

The University of Maine was mentioned in a [Bangor Daily News](#) article announcing that after seven years of fundraising and construction, the \$1 million restoration of the Orono Bog Boardwalk is nearly complete. The boardwalk is accessed from a trail in the Rolland F. Perry (Bangor) City Forest. Beginning in a forested wetland, the wheelchair-accessible boardwalk travels across the Orono town line into a portion of the bog owned by UMaine, according to the article. Ron Davis, a professor emeritus at the UMaine School of Biology and Ecology and Climate Change Institute, founded the boardwalk in 2000 after years of leading his students out to the bog to learn about the ecosystem, the article states. To increase public awareness about the boardwalk and the reconstruction campaign, the Orono Bog Boardwalk will host a celebration for International Bog Day from 1 to 3 p.m. July 23, as well as a children's tour at 10 a.m. July 17. There also are plans for an upcoming workshop on ticks and mosquitoes led by Allison Gardner, an assistant professor of arthropod vector biology at UMaine.

UMaine team develops virtual environment for learning mathematics

13 Jul 2017

As virtual reality programs grow in popularity, more and more educators are using them to teach students about a variety of subjects, from science to geography to math. A team from the University of Maine recently released a beta version of one such program that allows students to learn geometry in a virtual 3-D space. The program, called HandWaver, was designed and developed at UMaine's Immersive Mathematics in Rendered Environments (IMRE) Laboratory and was supported in part by the UMaine Faculty Research Funds Program sponsored by the Office of the Vice President for Research. Justin Dimmel, assistant professor of mathematics education and instructional technology with the College of Education and Human Development and IMRE's director, says the program is designed for users of all ages. "We wanted to harness the potential of commercially available virtual reality and gesture-tracking technologies to create an environment where anyone would be able to quickly and intuitively build and explore a range of geometric figures," says Dimmel. Dimmel adds that HandWaver was designed to be gesture-based to minimize the barriers between the intuitions people might have and the mathematical actions they might take to investigate those intuitions. He says it's intended as a prototype of the kinds of learning experiences that will be increasingly

available to schools as virtual reality technologies become more commonplace. The program allows students to manipulate mathematical figures (i.e., shapes) in virtual reality, using simulations of their actual hands. For example, users can pinch and stretch objects, like points, to transform them into higher dimensional objects, like line segments. With repeated use of the stretching gesture, points can become line segments, which can become plane figures, which can become 3-D prisms. A separate set of gestures allows users to revolve shapes around axes to create new surfaces from the traces that figures make as they turn in space. The program also allows users to make shapes larger and smaller, or to modify the length of a line segment or the sides of an object to change its overall shape. All that's needed to use the program is a virtual reality headset. HandWaver is optimized for HTC Vive with a Leap Motion sensor affixed to the front of the display, but also supports other Open Source Virtual Reality gear and Oculus head-mounted displays. The IMRE team, which includes a graduate research assistant, undergraduate developers, and a recent UMaine graduate, is continually updating HandWaver based on testing by users. Lead developer and research assistant Camden Bock is a doctoral student in STEM education at UMaine. "The development of HandWaver has been an interdisciplinary collaboration, strengthened by the knowledge and intuitions of students from fields of education, mathematics and computer science as well as feedback from in-service teachers from across the state," Bock says. The program can be downloaded via a link at the [IMRE website](#). Last month, the IMRE team demonstrated HandWaver at a recent Virtual Reality Immersive Expo held by the Maine Department of Education at the state library in Augusta. Contact: Justin Dimmel, 207.581.2422; justin.dimmel@maine.edu

Donation to provide 97 new sections for Orono Bog Boardwalk

13 Jul 2017



[caption id="attachment_56202" align="alignright" width="504"] From left are James Bird, Orono Bog Boardwalk director; Jeff Mills, University of Maine Foundation president; and Jerry Longcore, Orono Land Trust representative. [caption] Katharine Kirkpatrick was an avid community member, adventurer and dedicated volunteer. After her 2016 death, the Katharine M. Kirkpatrick 2002 Trust gifted \$141,826 to the Orono Bog Boardwalk Campaign Fund held at the University of Maine Foundation. Her donation will provide 97 new boardwalk sections — including two interpretive stations and two wheelchair turnouts. In October, volunteers will remove old sections and install the new ones, which will increase the boardwalk's longevity by about 30 years. In 2010, the Orono Bog Boardwalk reconstruction campaign began with the goal of replacing the entire wooden boardwalk with composite decking, stainless steel footings and aluminum sidings. After sections made possible by Kirkpatrick's donation are installed, there will be 114 sections remaining to be replaced, at a cost of \$226,148. [Fundraising efforts](#) are ongoing and boardwalk volunteers are committed to raising the money necessary to complete reconstruction by the end of 2018.

Public invited to Damariscotta Estuary Marine Science forum July 17

13 Jul 2017

The University of Maine Darling Marine Center, aquaculture industry partners and the Damariscotta River Association invite community members to "Science for the People: Damariscotta Estuary Marine Science Public Forum" at 7 p.m. Monday, July 17 at Darrows Barn at Round Top Farm in Damariscotta. Presenters will provide synopses of research being conducted by the Sustainable Ecological Aquaculture Network (SEANET). The oceanographic research ranges from nitrogen cycle assessment to water quality monitoring planned for 2017 in the Damariscotta River Estuary. Sarah Gladu, Damariscotta River Association director of education and environmental monitoring, will talk about observations based on water quality data collected by citizen volunteers over the past several years in the estuary. Kathleen Thornton, a research specialist at the Darling Marine Center, will present water quality findings based on data from Maine Coastal Observing Alliance, a midcoast alliance of citizen monitoring groups that provides a regional perspective on changing estuarine conditions. "This is a wonderful opportunity for the community to learn about the research that is being conducted to better understand a wide variety of conditions and issues that are impacting this estuary and the region as a whole," Gladu said. "It is an opportunity to make sure that data and research is put to real and meaningful use by this community." Attendees will have an opportunity to speak with presenters, ask questions and participate in discussions. Refreshments will be provided. For more information, or to request a disability accommodation, contact Meggan Dwyer at 745.0834 or meggan.dwyer@maine.edu.

Researchers seeking fermented food feedback, WABI reports

13 Jul 2017

[WABI](#) (Channel 5) reported scientists in the University of Maine's School of Food and Agriculture and Cooperative Extension are recruiting Maine residents to take part in a study about fermenting foods and beverages at home. Adults who make any of these foods at home, or would like to learn how to do so, are invited to complete a 10-minute, [online](#) survey. Responses will help the research team understand which topics and formats for information are most preferred

by Maine fermentation enthusiasts. The survey [link](#) will remain open until July 16.

Brewer speaks with Morning Sentinel about political action committee websites

13 Jul 2017

Mark Brewer, a political science professor at the University of Maine, spoke with the [Morning Sentinel](#) for an article about U.S. Rep. Bruce Poliquin being criticized for his support of the Republican health care legislation following the release of separate online video and audio involving constituents challenging him, according to the article. Poliquin also is one of a dozen congressional Republicans being targeted in a new campaign because of their votes for the American Health Care Act. The House Majority PAC launched a website as part of its Congressional Accountability Campaign, which features audio recordings of constituents in those 12 congressional areas admonishing their representatives for voting on the legislation, the article states. Brewer said websites and efforts such as this one have become more common over the past few years, and their effectiveness depends on whether they ring true for viewers. Brewer said such campaigns possibly could affect the way a politician votes, but he added, "Again, it depends on how many people see this and what they do as a result."

UMaine awarded grant for Atlantic salmon farming research, MaineBiz reports

13 Jul 2017

[MaineBiz](#) reported the University of Maine is one of six companies to receive a Maine Technology Institute TechStart grant. The salmon louse is a common parasite affecting the Atlantic salmon farming industry that causes global economic losses in excess of \$750 million a year, according to the article. The \$4,500 TechStart grant, which will be matched by \$6,450, will be used to evaluate an alternative to current industry practices, the article states.

Hudson Museum exhibits 'Art from the Indian Island School'

13 Jul 2017

School's out for summer. But printmaking art created this past winter and spring by students at the Indian Island School is on exhibit in the Hudson Museum at the Collins Center for the Arts. "Art from the Indian Island School" will be displayed in the Minsky Culture Lab through Sept. 7, when a public reception will be held. At the close of the 4–7 p.m. reception, the student artists will be presented with their artwork to take home. Michael E. Vermette, the Indian Island School art teacher who helped organize the exhibit, says everyone is an artist and it's his goal to build students' esteem and skills to draw out their talent. "I get a great deal of satisfaction seeing their eyes light up and the transformation a student goes through when their piece comes alive with color," he says. Each participating grade — fifth through eighth — used a different printmaking technique to create the art. Students in grade 5 made hand-colored etchings and youth in grade 6 created landscape prints from carved linoleum blocks. Grade 7 artists used techniques pioneered by Andy Warhol to create silkscreened photographic self-portraits. And students in grade 8 made color lithographs with a technique traditionally used to replicate multiple copies of original works of art. "I like to challenge them so they're proud," says Vermette, adding he's gratified when students are willing to show and share their work, especially self-portraits. Vermette is an award-winning artist who earned a BFA in painting from the Maine College of Art and a certificate in art education at the University of Maine. The signature member of the New England Watercolor Society is showing at four galleries this summer: Gleason Fine Art in Boothbay; North Light Gallery in Millinocket; Lupine Gallery on Monhegan Island; and Yarmouth Frame & Gallery. Through August, Hudson Museum hours are from 9 a.m. to 4 p.m. Monday through Friday.

Alumni, students take on leading roles at Mount Desert Island Historical Society

14 Jul 2017

A Mount Desert Island Historical Society news release noted the many contributions of University of Maine community members to its organization. Over the past few years, UMaine students, faculty and alumni have taken on expanded roles in the society, a regional nonprofit located about 90 minutes from UMaine's campus in Orono. New Champlain Society Fellow Erik Reardon earned a Ph.D. in history in 2016. He recently wrote and narrated a documentary film on the history of a major Mount Desert Island watershed. He serves as co-editor of the society's annual magazine, *Chebacco*. Rachel A. Snell, who also earned a Ph.D. in history in 2016, is curator of collections. She is responsible for care of the society's physical and digital collections, creating exhibits, and managing the accessibility of online materials. She also serves as co-editor of *Chebacco*. Other Black Bear alumni have served as visiting history scholars, including Sean Cox, who created a digital map of a massive fire that swept MDI in 1947; and Bethany Warnock, who revised the society's website, making its catalog and thousands of historical photographs available to the public. Tim Garrity, who earned a master's degree in history in 2014, serves as the society's executive director. "Our connection with the University of Maine is one of our most valued institutional relationships," said Bill Horner, president of the society's board of directors. "UMaine students bring us their energy, curiosity and cutting-edge education to our community, while we provide them with a fresh field of research material and a setting where they can launch their careers." More information about the Mount Desert Island Historical Society is [online](#).

Political science major named ENACT student delegate

14 Jul 2017

University of Maine fourth-year student Miranda Roberts of Hermon has been chosen to serve as a student delegate for the Educational Network for Active Civic Transformation (ENACT), a new national program based at Brandeis University designed to engage young people in state legislative change. Roberts is a political science major with double minors in Spanish and Canadian studies. Her honors include a [John M. Nickerson University of Maine Scholarship](#) earlier this year. In summer 2016, she was an [intern in the Canadian Parliament](#). As an ENACT student delegate, she will foster civic engagement by mentoring and collaborating with members of UMaine student organizations to help them become more effective citizen advocates at the state legislative level, according to the organization's [website](#). She also will network with other students gaining similar skills and experiences at colleges and universities throughout the country. Last year, Roberts participated in a 300-level Maine government course led by Robert Glover, assistant professor of honors and political science. Glover is part of a nationwide network of ENACT Faculty Fellows who help students learn how to work with advocacy organizations, legislators and legislative staff members to advance policy. In Glover's class, students gain hands-on experience in legislative advocacy — from researching

bills before the state legislature and interpreting proposed legislation to learning how to interact with lawmakers to impact policymaking. This spring, students in the Maine government class will be in Augusta working directly with lawmakers to impact public policy, as well as with policy research and advocacy organizations in the state.

Newspapers advance Damariscotta Estuary Marine Science forum

14 Jul 2017

[The Lincoln County News](#) and [Boothbay Register](#) published a University of Maine Darling Marine Center news release inviting community members to “Science for the People: Damariscotta Estuary Marine Science Public Forum” at 7 p.m. July 17 at Darrows Barn at Round Top Farm in Damariscotta. The event is hosted by the DMC, aquaculture industry partners and the Damariscotta River Association. Presenters will provide synopses of research being conducted by the Sustainable Ecological Aquaculture Network (SEANET). The oceanographic research ranges from nitrogen cycle assessment to water quality monitoring planned for 2017 in the Damariscotta River Estuary. Attendees will have an opportunity to speak with presenters, ask questions and participate in discussions.

WVII reports on Emera Astronomy Center’s educational programs

14 Jul 2017

[WVII](#) (Channel 7) reported the Emera Astronomy Center at the University of Maine hosts educational and entertaining screenings about the universe. The center, which opened in 2014, has an observatory where spectators can view the night sky, as well as a domed theater where visitors of all ages can take in a variety of shows, WVII reported. “We’re very lucky to have this tool,” said Shawn Laatsch, director of the Emera Astronomy Center and Maynard F. Jordan Planetarium. “There’s not a lot of places that have a digital planetarium like ours.” A full program schedule is on the center’s [website](#).

Maine Sea Grant beach erosion monitoring program focus of Courier article

14 Jul 2017

The [Biddeford-Saco-OOB Courier](#) reported researchers at the Maine Geological Survey and the National Weather Service in Gray have been studying beach erosion patterns in York County with help from the Maine Sea Grant program at the University of Maine. Sandy beaches in southern Maine are under a greater threat than ever from coastal erosion due largely in part to human impact, according to the article. Volunteers in Saco and Old Orchard Beach have been providing information to the Maine Sea Grant to help better understand the health of their beaches and how communities can better respond to the issues facing them, the article states.

Boston Globe cites UMaine statistics in report on Trump’s potential blue lobster dinner

14 Jul 2017

[The Boston Globe](#) cited statistics from the Lobster Institute at the University of Maine in a report about an upcoming Paris dinner between President Donald Trump and French President Emmanuel Macron. The two presidents were expected to have dinner at Le Jules Verne, the posh restaurant on the second floor of the Eiffel Tower which is known to have baked blue lobster with caviar on the menu, according to the article. In New England, blue lobsters make news because they are rare. The chances of catching a North American blue lobster are one in two million, according to the Lobster Institute. Blue lobster on the Le Jules Verne menu are probably the not-so-rare European lobsters, which are closely related to North American lobsters, but their shells are mostly blue when taken from the ocean. Both lobsters turn red when cooked, [The Boston Globe](#) reported.

BDN interviews Savoie about safely fermenting food at home

14 Jul 2017

Kathy Savoie, a University of Maine Cooperative Extension educator and professor, spoke with the [Bangor Daily News](#) about how to safely ferment food at home. As products like kimchi, kombucha and kefir gain in popularity, more people are looking to try fermentation — an age old method of food preservation — in their home kitchens, according to Savoie. “With any home preservation there is always a concern around workspace cleanliness. There [are] just less safety steps or controls in place at home than there are at a production facility,” said Savoie, a local food preservation specialist. “People need to understand what is going on with fermentations and that salt, moisture, oxygen levels and temperature are all a part of the equations that needs to be followed closely to make sure in the end you have a safe product.” If at any point during the fermentation process off odors or colors develop, Savoie said not to chance it by tasting it. “A lot of things have advanced in the realm of food safety, but one of the things that hasn’t is the old adage, ‘When in doubt, throw it out.’”

Business Insider quotes Grew in article on lasting human-made changes to planet

14 Jul 2017

Edward Grew, a research professor of geological sciences at the University of Maine, was quoted in the [Business Insider](#) article, “Humans have caused surprising changes to the planet that will be visible billions of years from now.” Grew helped write a recent paper that cataloged for the first time 208 new minerals that humans have left behind. The scientists’ work suggests that humans are responsible for roughly 4 percent of all the minerals on Earth — the most new materials to show up in the geologic record since oxygen appeared more than 2.2 billion years ago, according to the article. These materials will be visible for millions or even billions of years and will “mark our age as different from all that came before,” Grew said. Many of the new minerals were formed along the walls of mines, where cool, moist air reacts with sooty particles of iron ore, the article states. “When one looks at a mine, it’s really a disturbance of the Earth’s surface,” Grew said. “You’re just stirring a pot in a way, exposing ores to a different environment and getting these new minerals to form.”

Bromley speaks with WABI about massive iceberg breaking off Antarctica

14 Jul 2017

Gordon Bromley, a research assistant professor at the University of Maine's Climate Change Institute, spoke with [WABI](#) (Channel 5) about an ice shelf weighing more than one trillion metric tons and measuring about the size of Delaware that recently broke off from Antarctica. Bromley, who has taken multiple research trips to the continent, said a breakage isn't uncommon and scientists have been monitoring the crack for quite some time. "The iceberg carving process is a natural process. This is how ice sheets and glaciers lose mass. And in Antarctica it's the principle way they shed all that snow that fell on the interior," he said. "This giant iceberg is not going to change sea level because it's already displacing that water." However, even though the breaking is a natural occurrence, that doesn't mean the region isn't experiencing problems, WABI reported. "This part of the world has been warming very quickly," Bromley said. "It's one of the fastest warming places on Earth."

UMaine researchers to unveil wild bee habitat assessment tool July 19

17 Jul 2017

University of Maine researchers have developed a tool called "BeeMapper" that will allow blueberry growers to assess the predicted wild bee abundance in the landscape surrounding their crop fields. They will debut and demonstrate the computer-based tool on Wednesday, July 19 at the UMaine Cooperative Extension annual Wild Blueberry Summer Field Day at Blueberry Hill Farm in Jonesboro. "Having a better understanding of the predicted wild bee abundance in the landscape surrounding crop fields is important when making pollination management decisions," says UMaine doctoral candidate Brianne Du Clos, who led the development of [BeeMapper](#) with funding from the university's [Senator George J. Mitchell Center for Sustainable Solutions](#). For example, knowing the numbers and types of wild bees in the surrounding landscape will help growers budget how many honeybee hives to rent and help determine if they could take more action to enhance wild pollinator populations on their fields. BeeMapper is part of a pollinator toolbox developed at UMaine that includes wild bee identification and monitoring tools, guidelines on installing pollinator plantings, and a budgetary tool to explore financial feasibility of pollination management decisions. Together, these tools will help growers attract more wild bees to their farms. "Wild bees are a lot more efficient at pollinating wild blueberries compared to the honeybees growers rent," says Du Clos. "In particular, bumblebees do a much better job at pollinating the blueberry flower than honeybees do." Evidence is mounting that pollinators, particularly honeybees, are declining in the U.S. and globally, decreasing by more than 40 percent since 1980. The loss is not only an environmental problem; it also has economic ramifications for farmers who grow animal-pollinated crops. Maine, which has the biggest wild blueberry economy on Earth — producing over one third of the world's wild blueberries — is particularly dependent on pollinators for its blueberry crop. Maine growers bring in up to 80,000 honeybee hives annually to pollinate the blueberry crop. But commercial hive availability and cost are likely to change. Maine has close to 300 native bee species, none of which live neatly in 40,000 insect colonies like the honeybee. But they can be attracted en masse by special pastures and certain plants. BeeMapper developers used eight land cover types that they determined are relevant to Maine's bee populations and then used an ecosystem model to make predictions on wild bee abundance at each point across the landscape. "The tool will give growers better information on what the wild bee habitat is and where the bees that are pollinating their crop are coming from," says Du Clos. Information from BeeMapper can be used to determine placement of honeybee hives during blueberry pollination, establish a pollinator conservation plan for particular crop fields, and help understand wild bee communities in different types of land cover. Du Clos notes that grower input and support was a crucial part of the development process; two prototypes of the tool were tested with growers and their feedback was incorporated into the final version. For more information, contact David Sims, communications and outreach coordinator, Senator George J. Mitchell Center for Sustainability Solutions, 207.581.3244; david.sims@umit.maine.edu. Contact: David Sims, 207.581.3244; david.sims@umit.maine.edu

Kaye to speak about caregivers of older adults at UMMA

17 Jul 2017

Len Kaye, director of the University of Maine Center on Aging, will deliver a noontime talk July 20 at the UMaine Museum of Art in downtown Bangor. Kaye's talk, "Caregivers of Older Adults: America's Unsung Heroes," is being held in conjunction with Jason Bard Yarmosky's "Somewhere" exhibition. The exhibit features a series of paintings, drawings and video that explore issues of aging, specifically dementia and Alzheimer's. Developed in partnership with St. Joseph Healthcare, "Somewhere" will be on display at UMMA through Sept. 2. The exhibit is the focus of a [series](#) of noontime talks and workshops aimed at educating family caregivers and others in the community about age-related dementia, Alzheimer's disease and the role of art in a healing environment. All programs are free and open to the public. Other educational partners include the UMaine Center on Aging, Alzheimer's Association Maine Chapter, and Dirigo Pines. More about Yarmosky's [exhibit](#) is on the UMMA website.

Lobster Institute statistics cited in CBC News report on calico lobster caught off PEI

17 Jul 2017

[CBC News](#) cited statistics from the Lobster Institute at the University of Maine for a report about a calico lobster that was caught off the coast of Canada's Prince Edward Island. Calico lobsters, known for their uniquely colored shells and distinctive pigmentation, are anything but ordinary, the article states. According to UMaine's Lobster Institute, the odds of catching one are one in 30 million, CBC News reported.

Mayewski mentioned in Morning Sentinel article on Maine International Film Festival

17 Jul 2017

Paul Mayewski, director of the Climate Change Institute at the University of Maine, was mentioned in a [Morning Sentinel](#) article about the opening of the 20th Maine International Film Festival in Waterville. The festival opened July 14 with a showing of "The Sounding," a psychological mystery about a woman living on an island off the Maine coast, according to the article. The night also featured projections by LumenArrt!, a collaborative of the Union of Maine Visual Artists which uses projected animations and images to communicate about pressing social and environmental justice issues, the article states. Friday night's projections focused on climate change and air and water quality in Maine. The group teamed up with Mayewski to educate Mainers about air quality in their communities and the rapid warming of Maine's waters, Morning Sentinel reported.

Scarborough Leader cites Maine Sea Grant statistics in report on invasive algae

17 Jul 2017

Maine Sea Grant at the University of Maine was mentioned in a [Scarborough Leader](#) article about invasive red algae on Pine Point Beach. Last summer, residents of the beach community asked the town council to ramp up the amount of times the beach is raked and cleaned in order to remove the red algae, *Heterosiphonia japonica*, which tends to pile up on the beach where it rots, setting off an unpleasant odor, article states. According to Maine Sea Grant, the seaweed, originally from Japan, was first detected in New England in the late 2000s and was seen in Europe as early as the mid-1980s.

UMaine Extension's Senior Gathering events focus of Morning Sentinel column

17 Jul 2017

Senior Gathering events hosted by the University of Maine Cooperative Extension were the focus of a recent [Morning Sentinel](#) column. The Senior Gathering, designed to provide a place for older adults to socialize, play games, take part in activities such as Make a Soup Day, share refreshments and sometimes hear a speaker, is held 1–3:30 p.m. the second and fourth Wednesday of every month in UMaine Extension's meeting room at 7 County Drive in Skowhegan, the article states. Anyone 55 and older is encouraged to join, free of charge, and may call UMaine Extension at 474.9622 ahead of time to notify organizers, according to Gail Watson, who coordinates the UMaine Center on Aging's Senior Companion Program and is administrative specialist for UMaine Extension. Senior Gatherings also are held in Canaan, Smithfield and Madison, the article states. "It's really a collaborative thing, and we hope it will grow," Watson said.

Mount Desert Islander advances storm surge talk by Huguenard, Rickard

17 Jul 2017

[Mount Desert Islander](#) reported University of Maine professors Kim Huguenard and Laura Rickard will talk about estuaries and storm surge at the Somes-Meynell Wildlife Sanctuary in Mount Desert at 7 p.m. July 20. During "Sensing Storm Surge: A Citizen Science Approach to Measuring Storm Surge-Estuarine Interaction in Maine," Huguenard, an assistant professor in ocean and marine engineering, and Rickard, an assistant professor of communication, will provide an overview of research examining how physical characteristics of estuaries may intensify or attenuate the effects of storm surge, according to the article. This information will be critical for communities planning for future coastal development and climate change adaptation, the article states.

Wahle's settlement index cited in Mainebiz article on lobster catch, prices

17 Jul 2017

[Mainebiz](#) cited information from the American Lobster Settlement Index in the article, "Lobster catch down, prices remain steady." Maine's lobster catch is lower than recent years at this time of the season, but that hasn't translated into higher prices for consumers, according to the article. Earlier this year, findings of an international monitoring program of American lobsters indicated the number of young lobsters in the Gulf of Maine continues to fall. The 2016 update from the American Lobster Settlement Index, a program founded in 1989 by University of Maine marine scientist Rick Wahle, noted the decline in baby lobsters has been occurring since 2007, despite an abundance of egg-bearing adult lobsters and record-breaking harvests, the article states. "A downward trend in lobster production could significantly impact the state's coastal economy in the future," the settlement report states. The Sun Journal also cited the index in the article, "Maine's youngest fishermen: hooked on tradition, challenged to innovate."

WVII reports on honey, maple syrup production study

17 Jul 2017

[WVII](#) (Channel 7) reported the University of Maine is working with the College of the Atlantic in Bar Harbor on a project that aims to help honey and maple producers in the state. The three-year study, which was awarded \$498,462 from the USDA, aims to increase knowledge of the production and marketing challenges and opportunities for small- and medium-sized beekeeping and maple syrup producers in the state. Project leaders told WVII there is a lot of interest in locally produced foods and helping those businesses thrive is not only good for them, but also for the state's economy and consumers. The project will help connect producers with others and find the resources they need to be successful, according to the report.

Public invited to potluck, dance with UMaine Mandela Washington Fellows

18 Jul 2017

University of Maine community members are invited to join the 2017 Mandela Washington Fellows for an international potluck and dance party on July 20. From 6 to 10 p.m., the fellows will join members of the local Women of the World (WOW) group and UMaine International Student Association (ISA) to host the public cultural exchange event in Estabrooke Hall. The evening will offer an opportunity to meet people and experience food and music from around the world. All guests are encouraged to bring and share a dish from their culture or region. The Mandela Fellows are 25 young professionals representing 18 sub-Saharan African countries. The potluck will begin at 6 p.m. with dancing expected to start around 8 p.m. For more information, visit the [Facebook](#) event page or email Molly Hodgkins at molly.hodgkins@maine.edu.

Gardner named director of Rising Tide Center and WGS Program

18 Jul 2017

Professor of higher education Susan Gardner has been named director of the University of Maine Rising Tide Center for Gender Equity, and the Women's, Gender, and Sexuality Studies Program. Her appointment, effective July 17, concludes a national search for a director of the center that is an outgrowth of UMaine's ADVANCE Rising Tide Center and support for the interdisciplinary academic program. With its expanded mission and philosophy, the Rising Tide Center, and the Women's, Gender, and Sexuality Studies Program will work to forward teaching, research and outreach efforts centered around gender equity and inclusive excellence. "The Rising Tide Center is essential to UMaine's commitment to diversity, gender equity and inclusion as a 21st-century university," says Jeffrey Hecker, executive vice president for academic affairs and provost. "Under Susan's experienced leadership, the center will build on its successful foundation of nationally recognized research and outreach initiatives, and provide a strong partnership with women's, gender, and sexuality studies. The center's collaborative focus on equity and inclusion will benefit the entire UMaine community, and provide important leadership in Maine and

beyond.” In 2011, the ADVANCE Rising Tide Center was established at UMaine with the help of a five-year, \$3.3 million grant from the National Science Foundation. The center’s purpose was to improve opportunities for female faculty members in science, technology, engineering and mathematics (STEM), and social-behavioral sciences to “create a rising tide for the entire university.” The initiative was part of a national effort to develop systemic approaches that can be institutionalized at colleges and universities to increase the representation of women. At UMaine, the initiative resulted in improved hiring, mentoring, peer-review, and promotion and tenure processes across campus. In spring 2016, the ADVANCE Rising Tide Center marked its fifth anniversary at UMaine. Because of its success, the university committed to continuing the effort and expanding the center’s mission to focus on female faculty from all academic disciplines, with the goal of improving gender equity throughout the community. Gardner was a co-principal investigator on the NSF ADVANCE grant and served as the center’s research team leader. Gardner also directed the Rising Tide Center for a year in 2013–14. In 2014, she was named associate dean of UMaine’s College of Education and Human Development, and a year later served nine months as interim dean. Prior to joining the UMaine community in 2007, Gardner was at Louisiana State University, where she taught courses in higher education, and in women’s and gender studies. The Rising Tide Center for Gender Equity connects well to the core tenets of the Women’s, Gender, and Sexuality Studies Program. Established in 1981, the WGS Program has a rich history of examining gender and sexuality as they intersect with race, ethnicity, class, nationality, ability and other sites of social inequality. Providing an undergraduate major, minor and graduate concentration, its students and graduates connect with Maine’s communities and organizations to further gender and sexual equity.

Howard writes op-ed for BDN

18 Jul 2017

The [Bangor Daily News](#) published an opinion piece about the Paris climate agreement by Michael Howard, a philosophy professor at the University of Maine. Howard 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.

Wahle discusses lobsters on ‘Positively Maine’ radio show

18 Jul 2017

Rick Wahle, a research professor in the University of Maine’s School of Marine Sciences, was a recent guest on [Newsradio WGAN](#)’s “Positively Maine” radio show. The episode focused on Maine lobsters and explored topics including the crustacean’s future population and ocean health.

Search begins for next UMaine president, BDN reports

18 Jul 2017

The [Bangor Daily News](#) reported the University of Maine System’s board of trustees approved an expanded 18-member search committee to find a replacement for University of Maine President Susan J. Hunter, who is expected to retire in June 2018. Hunter became UMaine’s 20th president in June 2014 and is the first woman to lead the institution. Her job description grew in recent months when UMaine and the University of Maine at Machias entered a partnership, putting Hunter at the helm of both universities, the BDN reported.

Biddle speaks with Maine Public about struggles rural schools face

18 Jul 2017

Catharine Biddle, an assistant professor of educational leadership at the University of Maine, was interviewed by [Maine Public](#) for the report, “As tax bases erode, rural schools struggle to meet students’ basic needs.” One reason Maine educators say they need more funding is that they are taking on responsibilities they have never had before, such as providing extra food, medical services and even washers and dryers to clean students’ clothes, according to the report. Rural Maine schools need the most help, but often lack the tax base to pay for it, the report states. “A lot of schools are thinking about this from the perspective of Maslow’s hierarchy of needs,” said Biddle, referring to the motivational theory of psychologist Abraham Maslow, who created a hierarchy of basic human needs. “Kids can’t be hungry or they won’t be able to learn. When the community is meeting fewer of those needs, the school has to do more.” However, Biddle said finding money to support these efforts is often most difficult in communities that are losing jobs and people, and when a community loses tax revenue and students, the schools often have less money to help. “I think that’s the fundamental paradox in Maine,” she said. “When you have economic decline, you have a tax base that’s eroded, which increases in poverty, in need for all families and residents; not just for young people. And the ability to then take on the burden of school funding, and the increased need for schools to get funding, becomes really challenging.” The [Bangor Daily News](#) also carried the Maine Public report.

Mayewski discusses importance of climate change research on PRI’s ‘The World’

18 Jul 2017

Paul Mayewski, director of the Climate Change Institute at the University of Maine, spoke with [Public Radio International](#)’s “The World” for the report, “Climate change research can be risky. But not doing it is even riskier.” Mayewski has led more than 50 expeditions to places including the Antarctic, Greenland, the Himalayas, the Tibetan Plateau, and the Andes, according to the report. Mayewski and his teams collect ice cores, long cylinders of ice and snow drilled out of glaciers and ice sheets that hold glimpses of the Earth’s climates in the past, the report states. The ice cores help scientists predict future climate changes. The report also mentioned UMaine climate scientist Gordon Hamilton, a professor in the School of Earth and Climate Sciences and researcher with the CCCI, who died in a field accident in October 2016 while conducting research in Antarctica for the National Science Foundation. “It was just a terribly unfortunate accident that happened to an extremely experienced person,” Mayewski said. When asked why scientists don’t use robots, satellites or drones to gather data, Mayewski said there are things that only a human hand can do, and only a human brain can understand and interpret. “It is absolutely essential for people to be out in the field,” he said. “We have been able to capture environmental records that tell us things you can’t find any other way.”

Sequencing reveals how Porphyra thrives in a tough environment

18 Jul 2017

Sequencing of the nuclear genome of *Porphyra umbilicalis* — laver or Atlantic nori — has revealed insights into how the bangiophyte red algae have thrived for over a billion years in the harshest environmental conditions — the pounding waves, baking sun and drying winds of the intertidal zone. An international research team of 50 scientists led by Susan Brawley, professor of marine sciences at the University of Maine, discovered ancestral mechanisms of cell wall formation, an array of ultraviolet/high light and thermal protection strategies, and a wealth of nutrient transporters encoded by the *P. umbilicalis* genome. Major support for the sequencing was provided by a contract from the Joint Genome Institute of the U.S. Department of Energy, which performed the sequencing, and by grants from the National Science Foundation to support analyses. [caption id="attachment_56279" align="aligncenter" width="600"]



Porphyra umbilicalis (laver) attains high biomass despite the high levels of stress in its habitat in the upper intertidal zone of the North Atlantic, as shown here at low tide at Sand Beach, Acadia National Park, Maine. Laver is a human food, and is being developed as an aquaculture crop by professor of marine sciences Susan Brawley and her team at the University of Maine. The completed genome provides insights to its nutritional value, especially to its content of minerals such as iron and vitamin C, vitamin E, and B vitamins including B12.[caption] The analysis of the *Porphyra* genome and the team's comparative analysis to available nuclear genomes of other red algae revealed novel features, including a reduced complement of motor proteins, unique signaling molecules and augmented stress tolerance mechanisms. The unexpected findings offer a potential explanation for why the red algae are constrained to small stature relative to other multicellular lineages. "The imprint of red algal metabolism on the Earth's climate system, aquatic food webs and human health is immense," note the researchers, whose findings were published in the *Proceedings of the National Academy of Sciences*. "Our analyses provide a comprehensive understanding of the red algae, which are both commercially important and have played a major role in the evolution of other algal groups through secondary endosymbioses." Fossil evidence shows that red algae (*Rhodophyta*) are one of the most ancient multicellular lineages, dating back 1.6 billion years with the oldest taxonomically resolved fossil (*Bangiomorpha*, 1.2 billion years old) closely resembling a living alga, *Bangia*, that is related to *Porphyra*. Both nuclear and plastid genes from the ancestral red algae have contributed dramatically to broader eukaryotic evolution and diversity. Just as important, *Porphyra* and its ancestors have competed successfully in the intertidal zone, one of the most physically stressful habitats on the planet, with daily and seasonally fluctuating temperatures, high levels of irradiance, and severe osmotic stress and desiccation, and through numerous changes in climate and mass extinctions over time. Today, *Porphyra* (laver) and related *Pyropia* (nori) species are valued as human foods, with a nascent laver aquaculture industry in Maine and Pacific nori established as the world's most valuable sea vegetable aquaculture crop (approximately \$1.5 billion annually). *Porphyra* is valued for its protein, vitamins and minerals. Yet until now, few red algal nuclear genomes have been sequenced. *P. umbilicalis* genome sequencing informs our understanding of red algal biology and how it differs from that of other eukaryotes. In their published findings, the research team focused on the species' cytoskeleton, the cellular mechanisms to cope with stress in a harsh environment, photoprotection, signaling and homeostasis, plant defense genes, cell walls, nutrient acquisition at high tide, and contributions to human nutrition. They discovered that the cytoskeleton that is so central to growth, development and ability to respond to environmental signals in most organisms has a strikingly small number of elements in *Porphyra* and other red algae. Such a minimal cytoskeleton offers a potential explanation for the extreme reduction in stature and complexity of red algae compared to most other multicellular lineages. Laver has long been considered to be a good source of vitamin B12, but only bacteria can synthesize this important vitamin; however, *Porphyra* was found to have genes encoding proteins that can remodel the pseudocobalamin made by bacteria, making it bioaccessible as vitamin B12 (cobalamin) to *Porphyra* and also to humans who eat laver. In addition, the unique calcium-dependent signaling pathway in the cells further suggests that *Porphyra* may use distinctive mechanisms to sense and respond to its environment. Contact: Susan Brawley, brawley@maine.edu

Forestry and environmental sciences at UMaine

18 Jul 2017

https://youtu.be/_wn6zbWb8mo [Read transcript](#) A synopsis of the research, education and overall impact forestry and environmental science at the University of Maine have on the state and beyond.

Transcript

Steve Shaler: The forest is important to every person in this state, whether their job is there, whether they recreate there, whether they just know that that beautiful forest is in their backyard. **Pat Strauch:** A huge economic engine for the state of Maine. **Steve Schley:** 18 to 20 cents out of every dollar that flows

through the Maine economy. **Sandra De Urioste-Stone:** \$8.3 billion generated by nature-based tourism. **Steve Schley:** The university, because of its land grant mission, stays focused on how natural resource management serves the state. All of that knowledge and resource is available to those who ask the right questions. **Steve Shaler:** All this change, all the new technology, all the new ways of thinking about things rather than just keep doing it the old way. It's a wonderful time to be part of. **Steve Schley:** The pulp and paper industry is still very, very strong here. **Mike Bilodeau:** It's one of the few places that you can take your idea from concept to commercialization all in one facility. **Nadir Yildirim:** The deal is using the tree 100 percent. **Hemant Pendse:** And turning it into new products, like crude oil or bioplastics. **Sean Ireland:** These are the materials of the next century. **Sarah Nelson:** Maine's identity is tied to freshwaters around the state. **Ivan Fernandez:** A drop of rain trickles down through a forest canopy, down the bowl of the trees into the soils and comes out a purer, more usable water. That has value to society. **Bill Livingston:** The future sustainability of the Maine forest is dependent on its health. **Malcolm Hunter:** Healthy forests require healthy populations of wildlife. **Joe Zydlewski:** When the migratory fish are in fresh water they're really forest creatures and are a critical part of how that seasonal breathing, in and out, of nutrients occurs. **Kate Ruskin:** Understanding how these birds are going to respond informs how all ecosystems are likely to respond to global change. **Pat Strauch:** Maine is helping us create the kind of students that we need in order to be very savvy about technology. **Carter Stone:** We're giving foresters better toolkits to do their job easier and much more efficient over a larger scale. **Sandra De Urioste-Stone:** We're linked. We cannot be separated from the environment. All that we do is going to eventually influence — positively or negative — how the system is going to function. **Bill Livingston:** The forest is Maine. **Steve Shaler:** The beauty of Maine is that we have a sustainably managed forest, a large amount that's right there, that's close to big markets. **Steve Schley:** We're incredibly blessed that the university stays focused on its land grant mission. One of the things that we have and are very fortunate about is, if not the top forestry school in the country it's top five, for sure. It has been for years. The university recognizes that and won't let it go. We won't let them let it go. It's a real advantage to the state. [Back to post](#)

'World of Trees' tour available at UMaine

19 Jul 2017

The diversity of international tree species found throughout the University of Maine campus is highlighted in a new two-part self-guided walking tour. The "World of Trees" self-guided walking tour joins four others introduced last year, focusing on gardens, outdoor sculptures, the historic district and other distinctive sights in the UMaine landscape. The self-guided walking tours are illustrated on a [website](#) that is designed to be compatible with mobile devices that can take advantage of interactive map and direction links. The self-guided tours, an initiative of the UMaine Division of Marketing and Communications, were created to be of interest to community members and campus visitors. Two of the principal researchers for the project are Marisue and John Pickering, who have multiple connections to the University of Maine. Marisue is a professor emerita and John an alumnus. Their decades-long experience as educators, and their shared interest in exploring Maine's historical and cultural heritage, led to their interest in collaborating on the UMaine self-guided walking tours. The tours offer a sampling of the breadth and depth of the beauty and legacy of Maine's flagship university, and suggestions for other sights to include are welcome. For more information, contact the Division of Marketing and Communications, 207.581.3743. Contact: Margaret Nagle, 207.581.3745

Brady to discuss Damariscotta River estuary environment at DMC

19 Jul 2017



[caption id="attachment_56303" align="alignright" width="223"] Damian Brady[/caption] Damian Brady will deliver a talk titled "One if by land, two if by sea: Understanding how Maine estuaries are changing" at 10:30 a.m. Friday, July 21 in Brooke Hall at the University of Maine Darling Marine Center in Walpole. Seventy-five percent of Maine's oyster harvest comes from the Damariscotta River. Brady will talk about why the estuary is so productive and how it's linked to changes occurring in the Gulf of Maine. The environmental ecosystem modeler and faculty member in the School of Marine Sciences also will discuss how what's known about the Damariscotta River can be applied to aquaculture in other estuaries. Brady, who studies the effects of agriculture and aquaculture on marine environments, also is assistant director of research for Maine Sea Grant and is part of the Sustainable Ecological Aquaculture Network (SEANET) project. The talk is part of DMC's summer science seminar series, where renowned scientists in the field of marine biology engage the public in topics ranging from the studies of the Gulf of Maine to the exploration of the deep sea. The complete schedule of speakers is [online](#). [Registration](#) is requested for the free, public event. For a disability accommodation, call 563.3146.

Psychology Ph.D. student receives two national awards

19 Jul 2017

Hannah Lawrence, a fifth-year doctoral candidate in clinical psychology at the University of Maine, recently received two national awards. Lawrence, who is from Shaker Heights, Ohio, has been awarded the 2017 Graduate Student Research Grant from the Association for Behavioral and Cognitive Therapies (ABCT). ABCT awards one grant annually to a graduate student whose dissertation research advances the mission of ABCT, which is dedicated to advancing scientific understanding, assessment, prevention and treatment of mental health disorders. Lawrence's dissertation research examines the affective, physiological and cognitive correlates of rumination during adolescence. In particular, her work assesses whether adolescents think about their sad or

depressed thoughts in the form of mental images or words/sentences, and compares whether these visual and verbal styles of rumination relate differently to the experience of depression. She is mentored in her research by UMaine psychology faculty advisers Rebecca Schwartz-Mette and Cynthia Erdley. In addition, Lawrence became the second UMaine psychology graduate student in the past two years to be selected to attend the 2017 Cognitive Behavior Therapy for Depression Workshop at the prestigious Beck Institute in Philadelphia, Pennsylvania. The Beck Institute is a world-renowned training center for mental health professionals to learn cognitive behavior therapy, an empirically supported approach for treating a variety of mental disorders. Lawrence was selected from a pool of more than 500 applicants based on her clinical and research interests on the role of mental imagery in depression. In 2015, then second-year clinical psychology doctoral student Rachel Goetze also was selected to attend the workshop. At this year's UMaine Student Symposium, Lawrence was a co-winner of the Janet Waldron Doctoral Research Fellowship. And last year, Lawrence, clinical psychology Ph.D. student Melissa Jankowski, and assistant professor Rebecca Schwartz-Mette attended the SIENA Winter School in Zurich, Switzerland, a four-day course in longitudinal social network analysis. The advanced statistical approach can be used to examine peer influence within social networks. A UMaine Regular Faculty Research Award to Schwartz-Mette funded the trip and a subsequent research study with at-risk adolescents in Maine to examine peer influence in depression and associated health-risk behaviors, such as self-injury and suicide. The statistical approach will allow the researchers to more precisely statistically examine peer influence effects in adolescent social networks.

Hazing study cited in LancasterOnline editorial

19 Jul 2017

Pennsylvania's [LancasterOnline](#) cited a 2008 University of Maine study in the editorial, "A worthwhile step toward ending fraternity hazing, once and for all." The [study](#), which was conducted by researchers Elizabeth Allan and Mary Madden, found that 55 percent of the 11,000 college students who were sampled had experienced some form of hazing. Yet of those, 95 percent never reported hazing to school officials or authorities, the editorial states.

UMaine museum mentioned in BDN article on economic activity report

19 Jul 2017

The University of Maine Museum of Art in downtown Bangor was included in a [Bangor Daily News](#) article about a recent study that found the city's nonprofit art and cultural organizations in 2015 generated \$10 million in economic activity and created hundreds of full-time jobs. The study, completed by the Washington D.C. lobbyist group Americans for the Arts, found that 14 nonprofits in Bangor, including the UMaine Museum of Art, Penobscot Theatre Co., American Folk Festival, Maine Discovery Museum, and Bangor Historical Society, spent \$3.4 million in fiscal 2015, and audiences at their events spent \$6.6 million, the BDN reported. Maine Public also carried the BDN article.

Seacoast Online covers Beaches Conference

19 Jul 2017

[Seacoast Online](#) reported on the 11th Beaches Conference held in Wells and hosted by the Maine Sea Grant College Program at the University of Maine. The conference, which is held every two years, was expanded this year to include New Hampshire, according to the article. "The focus of this conference is to bring the diverse beach stakeholders — from landowners to businesses, municipalities, researchers and conservation groups — together to provide for exchange of the most current information and to present the findings from Maine and New Hampshire beach-monitoring programs," said event organizer Kristen Grant, a marine extension associate with Maine Sea Grant and University of Maine Cooperative Extension. The proximity of coastal New Hampshire and Southern Maine to urban centers such as Boston, has translated into significant population and development pressure as these metropolitan areas expand, the article states. "We want to help all the stakeholders in these coastal communities plan for the future and adapt to the changing issues," she said. "Our goal is to engage everyone in the conversations about the issues facing our beaches."

\$7.5M grant awarded for Portland graduate center, media report

19 Jul 2017

The [Portland Press Herald](#), [Maine Public](#), [Bangor Daily News](#), [Mainebiz](#), [WVOM Voice of Maine](#), [Philanthropy News Digest](#) (PND), [WCSH](#) (Channel 6 in Portland), [WABI](#) (Channel 5) and [WGME](#) (Channel 13 in Portland) reported the Harold Alfond Foundation is giving a \$7.5 million challenge grant to the University of Maine System for its new Portland-based graduate center. The center plans to house the University of Maine School of Law, a new MBA program that replaces separate graduate business programs operating at USM and UMaine, and the graduate programs in public health, as well as public policy and management, which now operate at the Muskie School of Public Service at USM. It also will house the Cutler Institute for Health and Policy, which is the research arm of USM, the Press Herald reported. "This is a momentous day. This initiative has the potential to benefit the entire state," said UMaine President Susan J. Hunter. "It isn't easy to be working toward a future that is not in sharp focus. But it is absolutely the right thing to do."

AP reports on new bee-mapping tool for Maine blueberry growers

19 Jul 2017

The Associated Press reported on a new tool developed by University of Maine scientists that allows blueberry growers to learn how many bees they can expect to see around their fields. "BeeMapper" will be unveiled July 19 at Blueberry Hill Farm in Jonesboro as part of the UMaine Cooperative Extension's annual Wild Blueberry Summer Field Day. UMaine doctoral candidate Brienne Du Clos, who led the development of BeeMapper, said it will give farmers a better understanding of predicted abundance of wild bees in the landscapes that surround their crop fields. The tool will help farmers budget for honeybee hives if they know the numbers and types of wild bees in the areas around their fields, the article states. Maine Public, [WABI](#) (Channel 5), [WLBZ](#) (Channel 2) and The Sacramento Bee carried the AP report. [Morning Ag Clips](#) also published a UMaine news release on the tool, and [Down East](#) magazine mentioned it in its "Down East Dispatches."

Mandela Washington Fellows to present Ignite Talks July 24

20 Jul 2017

University of Maine community members are invited to attend the 2017 Mandela Washington Fellows Ignite Talks presentation July 24 at Hauck Auditorium. From 1-4 p.m., each of the 25 fellows will deliver a three- to-five-minute, TEDx-style presentation on a concept or topic. Subjects to be discussed include women's empowerment, water quality and access, health systems and climate change. For more information, visit the [Facebook](#) event page or email Molly Hodgkins, molly.hodgkins@maine.edu.

Lord Hall Gallery to display work by two Port Clyde artists

20 Jul 2017

This summer, the Lord Hall Gallery on the University of Maine campus will host exhibitions by two of Maine's leading artists, both of whom live in Port Clyde. The Susan Groce and Antonia Small exhibits will be on display from July 24 through Sept. 22. A free public reception for the artists will be held from 5:30–7 p.m. Friday, Sept. 15 in the Lord Hall Gallery. "Susan Groce: Prints and Drawings" will present the work of Groce, a professor of art at UMaine. Both her small- and large-scale images speak to the nature of space and the environment. Through her art, Groce makes visible the complexity and impermanence of the world and "how through environmental time, elemental forces such as wind, water, fire, as well as human activity, can dramatically alter our surroundings." She is particularly interested in how such changes often exist in the margins of our awareness. "Antonia Small: Photographs" is a selection of images related to the fishing and lobstering cultures of Maine's coast. The project began in 2009 as an effort to document the ground fishermen who worked to save their fishery through the development of the first community-supported fishery (CSF) in the country. The exhibition includes more than 30 black-and-white photographs from Port Clyde and Monhegan, making visible the places, people and processes that make up the fishing and lobstering cultures of Maine. The exhibition includes many of the images from Small's recent book, "Caught: time. place. fish." co-written with Glen Libby. Both exhibitions 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.

CBS News cites UMaine statistics in report of blue lobster caught in NH

20 Jul 2017

[CBS News](#) cited statistics from the Lobster Institute at the University of Maine in a report about a blue lobster that was caught off the coast of New Hampshire near where the state borders Maine. According to the Lobster Institute, only about one in every 2 million lobsters is blue. The institute's executive director, Bob Bayer, recently told [the BBC](#) the figures are merely a "guess," CBS News reported.

Hollywood Reporter publishes Socolow column on O.J. Simpson

20 Jul 2017

Michael Socolow, an associate professor of communication and journalism at the University of Maine, wrote a guest column for the [Hollywood Reporter](#) titled, "It's O.J. Simpson's world; we're just living in it." [CNN](#) cited the column in the article, "O.J. Simpson hearing: A blast from media past."

Germany's DW interviews Comins about potential space travel challenges

20 Jul 2017

Germany's international broadcaster [Deutsche Welle](#) (DW) interviewed Neil Comins, a professor of physics and astronomy at the University of Maine, about the potential challenges space settlers could encounter. Comins discussed his latest book, "The Traveler's Guide to Space: For One-Way Settlers and Round-Trip Tourists." "I do believe that space is the next frontier, and we can start now — evaluating the good and the bad of going into space, and coming to a reasonable decision," Comins said. "Space tourists, but also colonists, will have serious challenges, because our bodies are not built for any of the domains in space where we could head. But given time and engineering, scientific understanding, and possibly evolution, I expect we will be able to live off-Earth."

UMaine researchers to receive USDA funds for climate adaption project with UVM

20 Jul 2017

The U.S. Department of Agriculture's (USDA) National Institute of Food and Agriculture (NIFA) announced on July 19 nine grants totaling more than \$8 million to study and develop new approaches for the agriculture sector to adapt to and mitigate the effects of changing environmental conditions. The funding is made possible through NIFA's Agriculture and Food Research Initiative (AFRI) program, authorized by the 2014 Farm Bill, according to the USDA [news release](#). Among the grants announced is \$248,900 to the University of Vermont for a collaborative project that aims to support managers of land-based businesses, such as farms and forests, to independently plan, initiate and complete climate change-focused outreach, adaptation strategies, and peer-to-peer learning. "The Climate Adaptation Fellowship: A collaborative curriculum design project" includes University of Maine researchers Ivan Fernandez, a professor of soil science and forest resources in the School of Forest Resources and cooperating professor in the Climate Change Institute; Glen Koehler, an associate scientist of integrated pest management with the University of Maine Cooperative Extension; and Richard Kersbergen, a UMaine Extension professor and educator. The project and related research grows out of the regional collaboration made possible by the USDA Northeast Climate Hub. UMaine participates in the hub as one of the university partners, and Fernandez serves as UMaine's representative. Fernandez, Koehler and Kersbergen also participate in the UMaine-based [Maine Climate and Agriculture Network](#). Contact: Elyse Catalina, 207.581.3747

Maine Sea Grant 'Estuary Beat' column appearing in Working Waterfront

21 Jul 2017

Maine Sea Grant has started a new collaboration with [The Working Waterfront](#) newspaper, published monthly by the Rockland, Maine-based Island Institute. The "Estuary Beat" column provides short updates on science and environment news, research and events in Maine's coastal rivers, bays and harbors. Written by Catherine Schmitt, Sea Grant communications director, the goal of the column is to share information from the most inland reaches of the sea. Recent columns include "[Casco Bay and oil, hydro-acoustic in PenBay](#)," and "[Cleaning the Medomak, a beach conference, and fish passage in the Bagaduce](#)." Send estuary news to catherine.schmitt@maine.edu.

Wilson Center welcomes new director

21 Jul 2017



[caption id="attachment_56371" align="alignright" width="223"] Rev. Lauren Seganos Cohen[/caption] The Wilson Center for Spiritual Exploration and Multifaith Dialogue welcomed the Rev. Lauren Seganos Cohen as its new director on July 1. Cohen comes to the Wilson Center with a passion for higher education and multifaith engagement. She was the inaugural interfaith service coordinator at Juniata College in Pennsylvania, facilitating undergraduate opportunities for interfaith and intercultural engagement through community service. She earned a master of divinity at Andover Newton Theological School, where she was named a 2014–15 fellow in the Center for Inter-Religious and Communal Leadership Education. Cohen also worked with student leaders from a variety of faiths at the Memorial Church of Harvard University. Most recently, she served as an interfaith chaplain at Maine Medical Center, and she currently is the spiritual care coordinator at Inland Hospital in Waterville. Cohen will be at the Wilson Center on Mondays, Wednesdays and Fridays. The Wilson Center’s mission is to create progressive, ecumenical and multifaith dialogue for the UMaine community and through worship, study and service to work for social justice, honor diversity and provide opportunities for spiritual growth. The center’s core value is the equality of all people. The Wilson Center is located at 67 College Avenue. More information about the center is [online](#).

Mount Desert Islander advances Jacobson’s climate change talk in Bar Harbor

21 Jul 2017

[Mount Desert Islander](#) reported George Jacobson, professor emeritus of the University of Maine School of Biology and Ecology and the Climate Change Institute, will speak at Garland Farm in Bar Harbor at 4 p.m. July 27. Jacobson served as the state climatologist for several years, according to the article. His presentation will be based on his CCI research and will focus on how plants in Maine may help predict climate change, the article states.

BDN publishes op-ed by Nadelhaft

21 Jul 2017

Jerome Nadelhaft, an emeritus professor of history at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled, “The long, dark history of violence against women.”

Doctoral student teaches children about muscular dystrophy, WWII reports

21 Jul 2017

[WVII](#) (Channel 7) reported on a recent talk by a University of Maine doctoral student at the Challenger Learning Center in Bangor. Elisabeth Kilroy, a National Science Foundation Graduate Research Fellow who is pursuing a doctorate in biomedical science, taught students about how muscles work and discussed muscular dystrophy, a rare genetic disease that affects both her brother and dad, [WVII](#) reported. Kilroy is working to identify the muscular dystrophy gene and show that exercising can benefit people with the disease by experimenting with zebrafish, the report states. “I just hope maybe today was a defining moment,” Kilroy said, referring to the children’s experience. “One said they wanted to be a biologist, so maybe she’ll go on and be a biologist.”

New Food Economy speaks with Yarborough about wild blueberry surplus

21 Jul 2017

David Yarborough, a wild blueberry specialist at the University of Maine Cooperative Extension, was interviewed by [The New Food Economy](#) for an article about Maine’s blueberry surplus. This year, with a near-record harvest expected across the state’s 18,000 acres of barrens, the United States government is planning to buy \$10 million worth of blueberries to help support farmers who are facing low prices and increasing competition from both Canadian lowbush blueberries and domestic cultivated blueberries, according to the article. “We are victims of our own success,” Yarborough said of the downswing in the market. “Prices were good, and people were making a lot of money.” Now, some growers are finding their berries will cost more to harvest than the processors will pay for them, the article states. Yarborough also was quoted in a [Mainebiz](#) article on the market glut.

Mayewski discusses climate change with Penobscot Bay Press

21 Jul 2017

Paul Mayewski, director of the Climate Change Institute at the University of Maine, spoke with the [Penobscot Bay Press](#) about climate change, including the Paris Agreement and the Antarctic Peninsula. Mayewski discussed the effects of politics on U.S. climate change action and offered insight into the complex science behind determining humans' effect on the world's warming oceans, the changing jet stream, and the barrier between the cold air in the north and warm air in the south, the article states. "Most people think of scientists [as working] in a lab," Mayewski said. "I had a Ph.D. for 10 years before I thought of myself as a scientist." A research scientist enamored with "the thrill of going to unexplored regions, and the thrill that whatever you find is new," Mayewski has headed research expeditions since 1972 into parts of Antarctica, Greenland, the Himalayas, the Tibetan Plateau, the Andes and South Georgia Island by way of sailboat from the Falkland Islands, the article states. Mayewski shares his research and adventures through talks all over the world aimed at the nonscientific public. "The way people appreciate climate change is if you bring it to where they live," he said.

Food & Wine interviews Billings about Maine's lobster industry

21 Jul 2017

[Food & Wine](#) magazine spoke with Cathy Billings, associate director of communications and development at the University of Maine Lobster Institute, for the article, "Maine's lobster industry thriving, despite slow start." Conflicting news reports stated that the Maine lobster catch is either prospering or in decline, according to the article. Billings said one of the reasons the lobster catch seemed to be down was because the catch depends on when the lobsters start to molt, which happened late this year. "Overall the catch has been increasing. We have seen all-time highs over the past decade," Billings said. However, the lobster catch is declining in other areas, the article states. Billings said lobster numbers have severely dropped south of Cape Cod. "People point to an increase in water temperature in those areas, and they don't have the same tidal flushing action as the Gulf of Maine, so they could be experiencing more contaminants and other run off," she cited as possible reasons for the decline.

BDN publishes feature on forensic anthropologist Sorg

21 Jul 2017

Marcella Sorg, a forensic anthropologist at the University of Maine, was the focus of the [Bangor Daily News](#) feature, "This Maine scientist gets the call when bones are found in the woods." When hunters or recreationists find what they think are human remains in the Maine woods, Sorg is the person law enforcement officers usually contact to make an identification, according to the article. Sorg said she is "virtually never" stumped. "It isn't so much that I can identify all of the animals. It's that I know what human looks like and what it doesn't look like," she said. Sorg also is a research professor with the Margaret Chase Smith Policy Center and Climate Change Institute at UMaine, and directs the Chase Center's Rural Drug and Alcohol Research Program, which monitors epidemiological indicators of substance abuse, particularly drug-related deaths, according to the center's website. Sorg is the only forensic anthropologist with post-graduate qualifications in northern New England and typically works in Maine, New Hampshire and Rhode Island, and occasionally in Vermont and other states, the BDN reported. "I provide information about the identity of the remains — who it is — and if it's unknown, what does it look like? Age, sex, ancestry, stature — that sort of thing," she said. "And medical history. If I see evidence of a previous broken bone here, or that sort of thing."

Maine Sea Grant collaborating on fish passage projects in Bagaduce River watershed

24 Jul 2017

Maine Sea Grant is working with the town of Penobscot, Maine Coast Heritage Trust, The Nature Conservancy, NOAA, and others on several fish passage projects in the watershed of the Bagaduce River, a tributary of Penobscot Bay. Construction of new fishways at Pierce and Wight ponds, scheduled to begin this summer, will improve fish passage, boosting historically important alewife runs and providing benefits to the local community. Current water levels in both ponds will be maintained for wildlife, residents and recreational users, as well as minimizing ongoing maintenance costs for the town. Sea Grant is working with the town to develop informational content for public viewing areas that will be constructed at the restoration sites. Sea Grant also has provided funding to support monitoring of the alewife migration. Additional funding has been received from private donors, Maine Department of Environmental Protection, and Maine Outdoor Heritage Fund. Maine Sea Grant's involvement is part of its participation in NOAA's Habitat Focus Area for the Penobscot River.

Kennebec Journal quotes horticulture major in article on Open Farm Day

24 Jul 2017

The [Kennebec Journal](#) spoke with a University of Maine student during the 28th annual Open Farm Day organized by the Maine Department of Agriculture, Conservation and Forestry. Butting Heads Farm in Gardiner was one of dozens of farms across central Maine that welcomed visitors on Sunday, according to the article. Chason Frost, a horticulture major, said he was home for the summer to help out on the homestead farm of Jackie and Rod Frost. "I usually work with the ornamentals and bonsai stuff," he said, pointing to a flower garden blooming near the house.

BDN publishes UMaine Today tick research article, video

24 Jul 2017

The [Bangor Daily News](#) published a [UMaine Today](#) feature story and video on tick research being conducted at the University of Maine. As the number of ticks and the illnesses they spread rise around the state, UMaine scientists in multiple disciplines are conducting research in an effort to protect residents, animals and the environment. UMaine's new Plant, Animal and Insect Laboratory, slated to open by early 2018, will offer tick identification, as well as safe screening of tick-borne diseases. "There's a lot of fear and disinformation related to ticks out there, so it's incredibly important to have a facility like this where we can conduct research, but also (operate) as a hub for disseminating information directly to the public," said Griffin Dill, an integrated pest management specialist with the University of Maine Cooperative Extension.

NBC4 Los Angeles reports on Barron's successful surgery

24 Jul 2017

[NBC4 Los Angeles](#) reported on Richard Barron's recent successful surgery. Barron, head coach of the University of Maine women's basketball team, began an extended medical leave in January when he was diagnosed with two parallel neurological conditions. Barron recently underwent a "revolutionary" craniotomy at Ronald Reagan UCLA Medical Center in Los Angeles. Unlike similar surgeries, Barron's doctors used a pioneering new technique, which will leave less scarring, according to the report. His doctors expect a full recovery that could put Barron back on the court in a few months, NBC4 Los Angeles reported. The [Bangor Daily News](#) and [WCSH](#) (Channel 6 in Portland) also reported on the surgery.

CBC News mentions UMaine taste test in article on invasive green crabs

24 Jul 2017

A taste test conducted at the University of Maine was mentioned in a [CBC News](#) report about how food scientists are exploring ways to turn the European green crab into a lucrative commercial industry. The invasive species can quickly devastate marine plants that provide food and habitat to other creatures, and also devour sea critters such as oysters, clams and mussels, according to the article. Joseph Galetti helped create an empanada — a Latin American fried, stuffed pastry — with green crab meat while he was a graduate student at UMaine, the article states. "It was sweet and salty and delicious," said Galetti, who now works for High Liner Foods in New Hampshire. Galetti and UMaine food scientists Beth Calder and Denise Skonberg allowed 87 consumers to test the product. "The consumers thought it tasted pretty good," Galetti said, citing the fact that 63 percent said they would "probably" or "definitely" buy the empanadas if they were available. "I think there's a great opportunity to somehow process these crabs and deliver high-quality food products to consumers," he said. "It's just a matter of someone needs to take the next step. Be collaborative, be creative and make it happen." UMaine also was mentioned in a [Portland Press Herald](#) article on the crabs as part of the "Green Plate Special" column.

Algae genome sequencing study cited in Daily Reflector article

24 Jul 2017

[The Daily Reflector](#) of Greenville, North Carolina mentioned a University of Maine-led research project in a feature article on an East Carolina University biologist. John Stiller, an associate professor of plant genomics, served as a primary researcher on a 50-member team led by UMaine, the Carnegie Institution for Science and ECU that sequenced and analyzed the genome of *Porphyra umbilicalis*, according to the article. The red alga lives in the rocky intertidal zone and is thought to represent one of the oldest forms of marine life — and a major international food source, the article states. "Porphyra is one of the few algae, or organisms of any kind for that matter, that can thrive in these kinds of conditions," Stiller said. "Moreover, it has managed to persist in this environment through every mass extinction in the earth's history." Susan Brawley, a professor of marine sciences at UMaine, was lead author of the group's report, "Insights into the red algae and eukaryotic evolution from the genome of *Porphyra umbilicalis*," which was published in the Proceedings of the National Academy of Sciences.

UMaine researchers to travel to Clemson for total solar eclipse, OnlineAthens reports

24 Jul 2017

OnlineAthens, the daily online edition of the Athens Banner-Herald in Georgia, mentioned the University of Maine in an article about the August solar eclipse. The eclipse's zone of totality will be about 60 to 70 miles wide as the shadow crosses the continental U.S. from Oregon through South Carolina, according to the article. The full shadow takes a path across South Carolina, and Clemson University is expecting a crowd of 35,000 to 50,000 on its campus for the Continental-American Telescope Eclipse experiment, the article states. Scientists from UMaine and Montana State will be in Clemson to launch a balloon up 100,000 feet with a live video stream showing Earth and the eclipse at the time, according to Jim Melvin, the public information director for the College of Science at Clemson University. UMaine also was mentioned in [Clemson University's](#) news release about its "Eclipse Over Clemson" viewing party.

Brianne Du Clos, bee-mapping tool featured in Press Herald

24 Jul 2017

The [Portland Press Herald](#) published a feature article on University of Maine doctoral candidate Brianne Du Clos as part of its "Meet" series. Du Clos led the development of BeeMapper, a new tool that allows farmers to predict how much help they will get from native bees in pollinating millions of low bush wild Maine blueberries. Du Clos' research was part of a five-year UMaine project that was funded by a U.S. Department of Agriculture specialty crop initiative grant to help the wild blueberry growers, with additional support from the Senator George J. Mitchell Center for Sustainability Solutions, according to the article. "I was always a plant person. I never wanted to study things that moved," Du Clos said. But the opportunity to work with the wild blueberry ecosystem was too tempting to resist, the article states. "It is such a cornerstone of Maine's economy, which relates to the bigger issue of food security. So many of our most nutritious foods are pollinated by bees, and keeping those crops vibrant is so important," she said.

Leslie to discuss marine resilience July 25 at Skidompha Library

24 Jul 2017

Heather Leslie will be the featured "Chats with Champions" speaker at 10 a.m. Tuesday, July 25 at Skidompha Library in Damariscotta. The director of the University of Maine Darling Marine Center will draw on her research in Maine and Mexico to discuss how the emerging science of marine resilience is changing how people understand and steward coastal and marine ecosystems. She also will preview elements of the strategic and master plans under development for the DMC in Walpole. A member of the UMaine faculty since August 2015, Leslie earned a bachelor's degree in biology at Harvard University, a doctorate in zoology at Oregon State University and conducted postdoctoral research at Princeton University. Before arriving at UMaine, she was on the faculty at Brown University as the inaugural Peggy and Henry D. Sharpe Assistant Professor. Originally from Plymouth, Massachusetts, Leslie lives by the Damariscotta River in Newcastle with her two children and husband, microbial ecologist Jeremy Rich. Sherman's Maine Coast Book Shop sponsors the chats. For more information, call 563.5513.

Jessima Ranney: Exploring spectacular coral wildernesses with SEA Semester

24 Jul 2017

University of Maine senior Jessima Ranney is sailing with SEA Semester on a scientific research voyage to the remote Phoenix Islands in the Pacific Ocean. Ranney is one of 24 undergraduates from U.S. colleges and universities conducting research to contribute to a growing data set of this largely understudied region. Little is known about the Phoenix Islands Protected Area (PIPA) — one of the last remaining coral wildernesses on Earth. An expanse of ocean about the size of California, it is the largest — and deepest — United Nations Educational, Scientific and Cultural Organization (UNESCO) World Heritage site, with eight spectacular ring-shaped coral reefs. [caption id="attachment_56394" align="aligncenter" width="600"]



Jessima Ranney[/caption] During an eight-week SEA Semester

summer program called [Protecting the Phoenix Islands](#), Ranney and other participants will collect samples from the marine environment to study the impact of El Niño, and to assess the effects of climate change, including coral bleaching. Collected data will be reported to the government of Kiribati to contribute to the knowledge about the marine ecosystem and environmental management goals. The program began June 12 at SEA Semester's campus in Woods Hole, Massachusetts, where students completed preparatory coursework and developed their own research projects in ocean science or conservation policy. They were joined by a fellow undergraduate from Kiribati who is the official scientific observer on behalf of the Kiribati government. July 7, the class began a five-week sailing voyage as active crew members and scientists aboard the sophisticated 134-foot brigantine [SSV Robert C. Seamans](#), owned and operated by Sea Education Association. Starting in Pago Pago, American Samoa, they began sailing approximately 800 nautical miles across open ocean for the round-trip voyage to the Phoenix Islands Protected Area. There, they'll conduct research for three weeks. The expedition ends Aug. 11 in American Samoa. "PIPA is one very few regions on Earth where scientists can study an intact ecosystem and its response to climate change," says Paul Joyce, SEA Dean. "At SEA, we're therefore extremely grateful to have the opportunity once again to work with the government of Kiribati and with our scientific partners to study this extremely isolated and important island nation, which can serve as a climate change benchmark on a global scale." Follow Ranney and SEA Semester on [Twitter](#), [Instagram](#), [Facebook](#) and the [SEA Currents blog](#). Contact: Doug Karlson, 508.540.1918, Beth Staples, 207.581.3777

InterChemNet brings crystallography instrumentation to general chemistry students

25 Jul 2017

The University of Maine InterChemNet (ICN) project has purchased crystallography instrumentation that will support opportunities for students in the second-semester general chemistry lab course, CHY 124. Starting in January 2018, the instrumentation will be used in multiweek project- and inquiry-based lab experiments. Crystallography, which uses a single crystal X-ray diffractometer, has been an essential tool in developing many scientific fields, revealing structures and functions of biochemical molecules, catalysts and medicinal drugs. It is the latest modern instrumentation introduced into UMaine's general chemistry lab in the last 20 years by the ICN project, created by Mitchell Bruce in collaboration with Robert Kirk and François Amar.

Second SEA Fellows Symposium slated for Aug. 16

25 Jul 2017

The second annual SEA Fellows Symposium will be held Wednesday, Aug. 16 at the University of Maine Darling Marine Center in Walpole. The 2 p.m. symposium will highlight research of students, researchers and industry and community partners from around the state. The event, which will conclude by 5 p.m., includes an optional tour of the DMC waterfront laboratories and business incubation facilities. Posters from Maine undergraduates about applied marine science topics are encouraged. To be considered as a presenter, poster abstracts must be [submitted](#) before July 28. The symposium is an opportunity to learn more about ongoing research related to aquaculture, wild caught fisheries, and Maine's marine economy. SEA (Science for Economic Impact and Application) Fellows is an undergraduate training program led by the University of Maine and University of Maine at Machias, with support from the DMC, Downeast Institute and Maine EPSCoR. The 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. Professors Heather Leslie of UMaine and Brian Beal of UMM are co-leaders. Information about and [interviews](#) with the 2016 SEA Fellows are online. For a disability accommodation, call 563.3146.

VillageSoup advances Revolutionary War talk by Riordan

25 Jul 2017

[VillageSoup](#) reported Liam Riordan, a history professor at the University of Maine, will present during the Aug. 2 meeting of the Union Historical Society. Riordan's talk, "Ambiguous Allegiances in Revolutionary Maine: The Importance of Local History," will focus on historic events that took place in Machias, Falmouth and Castine, according to the article.

Reisman quoted in Ellsworth American editorial on small Maine communities

25 Jul 2017

Jon Reisman, an associate professor of economics and public policy at the University of Maine at Machias, was quoted in an [Ellsworth American](#) editorial about the uncertain future of the Hancock County town of Osborn. Numerous rural towns throughout the state struggle with increasing tax burdens, mounting regulations and declining populations, all while trying to keep residents engaged in local government and emergency services, the editorial states. Reisman has written extensively about the “hollowing out” of Maine’s small communities, according to the editorial. “These towns like to think that they are maintaining a semblance of local control. But they really are reacting to influences out of their control,” Reisman said recently. “School budgets, especially special education, have overwhelmed their annual budgeting and tax income, consuming vast sums of money. Fewer young people are embracing rural living, their former farming and commercial bases are gone and their population is conservative, aging and less mobile. If the larger communities’ education needs dictate more subsidy monies, will smaller communities be able to survive on what’s left?”

Republican Journal previews last FLOW Fort Knox event

25 Jul 2017

[The Republican Journal](#) reported FLOW Fort Knox, an event series produced by the Coaction Lab in association with the intermedia MFA and new media undergraduate programs at the University of Maine and in collaboration with the Friends of Fort Knox, will culminate July 29 at the fort in Prospect. FLOW Fort Knox producer and UMaine faculty/artist Gene A. Felice II has designed a large-scale audio/video projection-based performance to begin at sunset and conclude by 10 p.m. The final event of the FLOW Fort Knox series uses multiple high-powered video projectors to transform the exterior of the fort facing the Penobscot River and town of Bucksport with moving imagery and sound, according to the article. The event series has been focused on water as a precious resource that connects and supports the diverse range of living systems on the planet, the article states. The event is sponsored in part by grants from the UMaine College of Liberal Arts and Sciences, the Cultural Affairs/Distinguished Lecture Series Fund and the UMaine Humanities Center. [WVII](#) (Channel 7) also previewed the event.

UMaine Extension raspberry growing tips cited in Press Herald column

25 Jul 2017

Raspberry planting advice from the University of Maine Cooperative Extension was included in the latest [Portland Press Herald](#) “Maine Gardener” column. In explaining “the right way to grow raspberries,” the author cited source pamphlets and YouTube videos created mostly by David Handley, a vegetable and small fruits specialist with the UMaine Extension at Highmoor Farm in Monmouth.

Lincoln County News publishes feature on DMC intern working with seafood company

25 Jul 2017

[The Lincoln County News](#) published a University of Maine Darling Marine Center feature article about Abby Shaughnessy, a senior studying marine biology at the University of Maine. Shaughnessy is spending the summer interning at the DMC in Walpole. For her Honors thesis, she partnered with Portland-based Ready Seafood to help make selling lobster overseas more profitable. “Maine is known worldwide for its lobster industry,” Shaughnessy said. “It is important to meet the increasing demand for exported live lobsters.” To determine price and how far they can be shipped, lobsters are graded based on their shell hardness, according to the article. Currently, Shaughnessy is working with Grade B lobsters, meaning their shell bends slightly when squeezed by its sides. Her goal is to improve their shell quality in the course of one week. “The DMC is an outstanding research facility,” Shaughnessy said. “The passion that people here have for marine science is inspiring.” [Boothbay Register](#) also published the article.

Mandela Fellows to visit Lewiston, Sun Journal reports

25 Jul 2017

The Sun Journal reported 25 leaders from 18 African countries will visit Lewiston on July 26 to learn about improving their knowledge in everything from engineering to community leadership. The visitors are recipients of the 2017 Mandela Washington Fellowships, a competitive honor awarded to help Africans learn about public management practices, according to the article. The visit, which is sponsored by the Margaret Chase Smith Policy Center at the University of Maine, will include time for the fellows to meet with African immigrants who have made the city their home, as well as a public reception at 5 p.m. in Lewiston Public Library’s Callahan Hall, the article states. Jonathan Rubin, director of the Margaret Chase Smith Policy Center, called the visit historic.

Learn about deep-sea hydrothermal vents at DMC

26 Jul 2017

University of Maine marine microbiologist Jeremy Rich will talk about fertile clusters of life flourishing on the dark deep-sea floor at 10:30 a.m. Friday, July 28 in Brooke Hall at the Darling Marine Center. Deep-sea hydrothermal vents — hot springs on the ocean floor — have fascinated scientists and the public since they were discovered in 1977. The biological communities — including large tubeworms and clams — around the vents are possible due to chemical activity — chemosynthesis — as opposed to photosynthesis on Earth’s surface. Fundamental properties of life at hydrothermal vents are not completely understood — which is a problem for placing hydrothermal vents into a broader context of how the global ocean functions. In April 2017, Rich and an international team of collaborators took part in an expedition in the equatorial Pacific Ocean. The team descended to the seafloor in the submersible *Alvin* to gain insights into the vent ecosystems. To measure rates of processes at the seafloor, they deployed a Vent-Submersible Incubation Device (Vent-SID). Rich’s talk will describe life at hydrothermal vents and his experiences deploying the Vent-SID. Based at the DMC, Rich is a faculty member in the School of Marine Sciences. His research addresses the role of microbes in the flow of elements and nutrients in ecosystems, with a particular focus on the nitrogen cycle. His talk is part of DMC’s summer science seminar series, during which renowned scientists in the field of marine biology engage the public in topics ranging from the studies of the Gulf of Maine to the exploration of the deep sea. The complete list of speakers is [posted](#). [Registration](#) is required for the free talk. For a disability accommodation, call 563.3146.

UMaine Mandela Fellows travel to Washington D.C. for Fellowship Summit

26 Jul 2017

On July 29, the 25 University of Maine Mandela Washington Fellows will complete their program at the UMaine Public Management Institute and travel to the Mandela Washington Fellowship Summit in Washington D.C., where they will join the other 975 fellows from host institutes across the nation. The three-day event marks the culmination of the 2017 Mandela Washington Fellowship program. During the summit, the fellows will participate in networking events; panel discussions with leaders from the private, public and nonprofit centers; as well as a fellowship talent show. One fellow from each university will present an Ignite talk — a short presentation meant to inspire — to the entire group of 2017 fellows. Ousmane Souare of Guinea will represent the UMaine cohort and speak about restoring faith in the Guinean public health system following the nation's Ebola crisis. Following the summit, many of the UMaine fellows will leave the United States and return to their respective home countries. However, four of the UMaine fellows will remain in the U.S. for an additional six weeks to complete various professional development experiences. Fellows Nangolo Ashipala from Namibia and Kossiwa Tsipoaka from Togo will be heading to Cincinnati for an internship with the Metropolitan Sewer District of Greater Cincinnati. Fellow Abdelaziz Elmi from Djibouti will stay in D.C. to work with the geospatial data nonprofit Radiant.Earth where he will develop a data imagery platform to track droughts in the Horn of Africa. Lastly, fellow Aissata Abdou Gado from Niger will travel to Pennsylvania to work with USAID on a project regarding women and the agricultural sector.

UMaine marching band to open American Folk Festival, BDN reports

26 Jul 2017

The [Bangor Daily News](#) reported on the American Folk Festival on the Bangor Waterfront's announcement of the final six performers set for this year's event, slated for Aug. 25–27. The University of Maine's Pride of Maine Black Bear Marching Band, composed of more than 100 musicians, is set to kick off the festival the evening of Friday, Aug. 25 with a parade through the grounds, according to the article.

Maine Sea Grant to get the remainder of its FY17 funds, AP reports

26 Jul 2017

The Associated Press reported the Maine Sea Grant program at the University of Maine will receive more than \$500,000 — the remainder of its FY17 funds — to support research and education. Maine's U.S. senators said the grants are coming from the National Oceanic and Atmospheric Administration and also will help with outreach efforts on behalf of coastal communities in Maine. Sens. Susan Collins and Angus King said Sea Grant funding is essential to helping fishermen, lobstermen and marine industries in the state, the AP reported. [U.S. News & World Report](#), [San Francisco Chronicle](#) and [Seacoast Online](#) carried the AP report.

Media cover UMaine, DOT collaboration to assess bridges

26 Jul 2017

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported on a collaboration between researchers and students from the University of Maine Advanced Structures and Composites Center and the Maine Department of Transportation to assess the health of bridges around the state. This summer, five bridges are being evaluated to determine their capacity and lifespan. Graduate students were working with DOT crews July 25 in Franklin testing the Card Mill Stream bridge, media reported. "We are really just trying to measure how it behaves under heavy truck loads, and the data we get combined with engineering calculations that we do later can tell us what the real capacity of the bridge is," Bill Davids, a UMaine professor of civil and environmental engineering, told WVII. "This data can be generalized to other bridges of the same type and help the DOT prioritize what needs to be worked on and what doesn't." UMaine has been studying and testing about five bridges a year since 2012, WABI reported.

Preserving Maine's ancient coastal heritage

26 Jul 2017

Maine's coastline is dotted with more than 2,000 archaeologically documented shell middens and virtually all of them are eroding into the ocean, some quite rapidly, which is putting valuable records of Maine's cultural and environmental history at risk, says Alice Kelley, a geoarchaeologist at the University of Maine. It is a trend that is likely to continue — even accelerate — in the face of increased storm intensity and sea-level rise due to global climate change. Kelley, an associate research professor in the Climate Change Institute, cooperating professor in the Department of Anthropology and instructor in the School of Earth and Climate Sciences, is working with a team of archaeologists and geologists from UMaine and the Maine Historic Preservation Commission to survey these fragile archaeological sites using ground-penetrating radar (GPR) technology. The Maine Sea Grant-funded project is the first concerted use of the method to rapidly assess the state's at-risk shell middens, many of which have not been visited by archaeologists since the 1970s or '80s. The goal is to better understand the current state of many of Maine's shell midden sites — to document what is there and has the potential to be lost, and the rates at which erosion is happening. The information will help land and cultural resource managers triage the most at-risk sites for preservation or conservation, or, at worst, emergency archeological excavation. Shell middens in Maine are ancient heaps of discarded clam or oyster shells, but they also contain many other cultural artifacts associated with daily life, such as pottery, stone tools and even bones or other organic materials, says Kelley. "For a long time it was thought that these sites were merely garbage dumps and not worth anything," Kelley says, "but we're finding that's not the case." Shell middens offer a snapshot of what life was like along the coast of Maine thousands of years ago. While the sites are often rife with cultural objects that paint a picture of the lifeways of coastal residents in the landscape that became Maine, they are unique in their abundance of environmental and ecological information. "The faunal remains; the fish bones, the bird bones, the mammal bones, the fish ear bones, all of those sorts of things tell us what was in the Gulf of Maine at that time," says Kelley, particularly during a time long before the pressures of industrialized fishing. The calcium carbonate from the layers of densely packed shells effectively buffers against Maine's acidic soil and creates ideal conditions for organic preservation. As a result, the bones of animals can be found, whereas at other sites they are quickly lost to decay. The team members are using GPR to survey each of the sites they visit. The technology allows the researchers to identify underground features without having to dig them up. Traditional archeological excavation is expensive in cost, time and labor. As a result, very few shell midden sites are excavated each year — and often times, only a few square meters of each site can be investigated. With GPR, hundreds of square meters can

be surveyed by the team in as little as a day. GPR uses short electromagnetic pulses transmitted from a radio-frequency antenna into the ground. The signals are reflected by different types of soil, rocks and other materials to a receiver that records the signal. Changes in the underground layers result in different electrical properties of the returned signal and the time it takes for the signal to return is used to determine a feature's depth. As the antenna and receiver trace along the surface, a profile of the underlying stratigraphy is generated. To date, the team has used GPR to survey more than five sites along Maine's coast — from the southern reaches to far Down East. "We can use the GPR to essentially survey what we think is the entire site," says Jacque Miller, a graduate research assistant in the UMaine School of Earth and Climate Sciences, noting that some of the sites they have surveyed have been much more expansive than previously thought. However, some of the sites have already been lost to the sea. "Some (sites) are lost. We've gone back to them and they're simply not there," says Joseph Kelley, professor of marine geology and co-investigator on the project. "In 20 years, they've disappeared." Joseph Kelley is a marine geologist and a specialist in coastal erosion remote sensing technology. He has collaborated with Alice Kelley on similar interdisciplinary research worldwide, including in northern Peru and the Shetland Islands. However, it's not just the rising tide that endangers these unique sites. Historically, Maine's ancient shell deposits have been mined for fertilizer and chicken feed, used for local road fill or bulldozed for coastal development. They are also a common target for possibly well-intentioned, but highly destructive, artifact collectors. "These sites are disappearing and I have a sense that, if we can get this message out, if we can get people interested, it could really make a difference in how we look at cultural resources," says Alice Kelley. "Not just as something that you'd look at and walk by, but that there is something really important here. To have people appreciate what they are and perhaps take some interest in monitoring or preserving them." The researchers hope to build a network of citizen scientists who understand the importance of the sites and the ethics involved with protecting them — a group that could monitor the sites and report increased erosion or disturbances. "When people become involved with things they tend to protect them, and that would be a great outcome," says Alice Kelley. Contact: Walter Beckwith, 207.581.3729

Orono Bog Boardwalk nature walk to focus on forest insects

27 Jul 2017

Allison Kanoti, a forest entomologist with the Maine Forest Service, will lead a nature walk from 10 to 11:30 a.m. Saturday, July 29 at the Orono Bog Boardwalk located in the Rolland F. Perry (Bangor) City Forest. Kanoti will speak about the roles of forest insects and the flora they depend on. Since August is "Tree Check Month," Kanoti will likely discuss some of Maine's invasive insects. For more information or to register for the walk, send an email with "Forest insects" in the subject line to jim.bird@umit.maine.edu. When registering, include a telephone number.

Machias Valley News Observer advances La Farge watercolor exhibit

27 Jul 2017

Machias Valley News Observer reported an exhibition of watercolor paintings by Machias-based artist Margaret La Farge will be on display Aug. 16 through Sept. 29 at the University of Maine at Machias. An opening reception for the exhibition, "Interior Spaces — The Meaning of Home," will be held 5–7 p.m. Aug. 16 in the Powers Hall Art Gallery. The reception is free and open to the public.

Rooks-Ellis quoted in BDN article on landmark autism research project

27 Jul 2017

Deborah Rooks-Ellis, director of the Maine Autism Institute for Education and Research (MAIER) at the University of Maine, spoke with the [Bangor Daily News](#) for an article about the largest research project to be conducted on autism. The Simons Foundation Powering Autism Research for Knowledge (SPARK) study aims to enroll 50,000 people with autism and their families across the country to learn more about the disorder, according to the article. Small sample sizes are often problematic with autism genetics research, said Rooks-Ellis. Although MAIER is not directly involved with the study, it has shared it with families and educators, according to Rooks-Ellis. "There are so many unanswered questions about autism and the diagnosis of autism and how autism even becomes autism," she said. "So being able to collect this data from so many families and so many people that are affected by autism is just a brilliant idea."

Free Press interviews Steneck, Bayer about changes to Maine's lobster industry

27 Jul 2017

[The Free Press](#) spoke with University of Maine researchers Bob Steneck and Bob Bayer for an article about Maine's lobster industry and how it has changed over the years. Steneck, a professor of marine sciences who specializes in lobster and urchin research, said that although temperature may play a role in many of the changes, it may be subtle. "The Gulf of Maine is a highly dynamic ecosystem," said Steneck, noting many of the changes we see today have historical roots in the overfishing of cod, which goes back centuries. Bayer, executive director of the Lobster Institute, said warmer water temperatures may not necessarily be bad news. "Look at Prince Edward Island," Bayer said, adding it has naturally warm water. "They have small lobsters with eggs. It's a sustainable fishery." Big lobsters are big breeders, according to Steneck. A five- to six-pound female lobster can produce as many eggs as 20 one-and-a-half-pound lobsters, he said. "There is a huge breeding population now," said Bayer, adding the limits on breeding mean there is safety built in to create a sustainable fishery. Those practices have helped create a sustainable fishery, according to Steneck, who, along with Bayer, sees no indication that lobsters themselves are in decline. Lobsters, both men said, are resilient, versatile, and mobile.

Boston Globe publishes op-ed on cable news by Socolow

27 Jul 2017

[The Boston Globe](#) published the opinion piece "Liberals, cut your cable cords," by Michael Socolow, an associate professor of communication and journalism at the University of Maine.

BDN reports on UMaine project that teaches older adults to read, play music

27 Jul 2017

The [Bangor Daily News](#) reported on an innovative cognitive research project that teaches older adults to read and play music. The Maine Understanding Sensory Integration and Cognition (MUSIC) Project led by University of Maine psychology professor Rebecca MacAulay and music education professor Philip Edelman, recently wrapped up pilot programs with two groups of older adults in Brewer. Participants in the project, many of whom had never had music lessons, spent 12 weeks learning to read and play music on the recorder. One goal of the study is to understand more about the effects of learning music on the cognitive health of older adults, according to the article. As MacAulay and Edelman prepare to recruit a larger group of participants to start lessons this fall, they also will establish a control group of adults who will listen to and study music without learning to read or play an instrument, the article states. “We expect to see benefits in concentration and working memory function,” MacAulay said of the hands-on group. UMaine students from both departments also will participate in teaching music and administering the cognitive assessments, the BDN reported.

UMaine Hutchinson Center to offer restorative practices summer institute

28 Jul 2017

The University of Maine Hutchinson Center will offer a weeklong institute on restorative practices July 31–Aug. 4, facilitated by members of the Restorative Practices Collaborative of Maine. The institute will introduce participants to the restorative approach and practices that have proven effective and sustainable. Content will focus on the rationale for this approach and continuum of restorative practices for community building and responding to misbehavior, the community circle process and restorative language. The format will include presentations, circles, discussion and videos of restorative practices in action. Institute sessions include:

- “Introduction to Restorative Practices”
- “Using Circles — Tier 1”
- “Using Circles — Tier 2”
- “Restorative Discipline in Schools for Administrators”
- “Whole School Implementation of Restorative Practices”

All workshops are held 8:30 a.m.–3:30 p.m. Payment of \$175 per day is required at the time of registration and includes continental breakfast, lunch, materials and certificate of contact hours. CEUs are available. Registration is [online](#). For more information or to request an accommodation, email Diana McSorley at diana.mcsorley@maine.edu.

Upward Bound Math Science students to present research at STEM symposium

28 Jul 2017

Students in the University of Maine’s Upward Bound Math Science (UBMS) program will present their summer research/explorations at the annual UBMS STEM Symposium 5–9 p.m. Monday, July 31. The event will be held in the atrium of the D.P. Corbett Business Building and will follow the style of a professional poster conference. Students will present to three judges over the course of the evening. Research mentors, family, friends and the public are welcome to attend. While students are presenting, guests are free to mingle and view posters. Light refreshments will be provided. UBMS is part of the College of Education and Human Development.

WABI reports on economic growth efforts among UMaine Athletics, local businesses

28 Jul 2017

[WABI](#) (Channel 5) covered a recent meeting of University of Maine Athletics officials and business owners from Old Town and Orono. The group is working on a plan that will give local businesses increased exposure and foot traffic by marketing themselves on campus, WABI reported. It gives business owners the chance to interact with students and faculty, in turn, gaining more visibility, the report states.

Ph.D. candidate presents thesis to China Lake Association, Town Line reports

28 Jul 2017

[The Town Line](#) reported Betsy Barber, a Ph.D. candidate at the University of Maine, was a keynote speaker at the China Lake Association’s annual meeting on July 22. The meeting marked the group’s 30th anniversary and attracted more than 75 people, according to the article. Barber, who is a graduate student in the Department of Wildlife, Fisheries, and Conservation Biology, presented her thesis on “Modeling the Nutrient Budget for Alewife in China Lake,” the article states.

Green crab research supported by Maine Sea Grant featured in Press Herald article

28 Jul 2017

The latest article in the [Portland Press Herald’s](#) “Green Plate Special” column featured efforts to develop a culinary use for the invasive European green crab. The research, led by Marissa McMahan of Northeastern University and supported by the Maine Sea Grant program at the University of Maine, is identifying the timing and process of the molt in order to take advantage of the “soft-shell” stage which is a food item in some parts of Europe. McMahan recently worked with chef Tim O’Brien of Enoteca Athena restaurant in Brunswick to test some green crab recipes. Dana Morse reported on the evening on the Sea Grant [website](#).

Yarborough comments on Down East’s archival seagull article

28 Jul 2017

David Yarborough, a wild blueberry specialist at the University of Maine Cooperative Extension, was quoted in a [Down East](#) magazine post that revisited an archival article. “Symbols of the Maine Coast — Herring Gulls,” appeared in the magazine’s August 1956 issue. “Herring gulls do a thorough job of keeping

Maine beaches free of dead or stranded fish, as well as general refuse,” the original article stated. “This service is not often recognized by coastal blueberry growers, who have tried unsuccessfully to ward off the hungry birds with scarecrows, whirling devices, mirrors, and noisemakers.” The 1956 article also mentioned an egg control program to prevent hatching, but stated “the only sure method is patrolling the fields during the harvest season.” In the new post, Yarbrough said hungry seagulls still confound blueberry growers today. “There is some use of a CO₂ noise cannon, but as you would expect, it is not very popular with the neighbors,” he said.

NBC4 Los Angeles cites hazing study

28 Jul 2017

[NBC4 Los Angeles](#) included research from a 2008 University of Maine [study](#) in a report about a woman’s vow to change college culture 12 years after her son died in a fraternity hazing ritual in Chico, California. “Hazing in View: College Students at Risk,” conducted by researchers Elizabeth Allan and Mary Madden, found that 55 percent of college students involved in groups and organizations have experienced or witnessed hazing. NBC4 reported the findings are a more conservative estimate compared to other studies that found the number is as high as 65 or 70 percent.

Advice from Yerxa included in BDN article on how to eat well on a budget

28 Jul 2017

Kate Yerxa, a statewide nutrition and physical activity educator with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for an article about how to eat well while on a budget. Yerxa said buying in bulk is a good way to cut food costs, though it’s important to keep items properly stored. When looking to cut costs, the freezer can be your best friend, whether it’s packaging and freezing big batches of meals or preserving in-season produce for later use, the article states. “Freezing is a great way for you to eat well in the middle of winter,” Yerxa said.

Smith’s project will connect college, high school instructors to improve success of STEM students

28 Jul 2017

The University of Maine seeks to improve first-year students’ transition from high school STEM classes to college courses in the same subjects. Michelle Smith, an associate professor in the School of Biology and Ecology, will spearhead the project for which the university was awarded nearly \$155,000 by the National Science Foundation. There’s a lot of work to be done; national data indicate fewer than half of first-year undergraduates who start in science, technology, engineering and mathematics fields have graduated with a degree in one those areas six years later. Most of the attrition occurs between the first and second year of college. In addition, undergraduates from backgrounds underrepresented in STEM fields — including first-generation college students — leave STEM majors at higher rates than their classmates, according to data. Students often say teaching methods used in introductory STEM college courses — which differ significantly from those in high school science classes — are a major reason why they leave those majors. “In preparation for the grant, we observed both college and high school classrooms and found that college students listen to lecture more and have fewer opportunities to work with their peers compared to high school students,” says Smith. “Through this grant we will connect college and high school instructors together to bridge the gap between the different classroom environments and design materials to help students with the instructional transition. “Helping students with the transition from high school to college is important and we hope that outcomes of our work reach all students, including those who are the first in their families to attend college.” Smith is a fitting choice to tackle the issue. In 2015, she was awarded the C. Ann Merrifield Professorship in Life Science Education for teaching ability and outstanding research in science education. Her heralded research has focused on how to help students learn biology and how to help teachers adopt promising educational practices. UMaine Provost Jeffrey Hecker and MacKenzie Stetzer, an assistant professor of physics, will work with Smith. The university is collaborating with the University of Nebraska-Lincoln on the two-year project. Both schools will develop Faculty Learning Communities (FLCs). “FLCs provide a long-term professional development support network that faculty can use to discuss ideas and work together on making changes in the classroom,” says Smith. “This form of professional development is powerful for promoting instructional transformations.” Contact: Beth Staples, 207.581.3777

Learn about consequences, causes of coastal flooding at DMC

28 Jul 2017



Jon Woodruff will give a talk titled “Coastal Flooding: Geological Insight on Causes, Consequences, and Solutions” at 10:30 a.m. Friday, Aug. 4 at the Darling Marine Center in Walpole. Woodruff, a sedimentologist and University of Massachusetts professor, studies mechanisms of sediment transport during extreme flooding, as well as how these high-magnitude, low-frequency events are recorded within the geologic record. This summer, he’s visiting the DMC to examine sediment transport in estuarine environments with colleagues at UMaine. Extreme flooding is a costly natural disaster in the United States and around the world, both in terms of lives lost and economic damage. Woodruff will give examples of how studying

sediment improves flood hazard risk assessments. He'll discuss Hurricane Sandy and evidence of past mega-tsunamis in Japan and discuss the abundance of coastal lagoons along Maine's coast and their potential for protecting the shoreline. The talk in Brooke Hall is free but [registration is required](#). For a disability accommodation, call 207.563.3146. Contact: Aliya Uteuova, aliya.uteuova@maine.edu

Student divers earn awards

31 Jul 2017

A University of Maine 2016 graduate and current graduate student have earned awards, according to Christopher Rigaud, university diving operations manager and Diving Safety Officer. University of Maine 2016 graduate Chase Brunton received the Dr. Arthur J. Bachrach Bonnier Dive Group publishing internship, sponsored by the Our World Underwater Scholarship Society. Brunton will produce content and participate in the publishing cycle of Sport Diver and Scuba Diving magazines and their respective websites, SportDiver.com and ScubaDiving.com. In 2013, Brunton was certified as an Open Water Diver at UMaine; he continued diving recreationally while completing his degree in English. He plans to be a science communicator, focusing on marine issues to increase awareness and foster interest in the ocean among people from all walks of life. Also, the American Academy of Underwater Sciences awarded UMaine graduate student [Elisabeth Maxwell](#) the 2017 Kevin Flanagan Student Travel Award, which she can use to attend the 2017 AAUS Diving for Science Symposium hosted by Thunder Bay National Marine Sanctuary in Alpena, Michigan. Maxwell, who earned her Scientific Diving Certification from UMaine in 2016, assists the Scientific Diving Program as a Dive Leader/Divemaster. She is earning a dual master's degree in marine biology and marine policy.

Backyard blueberries to be focus of public talk at Rogers Farm

31 Jul 2017

Growing blueberries will be the focus of a free public talk by David Handley, University of Maine Cooperative Extension vegetable and small fruit specialist, at 6 p.m. Tuesday, Aug. 1. The event, which is hosted by UMaine Cooperative Extension Master Gardener Volunteers (MGV), will be held at UMaine's Rogers Farm, 914 Bennoch Road, Old Town. Growing blueberries can be easy, rewarding and fun. Handley will review best practices to help home gardeners grow a successful crop of the much-loved fruit. Topics will include site selection, varieties, planting, early care, pest management and pruning. Also at Rogers Farm is the UMaine Extension Penobscot County MGV Demonstration Garden featuring 34 themes, including the newest on foodscaping. It is open daily to the public, with open houses 5:30–6:30 p.m. every Tuesday throughout the growing season. All programs occur rain or shine. Registration is not required. For more information or to request a disability accommodation, call 942.7396 or email laurie.bowen@maine.edu. More information is [online](#).

Construction on Munson Road begins Aug. 1

31 Jul 2017

Beginning Aug. 1, there will be construction along approximately 260 feet of Munson Road, starting from the College Avenue intersection. This section of Munson will be closed to all traffic until the project's expected completion Aug. 18.

Morning Ag Clips advances backyard blueberry talk at Rogers Farm

31 Jul 2017

[Morning Ag Clips](#) published a University of Maine Cooperative Extension news release announcing a free public talk on growing blueberries. David Handley, a UMaine Extension vegetable and small fruit specialist, will speak at 6 p.m. Tuesday, Aug. 1 at UMaine's Rogers Farm in Old Town. The event is hosted by UMaine Cooperative Extension Master Gardener Volunteers (MGV). Topics will include site selection, varieties, planting, early care, pest management and pruning. Also at Rogers Farm is the UMaine Extension Penobscot County MGV Demonstration Garden featuring 34 themes, including the newest on foodscaping. It is open daily to the public, with open houses 5:30–6:30 p.m. every Tuesday throughout the growing season.

College of Engineering working with Maine Appalachian Trail Club, Morning Sentinel reports

31 Jul 2017

The University of Maine College of Engineering was mentioned in a [Morning Sentinel](#) article about a group of volunteers demonstrating how to build a restroom, or privy, for the Appalachian Trail. The Maine Appalachian Trail Club, an all-volunteer organization that manages nearly 300 miles of the trail in Maine, held a live demonstration at Colby College on how to build a privy, which will later be transported to the Appalachian Trail. The demonstration was one part of the 41st Appalachian Trail Conservancy Conference which runs Aug. 4–11 at Colby, according to the article. The privy is part of an effort by MATC and the UMaine College of Engineering to replace 42 aging privies on Maine's section of the Appalachian Trail, some of which are decades old, the article states. [WVU](#) (Channel 7) also reported on the demonstration.

UMaine Extension blueberry information praised in Rutland Herald article

31 Jul 2017

The University of Maine Cooperative Extension was mentioned in a [Rutland Herald](#) article about wild blueberry picking in Vermont's Green Mountain National Forest. Mike Burbank, a biologist with the U.S. Forest Service, said other national forests also have wild blueberry fields ready for the public, but UMaine Extension has provided the best management information. Down East, Maine is famous for its commercial blueberry barrens, producing millions of tons of wild blueberries a year, the article states.

Morning Sentinel quotes Socolow in article on Sinclair Broadcasting's pro-Trump segments

31 Jul 2017

Michael Socolow, an associate professor of communication and journalism at the University of Maine, was quoted in the [Morning Sentinel](#) article, "Sinclair

Broadcasting — and 2 Maine TV stations — under fire for pro-Trump segments.” Maine’s WGME (Channel 13) and WPFO (Channel 23) each air a taped commentary from President Trump’s former special assistant Boris Epshteyn during the local news, according to the article. The stations carry the segments nine times a week on orders from their owner, the Maryland-based Sinclair Broadcasting Group, the nation’s largest owner of local television stations and an aggressive disseminator of conservative commentary supporting the Trump wing of the Republican Party, the article states. Socolow said the situation for Channel 13 is unfortunate because while Sinclair has a history of “intentionally confusing news and opinion,” WGME is one of the best newscasts in all of New England. “WGME is really not a typical Sinclair company in that it has great local newscasts; they win awards and they have top producers, and (anchor) Kim Block is a local legend,” Socolow said. “I view WGME’s news operation backed by veteran journalists as almost unique in the Sinclair universe.”

BDN reports on Lombard log hauler restored by UMaine students, faculty

31 Jul 2017

The [Bangor Daily News](#) published an article on the steam-powered log hauler that the Maine Forest and Logging Museum at Leonard’s Mills in Bradley acquired in 1984. Herbert Crosby, a retired University of Maine engineering professor, said getting the Lombard log hauler running again took decades of work and thousands of volunteer hours. Crosby, his colleagues and about 150 volunteers, including 80 UMaine students, worked on the machine until it was up and running in April 2014, according to the article. Most of the parts used to get it running were either made at UMaine’s Advanced Manufacturing Center or by hand using sand casts and molten metal, the article states. The machine originally came from near Ross Lake, north of Allagash Lake, according to the museum. “When we got it, it was not pretty,” Crosby said. “It had no wheels in the front, no cab and the boiler had to be replaced. It was a basket case and proved to be way worse than it looked.”

Mandela Fellows wrap up Maine visit, media report

31 Jul 2017

[Maine Public](#) and [WABI](#) (Channel 5) reported 25 young leaders from 18 countries throughout sub-Saharan Africa concluded the six-week Mandela Washington Fellowship program at the University of Maine. UMaine hosted the 2017 Mandela Washington fellows, who toured the state, met the governor and made business and personal connections, Maine Public reported. “The biggest population in Africa is of young people, which means the continent is growing, and with that level of growth in terms of access to energy, that is the biggest thing for young people and that is the biggest opportunity right there,” said Obakeng Sethamo, a 2017 Mandela Fellow, and founder and director of Climate Exploration Hub in Botswana. Carol Kim, associate vice chancellor for academic innovation and partnerships at UMaine, told Maine Public the demographics of Africa point to future growth. “I find this a fascinating fact: that 60 percent of the age range is less than 39, so 1 in 3 is between 10 and 24 years of age — really young, and super rich in natural resources,” she said. The fellows will now travel to the Mandela Washington Fellowship Summit in Washington D.C., where they will join the other 975 fellows from host institutes across the nation.

UMM documentary the focus of upcoming WMTW story, streaming

01 Aug 2017

WMTW Channel 8 in Portland is expected to air a story Aug. 3 during its 5 p.m. news segment about the making of the 2016 documentary “Whatever Works: Exploring Opiate Addiction.” The hourlong film was produced in a University of Maine at Machias video class led by Alan Kryszak. UMM students involved in the project included Marc Brine, Natalie Cline, Jose Gurrola, Brennon Chipman, Carolin Moreta, Maximiliaan Peeters, Ciara Schoppee and Lorenzo Segura. WMTW also is expected to stream the documentary that night on its Facebook page. The film can be seen on [YouTube](#).

WVII reports on proposed construction near UMaine entrance

01 Aug 2017

[WVII](#) (Channel 7) reported the state has proposed construction to ease traffic congestion near a University of Maine entrance. The Department of Transportation has drawn plans to place a rotary, instead of the current stop sign, at the Rangeley Road entrance to campus, WVII reported. The Orono Town Council said it hopes the work can be completed by August 2018.

UMaine composite arch bridges cited in Mainebiz article on construction award winner

01 Aug 2017

The University of Maine’s composite arch bridge technology was cited in a [Mainebiz](#) article about the winner of the Associated General Contractors of Maine’s Major Achievement in Construction Award. AGC Maine presented the award to Doug Hermann, president of the Richmond-based Wyman & Simpson Inc. Under Hermann’s leadership, the company has used built two bridges using Bridge-in-a-Backpack, a composite beam bridge system developed by UMaine’s Advanced Structures and Composites Center, the article states.

Mount Desert Islander previews performance by IMRC Center artist in residence

01 Aug 2017

[Mount Desert Islander](#) reported the Barn Arts Collective will present an original performance by Bangladeshi artist Ali Asgar on Saturday, Aug. 5 at The Barn in Bass Harbor. Asgar is a multidisciplinary visual and performance artist who is an IMRC Center artist in residence for the academic year at the University of Maine. From 2 to 6 p.m., Asgar will perform “No One Home,” a pop-up interactive performance that will be offered in 15-minute sessions for one audience member at a time as they try to identify their territory and body connectivity through a series of interactive and spontaneous responses, according to the article. “I want to ask questions about the belonging of our human body, how we make connection with other bodies, and, more importantly, how we define and redefine ourselves,” Asgar said. “‘No One Home’ is an invitation of meeting our own unknown.” Appointments can be made [online](#).

BDN features UMaine Extension 'Growing Maine' video on Bradford family farm

01 Aug 2017

The [Bangor Daily News](#) reported on the latest installment of the University of Maine Cooperative Extension's "Growing Maine," a series of short documentaries highlighting Maine food producers and farm families. The latest video in the series tells the story of Cedar Run Farm in Bradford, a natural grass-fed beef and pork operation. Leanne and Billy Waters started the farm when their children were young, and now Cierra and Colby are active in the farm operation. Their participation started in the UMaine Extension 4-H program and grew into a full-scale beef operation. The "Growing Maine" series aims to bring people closer to farmers and producers, to better understand the human dimension of agriculture, the BDN reported.

Yarborough speaks with WLBZ, WVII as Maine blueberry harvest starts

01 Aug 2017

David Yarborough, a wild blueberry specialist at the University of Maine Cooperative Extension, spoke with WLBZ (Channel 2) and [WVII](#) (Channel 7) at the start of the Maine blueberry harvest season. Yarborough told WLBZ the crop is looking good, but the supply is expected to drop from recent years. "The last three years we've had over 100 million pounds a year, so we're estimating perhaps a 25 percent reduction; maybe 75 million pounds this year," he said, citing a cold, wet spring and mummy berry disease as potential factors for the drop. Yarborough told WVII the price growers can expect to get for their blueberries is about 27 cents per pound, which is around the same as last season, but lower than farmers hope. "The money given to the grower probably is less than the cost of growing the berries," Yarborough said.

WABI reports on Gabe's latest Waterfront Concerts economic impact study

01 Aug 2017

[WABI](#) (Channel 5) reported people are traveling 100 miles or more to the Bangor area to attend shows and performances, according to a new study conducted by University of Maine economics professor Todd Gabe. Waterfront Concerts partnered with UMaine to track economic growth from the 2010 through 2016 concert seasons, WABI reported. More than \$105 million has been generated by the concerts, including \$25 million in 2016, the study found. According to the study, \$14.3 million was spent in 2016 on accommodations, food and beverage, and retail purchases, as well as creating more than 300 full- and part-time jobs.

BBC Future quotes McGill in article on animals thriving in the Anthropocene

01 Aug 2017

Brian McGill, a professor of ecological modeling at the University of Maine, spoke with [BBC Future](#) for an article about how some animals are thriving in the Anthropocene, an era defined by humanity's impact on the planet. McGill noted human impact on local ecologies can sometimes have unexpected effects. He pointed to a study published in 2014 that found common European bird species, such as house sparrows, were declining in numbers, which coincided with an increase in less abundant birds like grey herons, the article states. McGill also was a co-author of a 2014 study led by the University of St. Andrews that surveyed 100 environments around the world. The team found that, even though many individual species had died out, overall the sites were not becoming less biodiverse. Instead, in many places the changeover of species was increasing, the article states. "This doesn't prevent the fact that there are many individual sites with strong declines, just that they're balanced with strong gains," McGill said.

Finn McMahon-Allwine: Pursuing broadcast journalism at CBS News internship

02 Aug 2017

Finn McMahon-Allwine grew up in Blue Hill, Maine and knew he wanted to stay close to home for college. "My college counselor recommended UMaine because of its wide range of options," says McMahon-Allwine, who then fell in love with the campus during a spring tour his senior year of high school. Three years later, McMahon-Allwine is a rising senior at UMaine working toward a major in journalism with a minor in English. His passion for journalism, and broadcast journalism specifically, has led McMahon-Allwine to a summer internship with CBS News in Washington, D.C. **Why are you interested in broadcast journalism?** I'm interested in broadcasting/journalism because I believe that the news media has a responsibility to the general public to give them the information that will help them live their lives. It is also the media's responsibility to hold a government accountable and make sure the public is aware of the happenings within the government. **What is a normal day at your internship?** While there is no normal day in news business, an average day would look like this: I arrive at the bureau in the morning and go over the shooting schedule for that day; I help however I can at the bureau, whether that is answering phones for the news desk to contacting sources for potential stories; sometimes I'll sit in on editing sessions with producers or the control room; usually at some point during the day I'll be sent to a shoot to help the crew or field producer — shoots range from a stakeout, which is a potential shot of something or someone, to a news presser, at which a person or persons of importance will be making a speech or press release. **What has been the most surprising thing about interning at CBS News?** The most surprising thing about this internship is how much I'm able to attend important events that usually go on national news. I've been to vice president events, met the head of the Drug Enforcement Agency, covered the shooting of Rep. Steve Scalise and the Supreme Court decision on President Trump's travel ban, and I've been to the Senate. **What is your favorite thing about interning at CBS News?** My favorite thing about this internship has been that I never know what I'll be doing each day. Going into work knowing that I won't be sitting at a desk doing the same thing day in, day out really made this experience refreshing and worthwhile. **What has it been like living in Washington, D.C., during the current political environment?** Living in Washington, D.C., during these rocky and often contentious political times has been a challenge just in terms of staying informed on everything going on within our government. Whether you support our current administration or not, one can agree that it has given us no shortage of unprecedented and entertaining headlines. **What experiences and/or courses at UMaine have most prepared you for this internship?** Ever since my first semester freshman year I made it a point to take at least one English/writing intensive class. I would suggest this to anyone of any major, especially aspiring broadcasters or journalists. The more adept you can be with your writing skills will only help you in this field of work. **Why do you think it's important for students to get experience in professional settings, especially in journalism?** It very important that students interested in journalism get professional experience through some program like an internship because it allows them to see what the job is really like. No class can prepare you for the everyday challenges and responsibilities that this job entails at a professional level. **What are you looking forward to this fall at UMaine?** I'm looking

forward to continuing my classes and working toward my degree. I'm also looking forward to seeing all my brothers of Lambda Chi Alpha and playing club baseball. **What are your career/education plans after you graduate?** My hope is that my degree and this wonderful opportunity at CBS News will allow me to have a successful career in broadcast journalism. Contact: Alan Berry, 207.581.1955

Chamber Music Institute to present Francisco Fullana concert

02 Aug 2017

World-renowned violinist Francisco Fullana will perform Saturday, Aug. 5 in Minsky Recital Hall at the University of Maine. The concert begins at 7 p.m., with doors opening at 6:30 p.m. Admission is \$20 at the door. The event is hosted by the Chamber Music Institute, a summer music camp for students of all ages that has been on campus for eight years. Proceeds benefit the institute and the scholarships it offers. Fullana will grace the stage with an exclusive performance of "Zigeunerweisen" and Granados' "Violin Sonata" with guest pianist Maxim Pakhomov. Fullana also will lead the Chamber Music Institute Orchestra in a finale performance of Mozart's "Violin Concerto No. 5." A meet-and-greet with Fullana will follow the concert. The Chamber Music Institute, July 25–Aug. 6, is led by artistic directors Akiko Hirose Silver, a Connecticut-based violinist; and UMaine professor and violinist/violist Anatole Wieck. More information about the Chamber Music Institute is [online](#). Institute organizers collaborated with UMaine Conference Services to plan the event.

Ellsworth American advances diabetes education series

02 Aug 2017

[The Ellsworth American](#) reported the University of Maine Cooperative Extension's free, four-week "Dining with Diabetes Down East" series will be offered in Prospect Harbor in September. The program complements medical care by teaching people with Type 2 diabetes or pre-diabetes, along with their family members and caregivers, what they can do to help control blood sugar, blood pressure and cholesterol, according to the article. UMaine Extension registered dietitian and nutritionist Alan Majka will provide presentations, lead discussions and demonstrate preparation of nutritious recipes that participants can sample, the article states.

Machias Valley News Observer previews Barrett, Artesani concert

02 Aug 2017

[Machias Valley News Observer](#) reported the Machias Bay Chamber Concerts will present a classical music performance 7 p.m. Tuesday, Aug. 8 at the Centre Street Congregational Church in Machias. The concert will feature classical bass trombonist Dan Barrett and pianist Laura Artesani, both music faculty members at the University of Maine. The program will include compositions by Egberto Gismonti, Daniel Schnyder and additional works by contemporary composers, according to the article.

Master Gardener Volunteers mentioned in VillageSoup article on Union farm

02 Aug 2017

The University of Maine Cooperative Extension and its Master Gardener Volunteers (MGV) program were mentioned in a [VillageSoup](#) article about Andrea and Allan Smith's Brae Maple Farm in Union. The farm, which grows vegetables, fruits and herbs, has been opened to the MGV program since 1998, according to the article. Every Tuesday, the owners and a group of about 20 volunteers meet at the farm and tend gardens of organic produce. Having earned their certification through a 60-hour program run by UMaine Extension, the volunteers use their time at the farm to explore organic growing methods and local food security, the article states. "I felt like this is how food should be grown, and it was nice to be a part of a group that had standards and guidelines. I could always approach them with any questions and they were very helpful," said Andrea Smith, adding that her experience with UMaine Extension has been similarly beneficial. "The Brae Maple group is the largest volunteer group we have at a particular farm in any of the three counties; we have 22 volunteers here. What makes this spot so special are Andrea and Allan, and [Brae Maple] has been a great thing for the Cooperative Extension," said Liz Stanley, who coordinates the MGV training for Knox, Lincoln and Waldo counties.

Members of 4-H Club show livestock at Bangor State Fair, WABI reports

02 Aug 2017

[WABI](#) (Channel 5) reported members of the Penobscot County Livestock 4-H Club have spent the past year preparing for fair season. Club leader Corinna Caron said the children — ages 10 through 18 — get up at 4:45 a.m. to bathe the animals. "They take pride in having healthy animals and working with them and keeping them happy, because happy animals makes a happy kid," Caron said. The youth will show and auction off beef cows, dairy cows and lambs at the Bangor State Fair, WABI reported. In Maine, each county's 4-H program is supported by the University of Maine Cooperative Extension. [WABI](#) also reported the Heart of Maine Dairy Goat Association will host its 4-H sanctioned goat show at the fair on Saturday, Aug. 5. The [Bangor Daily News](#) published the article, "How Bangor State Fair's 4-H events teach kids applied research methods." The hands-on learning, or experiential learning, is how 4-H fulfills the model of "helping the people of Maine help themselves." After the children complete a project, they discuss how the solution they discovered can be applied to other areas of their life, the BDN reported. "Kids don't realize it, but that's what their doing. It's applied research," said Barbara Baker, an educator in 4-H youth development. "They are putting on that thinking cap, and it will help them later on in life to solve those problems."

BDN publishes grad student's op-ed on women leaders

02 Aug 2017

Allyson Eslin, who is pursuing a dual master's in economics and global policy at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled, "When women lead, everyone prospers." In her piece, Eslin cited Maine NEW Leadership, a weeklong, intensive leadership program offered in June at the University of Maine for 28 college students from every political background. Maine NEW Leadership is co-directed by Mary Cathcart, who served four terms as state senator and three terms in the Maine House of Representatives. Cathcart and Amy Blackstone, a UMaine professor of sociology, both contributed to the column.

Take a weed identification walk with UMaine Extension

03 Aug 2017

Got weeds? University of Maine Cooperative Extension is offering a weed identification walk 6–8 p.m. Aug. 10 at Stutzman’s Farm Stand and Bakery in Sangerville. UMaine Extension educator Donna Coffin will lead the walk and discuss weeds common to vegetable, fruit and other cultivated crops. References to help identify weeds and management strategies will be available. Participants with farm and/or garden weeds they would like identified are encouraged to bring digital photographs rather than specimens. Maine Board of Pesticide Control inspector Marilyn Tourtelotte also will give a brief presentation that will include an update on the Worker Protection Standard. Two pesticide recertification credit hours are available for agricultural basic and private applicators. Register online for the free, public event. For more information, or to request a disability accommodation, contact Coffin at 564.3301, 800.287.1491 (toll-free in Maine), or donna.coffin@maine.edu.

Media cite UMaine Extension food preservation tips, resources

03 Aug 2017

[Morning Ag Clips](#) and Sun Journal published recommendations and resources provided by the University of Maine Cooperative Extension to preserve fruits and vegetables that are ripe in August. UMaine Extension publishes information to help people find, grow, use, preserve and store in-season fruits and vegetables. One tip is to add one tablespoon of bottled lemon juice per pint of tomatoes when preserving whole, crushed or juiced tomatoes. More recommendations are available from county UMaine Extension offices and [online](#). Topical bulletins for August include, “[Let’s Preserve: Sweet Corn](#),” “[Let’s Preserve: Tomatoes](#),” “[Let’s Preserve: Berries](#)” and “[Vegetables and Fruits for Health: Wild Blueberries, Tomatoes and Sweet Corn](#).”

Sun Journal advances book talk by McCarty

03 Aug 2017

The Sun Journal reported Kate McCarty, food preservation community education assistant for the University of Maine Cooperative Extension, will read from and discusses her newest book, “Distilled In Maine: A History of Libations, Temperance & Craft Spirits,” at 6:30 p.m. Tuesday, Aug. 8 at Lithgow Library in Augusta. McCarty’s book details the evolution of Maine’s relationship with alcohol — from its earliest access to New England rum, through prohibition, and on to contemporary artisanal brewing across the state, according to the article.

Harlan-Haughey presents at medieval studies conference, Missoula Independent reports

03 Aug 2017

Sarah Harlan-Haughey, an assistant professor of English and honors at the University of Maine, was mentioned in a [Missoula Independent](#) article about the University of Montana’s first summer conference on medieval studies. During the conference, Harlan-Haughey led a presentation that compared Icelandic sagas to the stories passed down through her family of homesteaders in Montana, according to the article. Both in style and substance, she found, the thousand-year-old tales hit close to home, the article states. “We Montana medievalists may write about a world far removed in time and space from this one,” she said. “But why not seek out strands of relevance?”

AP cites Wahle, American Lobster Settlement Index in report on baby lobster decline

03 Aug 2017

The Associated Press mentioned University of Maine marine scientist Rick Wahle in a report about interstate fishing regulators saying the way the lobster fishery is managed needs to be fine-tuned because of a drop in the number of baby lobsters in New England waters. Wahle said the population of baby lobsters appears to be declining in parts of the American lobster fishery, which is based in the Gulf of Maine and Georges Bank regions and stretches from Canada to Massachusetts. The Atlantic States Marine Fisheries Commission said it’s beginning a push to protect lobsters by developing more consistent management measures for the fishery, according to the report. Wahle’s American Lobster Settlement Index shows monitoring sites from New Brunswick to Cape Cod have some of the lowest levels since the late 1990s or early 2000s, the report states. The Washington Post, San Francisco Chronicle, [U.S. News & World Report](#), Houston Chronicle and WTOP carried the AP report.

Pawling’s research on Wabanaki mobility featured in Working Waterfront

03 Aug 2017

Research conducted by Micah Pawling, an assistant professor of history and Native American studies at the University of Maine, is the focus of [The Working Waterfront](#) article, “For the Wabanaki, home has no walls.” “Wabanaki” refers to the Penobscot, Maliseet, Passamaquoddy, Mi’kmaq, and Abenaki tribes in northern New England, the Maritime provinces, and the southern shore of Quebec, according to the article. The 19th century, Pawling said, was difficult for the Wabanaki. Accustomed to moving at will between land and water to hunt, fish and gather, they were increasingly dispossessed by Euro-American treaties and deeds, the article states. “Home was not confined to a single place or bounded by walls or lines on a map, but was a feeling of contentment and belonging to a human network united across ancestral territory,” Pawling wrote in his case study, “Wabanaki Homeland and Mobility: Concepts of Home in Nineteenth-Century Maine,” published in the journal *Ethnohistory*. “Their movements contrasted with the European concept of a sedentary home limited by specific parameters.” Pawling said he’s interested in the 19th century history of the Wabanaki because it was a remarkable time for both change and continuity. “A lot of Wabanaki history explores Native experiences in the Colonial period,” he said. “Then there’s a void, and somehow we jump to modern times. It seems to me there is a lot of work to be done in between.”

Emera Astronomy Center to host free solar eclipse viewing, related programs

04 Aug 2017

The Emera Astronomy Center at the University of Maine will host a free solar eclipse viewing on Monday, Aug. 21. The event will take place from 1 to 4 p.m. at the Emera Astronomy Center's Clark Observatory located behind the planetarium on the UMaine campus. This is the first time since 1979 that a total solar eclipse path will cross the continental United States. The next opportunity in the U.S. will not take place until 2024. Maine is not in the path of totality, however a partial eclipse will be visible. From Orono, the eclipse will begin at 1:31 p.m. and finish at 3:55 p.m. Maximum eclipse will take place at 2:46 p.m. when 54.27 percent of the sun will be covered by the moon. The center will have a variety of telescopes with solar filters, as well as a limited supply of free eclipse glasses for community members to safely view the event. The viewing is weather dependent, as the eclipse will not be seen in cloudy skies. Ahead of the eclipse, the center will present two showings of "Totality: Explore the Wonders of Eclipses" at 10 and 11:30 a.m. Aug. 21. "Totality" also will be screened at 7 p.m. every Friday in August. Tickets for planetarium programs are \$6 for adults; \$5 for UMaine students, veterans and senior citizens; and \$4 for children under 12. Tickets can be purchased [online](#), by calling 581.1341, or at the center's box office before the show. Regular ticket prices apply for the Aug. 21 shows, and reservations are recommended. Also in preparation for the main event, Shawn Laatsch, director of the Emera Astronomy Center and Maynard F. Jordan Planetarium, will give a free lecture at 5:30 p.m. Wednesday, Aug. 16 at the Bangor Public Library. Laatsch will discuss how eclipses take place, the different types of eclipses that are visible from Earth, and how to safely view the upcoming eclipse from the Bangor region. Free solar eclipse viewing glasses will be available for attendees. More information about the center's solar eclipse events is [online](#).

Hutchinson Center announces fall leadership program, Republican Journal reports

04 Aug 2017

[The Republican Journal](#) reported the University of Maine Hutchinson Center in Belfast and Midcoast Leadership Academy will offer a certificate program designed for current and emerging citizen leaders in the midcoast. The nine-month community immersion program brings together emerging and established leaders from Knox and Waldo counties to sharpen and develop skills, broaden understanding of pertinent community issues, build networks, and form the relationships necessary to sustain a strong midcoast community leadership base, according to the article. More information, including applications for the 2017-2018 class (MLA8), is [online](#).

WVII previews Laatsch's solar eclipse talk at Bangor Public Library

04 Aug 2017

Hannah Young of the Bangor Public Library visited the studio of [WVII](#) (Channel 7) to advance a free public lecture by Shawn Laatsch, director of the Emera Astronomy Center and Maynard F. Jordan Planetarium at the University of Maine. In preparation for the Aug. 21 solar eclipse, Laatsch, who will speak at 5:30 p.m. Wednesday, Aug. 16, will discuss how eclipses take place, the different types of eclipses that are visible from Earth, and how to safely view the upcoming eclipse from the Bangor region. Free solar eclipse viewing glasses will be available for attendees.

WMTW reports on making of documentary by UMM students

04 Aug 2017

[WMTW](#) (Channel 8 in Portland) reported on the making of the 2016 documentary "Whatever Works: Exploring Opiate Addiction." The hourlong film was produced in a University of Maine at Machias video class led by Alan Kryszak. When Kryszak was searching for a topic for his documentary class, the state's heroin and opioid crisis stood out, according to the report. "I asked the class if anyone here was not affected by opiate addiction and everybody knew somebody," Kryszak said. Ciara Schoppee, a first-year student from Machias, had never made a film before taking the class. "At the end of the day, we want to show that there is hope, that there are resources out there that can help you," Schoppee said. "As a community, we need to stop saying, 'It's not our problem,' because it's everybody's problem." Other UMM students involved in the project included Marc Brine, Natalie Cline, Jose Gurrola, Brennon Chipman, Carolin Moreta, Maximilian Peeters and Lorenzo Segura. The film can be seen on [YouTube](#).

Vice President Dana speaks with Press Herald about UMaine's commitment to diversity, inclusion

04 Aug 2017

Robert Dana, the University of Maine's vice president for student life and dean of students, spoke with the [Portland Press Herald](#) for the article, "Maine colleges defend emphasis on diversity in response to report of Trump initiative." Maine college and university officials are defending their commitment to diversity in response to reports that the Trump administration plans to investigate, and possibly sue, educational institutions over admissions policies that federal officials view as discriminating against white applicants, the article states. Dana said UMaine is committed to making students from all ethnic, racial, religious and other backgrounds feel welcome despite any specific policies. That commitment to diversity has not reduced the number of programs available to white students, he said. "We know that people from diverse backgrounds help us think more broadly and expose us to different cultural standards that help us see the world different," Dana said. Despite not considering race in admissions, UMaine makes an effort to diversify its student body, the Press Herald reported, citing a statement on the UMaine website that affirms a commitment to diversity in the staff and student body and says one of its goals is to "increase the percentage of undergraduate and graduate students of color."

UMaine, EMCC agreement makes transferring to four-year degrees easier, media report

04 Aug 2017

[Mainebiz](#) and [WVII](#) (Channel 7) reported the University of Maine and Eastern Maine Community College signed a memorandum of understanding that allows EMCC students in designated programs to easily transfer credits toward a bachelor's degree at Maine's flagship campus. The memorandum is intended to streamline admission opportunities for academically qualified students and graduates of EMCC, facilitate student academic transfer and create a smooth transition for students transferring from EMCC to UMaine, according to Mainebiz. Program-specific articulation agreements signed included transfers involving the associate degree in liberal studies, electrical and automation technology and civil engineering technology to the appropriate bachelor degree programs at UMaine. "We have a strong tradition of successful transfer students from EMCC and this agreement supports both institutions' desires to formalize and expand many of the informal pathways that already exist," said Sharon Oliver, director of transfer admissions at UMaine. "Those of us who have been working on them believe they will be good for Maine students and hopefully increase prospective students' interest in both our institutions." Oliver

and Liz Russell, the dean of academic affairs at EMCC, also visited the [WVII](#) studio to speak about the agreement.

Eastern Maine Community College, UMaine sign articulation agreements

07 Aug 2017

Eastern Maine Community College and the University of Maine signed a Memorandum of Understanding Aug. 1, that confirms the commitment of both institutions to allow EMCC students in designated programs to easily transfer credits toward a UMaine bachelor's degree. The MOU supports the creation of program agreements to streamline admission opportunities for academically qualified students and graduates of EMCC, facilitate student academic transfer, and create a smooth transition for the EMCC transfer students. Program-specific articulation agreements also signed: A.A. in liberal studies to Bachelor of University Studies, leadership track; A.A.S. in electrical and automation technology to B.S. in electrical engineering technology; and A.A.S. in civil engineering technology to B.S. in construction engineering technology. UMaine has a history of EMCC students transferring to UMaine. From the fall 2014 through fall 2016, UMaine received over 300 transfer admission applications from students and alumni of EMCC. Those students included Logan Merrill of Norridgewock, who started in EMCC's Electrical and Automation Technology (EAT) Program in 2014 and will graduate next year with a bachelor's degree in electrical engineering technology from UMaine. He says EMCC gave him a strong foundation. At UMaine, he has pursued advanced topics in his field of study. This summer, he is interning as a primary application engineer at OMICRON Electronics Corp. USA in Waltham, Massachusetts, "learning different ways to apply my education to everyday problems, and gaining hands-on experience in the workforce." Merrill's supervisor at OMICRON is UMaine alumnus Charles Sweetser, a Lewiston native who received his bachelor's and master's degrees in '92 and '96, respectively. Sweetser, PRIM engineering services manager at OMICRON, now lives in Falmouth. Contact: Margaret Nagle, 207.581.3745

Alfond Fund Ambassadors program topic of BDN report

07 Aug 2017

Jack Cosgrove, senior associate director of athletics at the University of Maine, and Seth Woodcock, senior associate athletic director for development, were quoted in a [Bangor Daily News](#) article about the Alfond Fund Ambassadors program that helps teams meet demands of NCAA Division I athletic programs, strengthens the Black Bear brand and creates a strong community of volunteers supporting UMaine locally and nationally. "We are consolidating fundraising rather than having individual groups with individual rules," said Woodcock. "Our administration always does what we think is best for the athletic department at the University of Maine and, most importantly, the student-athletes." Cosgrove said, "We are going to be unified. It is going to make us a stronger, better team." Having all Friends under one umbrella will be easier to monitor from an NCAA compliance aspect and will help coaches because they won't have to be as involved in fundraising, according to the article.

VillageSoup advances Highland Blueberry Farm, annual Extension meeting

07 Aug 2017

[VillageSoup](#) previewed the Highland Blueberry Farm tour in conjunction with the Waldo County Extension Association's annual meeting 5:30-7:30 p.m. Thursday, Aug. 31 at 94 Old County Road, Stockton Springs. The public is invited to discover the farm's products and learn about the University of Maine Cooperative Extension in Waldo County. Theresa and Tom Gaffney have been stewards of Highland Blueberry Farm in Stockton Springs since 1988. The Extension Association also will conduct a brief annual meeting to approve the 2018 budget and elect officers and board members.

Media outlets report on Orach's exciting Beach to Beacon finish

07 Aug 2017

A number of media outlets, including the [Portland Press Herald](#), covered Jesse Orach and Rob Gomez's dramatic finish at the TD Bank Beach to Beacon 10K race Saturday. Orach, who had a stellar academic, track and cross-country career at the University of Maine and was highlighted in the inaugural Black Bear Nation athletics magazine, won the B2B Maine men's race in 2016, the first time he ever ran it. This year, Orach surged to a lead then twice collapsed near the finish line due to heat stroke. Instead of running past Orach to collect the \$1,000 prize as the top male finisher, Gomez lifted Orach to his feet and held him up the last 50 or so meters before pushing him across the finish line. "It wouldn't have felt right for me to go past him and win that," said Gomez. "It wasn't because I'm some sort of hero or some sort of special person, because I'm not. As runners, we understand, we pick each other up and help each other." Orach said, "I'm speechless with what he did. Him and I were kind of vying for that number one Mainer spot, and for him to give that up for me is pretty remarkable." He'll ask race officials to split the first- and second-place prize money evenly. Other outlets that covered the race included [WCSH6](#), [Fox 8](#) and the [Bangor Daily News](#).

BDN features Black Bear Food Guild

07 Aug 2017

The [Bangor Daily News](#) highlighted University of Maine students Ian MacLellan, Parker Anderson, Kameron Haines and Madison Lawler, who are operating this season's Black Bear Food Guild — an organic vegetable farm and community share agriculture (CSA) program at Rogers Farm. "I want to run my own farm one day, and this is a really great experience to see what works and what doesn't," MacLellan said. "The benefit is really a culmination of the experience and the chance to be involved in something awesome like this that offers organic food at pretty reasonable prices." The program is filling about 65 shares of varying sizes, with pickups twice a week, according to the article. Through the guild, customers can purchase a quarter-share for \$175, a half-share for \$325 and a share for \$500.

Gulf of Mexico seafood reps tour CCAR

07 Aug 2017

Gulf Seafood Institute representatives wanting to learn how to jump-start an aquaculture hub in the Gulf of Mexico toured several facilities in Maine, including the University of Maine Center for Cooperative Aquaculture Research in Franklin. According to [SeafoodSource](#), the 24 fishermen, scientists and

state officials explored successful aquaculture companies and met seafood farmers. Carrie Castille, agriculture and natural resources consultant to the Gulf Seafood Institute, said the tour provided valuable insight. Other facilities on the tour included: Cooke Aquaculture's Atlantic salmon hatchery and the company's offshore Atlantic salmon pens in East Machias; the USDA's National Cold Water Marine Aquaculture Center in Franklin; and the Hollander and de Koning mussel processing plant in Trenton.

Sun Journal interviews Rogers about internship with Migrant Education Program

07 Aug 2017

Casey Rogers, a rising senior at the University of Maine, shared her experience as a summer intern with the Maine Department of Education Migrant Education Program, with the [Sun Journal](#). The Farmington native who majors in social work has been traveling to meet migrant workers harvesting broccoli in Aroostook County. "It was still just so amazing to be where the workers are, to get them signed up for the education services and to see my awesome co-workers engage with the workers," she said. "It definitely made me all the more excited to spend about four weeks in the Machias area for blueberry season recruiting." At UMaine, Rogers is active with the Campus Activities Board and works at the counseling center.

Morse, Stoll part of PPH story about Georgetown Aquaculture founder Pat Burns

07 Aug 2017

Dana Morse, an aquaculture researcher with Maine Sea Grant, and Joshua Stoll, an assistant research professor of marine policy with the University of Maine School of Marine Sciences, were mentioned in a [Portland Press Herald](#) story about Georgetown resident Pat Burns. He co-founded Georgetown Aquaculture to help locals find alternatives to traditional fisheries. Morse has shared his expertise with Burns and Michael Bonney, who will provide five-year loans for people to set up five aquaculture farms. Each farmer will get 10 traps, and the initial seeding will be 240,000 baby oysters, according to the article. Burns said the plan next year is to add another farm and 600,000 more seed divided among the six farms. Stoll, who is an aquaculture farmer, will invite new farmers to piggyback on his website. Harvested oysters will be marketed under the name Robinhood Cove Oysters, according to the article.

Mainebiz reports on offshore wind industry legislation

07 Aug 2017

Habib Dagher, executive director of the University of Maine Advanced Structures and Composites Center, was included in a [Mainebiz](#) article about legislation introduced by Sens. Susan Collins and Tom Carper to create financial incentives to spur the country's emerging offshore wind industry. The Incentivizing Offshore Wind Power Act would create an investment tax credit redeemable for the first 3,000 megawatts of offshore wind facilities placed into service, amounting to approximately 600 wind turbines, according to the article. "Maine is a leader in the emerging offshore wind industry, which holds great potential for the future of clean energy and the creation of good jobs," Collins said in a media release. "By giving private sector companies the certainty they need, our legislation will help accelerate the development of this promising industry in America and create a new, sustainable source of domestic power." Offshore wind energy has the potential to power every home, school and business from Florida to Maine with clean, renewable energy, Carper said. "Making smart investments to move us closer to energy independence is a win-win-win for our economy, our security, our health and our planet."

Yarborough cited by media about plight of blueberry industry

07 Aug 2017

David Yarborough, a wild blueberry specialist with University of Maine Cooperative Extension, was quoted in a [Portland Press Herald](#) story about difficulties in the blueberry business. A glut of frozen blueberries has led to depressed prices and farmers are absorbing huge losses, according to the article. This summer, farmers may not pick berries because they'd spend more harvesting than they could make on the crop. Because of the glut, Yarborough said some Maine growers cut back on production and ordered fewer bees to pollinate the plants. "The hives are expensive," he said. "Having a large crop again is probably not good, at least not until we can get the demand back up." A positive sign for wild blueberries is in production of organic berries, he said. "Demand is good and sales are good." Maine Public, [WABI](#) (Channel 5) and the [Bangor Daily News](#) also covered the topic.

AMC touted in Assembly Magazine's article about L.L. Bean tote bags

07 Aug 2017

The University of Maine Advanced Manufacturing Center was included in an Assembly Magazine article about L.L. Bean's tote bag production. L.L. Bean officials interested in developing automation to increase bag production, improve product quality and lessen physical demands on employees met with representatives of the AMC and Lanco Integrated. Lanco designed and manufactured a machine to handle large and small tote bags. Then AMC staff and students utilized the facility's laser scanning and alignment equipment to test and modify the machine at the center's 30,000-square-foot campus lab. Ryan Lindsay, a mechanical engineering technology major, was one of 10 engineering students who worked on the project. Lanco employs several UMaine alumni. "[By] working on these projects and [learning] how their systems are built, the students are ready to go on day one at Lanco," said Belding in the article. "They have seen all the systems and know exactly what to do when they're putting those machines together."

UMaine scientists highlight value of local-scale knowledge of fish, fishermen

08 Aug 2017

From the top of a lighthouse or the stern of a boat, stretches of big, blue ocean may all look quite similar. A closer look, however, reveals that marine ecosystems and people's connections to them are quite varied. People on the Maine coast know this from their experiences; recreational clamming and beach access opportunities in the midcoast are different from those Down East. University of Maine scientists Kara Pellowe and Heather Leslie recently published a peer-reviewed paper in the scientific journal PLOS ONE that highlights the importance of geographic and seasonal variation in fisheries in another place known for its coastal fisheries — Mexico's Baja Peninsula. Pellowe, a Ph.D. student in the Ecology and Environmental Sciences Program, will present their findings Aug. 9 at a meeting of the Ecological Society of America in Portland, Oregon. As an invited speaker at the 102nd annual ESA meeting, Pellowe will

describe how she and Leslie, her graduate adviser, used Mexican government data to investigate seasonal and spatial variability of small-scale fisheries of the Mexican state of Baja California Sur. They used the information to explore how the resilience of ecosystems on which Baja coastal fishing communities depends varies in time and space. “Spatial and seasonal variation in [fisheries] may provide unique opportunities for fishers to adapt to the increasing variability predicted with climate change,” Pellowe and Leslie wrote. “Fishers may adapt to variability by migrating seasonally to areas with greater fishing opportunity, by diversifying their catch at certain times of the year, or by adopting additional livelihood strategies.” Fishermen in Baja, like those in New England, regularly use these strategies. “While we’d usually expect environmental variability to stress fishing communities, we see signs that environmental variability may enhance resilience,” says Leslie. “Seasonal variation creates a broader set of opportunities for fishermen and can facilitate adaptation to changing conditions. We need to understand seasonal and spatial variation in fisheries and people’s responses to them to design proactive and sustainable management, both in Maine and in other parts of the world.” Leslie is director of the UMaine Darling Marine Center and Libra Associate Professor in the School of Marine Sciences. Since 2005, with support from the National Science Foundation and private foundations, she has led an international, multi-institutional research program focused on the ecological and human dimensions of fisheries. During her invited talk, Leslie will place the results from her research in Mexico in a broader context. She’ll highlight how the approach they took — linking knowledge of human behavior and ecosystems — can be further leveraged to support sustainable fisheries and ecosystem-based management efforts in the U.S., Mexico and other places where people’s well-being is closely linked with coastal and marine ecosystems. The complete, free text of the paper, “[Seasonal variability shapes resilience of small-scale fisheries in Baja California Sur, Mexico](#)” can be read on PLOS ONE’s website. More information on Leslie’s research program is available on the [Leslie Lab webpage](#). Contact: Linda Healy, 207.563.8220

Watling cited in Live Science article on flesh-eating amphipods

08 Aug 2017

Les Watling, School of Marine Sciences professor emeritus, was quoted in a [Live Science](#) article concerning the rare attack on an Australian teenager by tiny, shrimp-like crustaceans known as sea fleas, or lysianssid amphipods. The teen sustained hundreds of tiny needle-like wounds which bled profusely. The article states that anticoagulants produced by the amphipods could account for the excess bleeding of the wounds. According to Watling, none of the Lysianssid family amphipods are known to produce an anticoagulant, however, no one has yet researched that particular adaptation in that particular group of crustaceans. “If an anticoagulant is present, it would be because the amphipods were preying on or parasitizing the fish,” he said. Amphipods in this group are mostly scavengers and an important part of the marine food web. But some are active predators and although tiny, their sharp mandibles are capable of piercing human flesh, he said. However according to the article, amphipods normally don’t actively attack people. “I do wonder if he had scratches or something that would have attracted the amphipods,” Watling said. “But they might have just determined him to be ‘fish’ and decided to have dinner.”

CBC News quotes Steneck in report on urchin aquaculture

08 Aug 2017

Robert Steneck, a professor of marine sciences at the University of Maine, was quoted in a [CBC News](#) report about the viability of sea urchin aquaculture. Sea urchin aquaculture research is underway in several countries, including the U.S. and Canada, and a new land-based sea urchin aquaculture operation by Quoddy Savour Seafood Ltd, in Pennfield, New Brunswick has received the environmental approval to move forward with its venture, according to the article. Steneck, who served as the scientific adviser on Maine’s Sea Urchin Zone Council, said successful urchin aquaculture is “tricky.” He cautioned Atlantic Canadian groups hoping to get into the business of urchin farming, citing the five unsuccessful attempts to create sea urchin aquaculture industries in Maine. While the technology exists to farm-raise urchins, finding a sustainable balance between the volumes required to make a profit and the infrastructure required to keep the animals healthy is a challenge. “They’ll have to be very clever to figure out a way to do it and to be able to sustain the operation, especially a land-based operation,” he said. “I certainly wish them luck.”

Waller’s talk about cold-water corals concludes DMC summer science series

08 Aug 2017



[caption id="attachment_56619" align="alignright" width="300"] Rhian Waller [caption] Rhian Waller’s talk about Gulf of Maine cold-water corals at 10:30 a.m. Friday, Aug. 11 concludes the 2017 Darling Marine Center summer science seminar series. Waller, a University of Maine marine scientist and a fellow in the international Explorers Club, was featured in National Geographic Magazine in 2013 as a 21st-century risk taker in the “New Age of Exploration.” She has taken part in more than 40 expeditions around the planet. In a submersible, Waller has plunged to a depth of 3,600 meters to examine corals on the New England Seamount chain. Her research focuses on the reproduction and development of cold-water and deep-sea invertebrates around the globe. With projects from the Arctic to Antarctic, she studies a how cold-water corals are affected by both natural and human-caused environmental change. Waller will cover the basics of cold-water corals, how humans are influencing their communities and what the floor of the Gulf of Maine looks like. [Registration](#) is required for the free, public seminar in Brooke Hall. For a disability accommodation, call 207.563.3146.

UMaine Humanities Center named for donors

08 Aug 2017

The University of Maine Humanities Center has a new name, reflecting the generous support of Clement McGillicuddy '64 and his wife Linda of Hobe Sound, Florida and Northeast Harbor, Maine. A University of Maine Foundation news release about the Clement and Linda McGillicuddy Humanities Center is online.

La Farge watercolor exhibition at University of Maine at Machias opens Aug. 16

09 Aug 2017



[caption id="attachment_56624" align="alignright" width="400"]

“Horse Hair Chair,”

watercolor by Margaret La Farge[/caption] An exhibition of watercolor paintings by Machias-based artist Margaret La Farge will be on display Aug. 16 through Sept. 29 at the University of Maine at Machias. An opening reception for the exhibition, “Interior Spaces — The Meaning of Home,” will be held 5–7 p.m. Aug. 16 in the Powers Hall Art Gallery. The reception is free and open to the public. Gallery hours are noon–4:30 p.m. Monday through Friday. La Forge has exhibited paintings and sculptures in galleries throughout New England and in Iowa. She also is an award-winning book illustrator. According to her website, in addition to her paintings of interior spaces, the University of Maine alumna also is working on several series that focus on old roads and coastal Maine. For more information on the exhibition or to request a disability accommodation, contact professor and gallery director Bernard Vinzani, 255.1279.

Boothbay Register advances Waller’s cold-water coral talk

09 Aug 2017

[Boothbay Register](#) published a University of Maine news release announcing Rhian Waller, a UMaine marine scientist and fellow in the international Explorers Club, will speak about Gulf of Maine cold-water corals at 10:30 a.m. Friday, Aug. 11 at the Darling Marine Center in Walpole. Her research focuses on the reproduction and development of cold-water and deep-sea invertebrates around the globe. With projects from the Arctic to Antarctic, she studies a how cold-water corals are affected by both natural and human-caused environmental change. Waller’s talk, which will conclude the center’s 2017 summer science seminar series, will cover the basics of cold-water corals, how humans are influencing their communities and what the floor of the Gulf of Maine looks like. [Registration](#) is required for the free, public seminar.

Maine Public interviews Brewer about early gubernatorial race poll results

09 Aug 2017

Mark Brewer, a political science professor at the University of Maine, spoke with [Maine Public](#) about a telephone survey that shows Republican Mary Mayhew leading Sen. Susan Collins in a race for the Republican nomination for governor. Maine Public reported the primary is not until next June and Collins has not said she will run. Brewer said it’s early in the political season and some GOP voters polled may have been more interested in sending a message to Collins that they are not happy with her votes on issues such as the Affordable Care Act, and not actually indicating how they would vote in a GOP primary. “A lot of them say they will not vote for Susan Collins,” he said. “We see here Susan Collins versus someone else — 28 percent for the senator, 62 percent for someone else.” Brewer said the poll does suggest Collins has problems with the Republican base even though she recently was named the second most popular senator in the country. However, Brewer said he has no doubt Collins would win the election for governor, if she could survive a

primary.

Bartlett discusses Eastport's sardine industry history on PRI's 'The World'

09 Aug 2017

Chris Bartlett, a finfish aquaculture specialist at the University of Maine, spoke with [Public Radio International's](#) "The World" for the report, "From gutting sardines to shipping pregnant cows, this Maine port wants your business." Eastport went from having a peak population of just more than 5,000 in 1900, to an estimated 1,352 residents today, according to the report. The city sits in Washington County, one of the poorest parts of the United States, with high unemployment and opioid abuse. A century ago, Eastport was the sardine capital of America with regular ferries running from Boston, the report states. By the 1980s, Eastport's sardine industry was diminished but still flourishing, PRI reported. "They were also making cosmetic glitter from the colorful slime off the back of the scales, it's called pearl essence. There were three pearl essence factories here," said Bartlett, a member of the Marine Extension Team that serves UMaine Cooperative Extension and the Maine Sea Grant College Program. Bartlett, who moved to the area in the late 1980s, said eventually sardines and other fishing businesses dried up, along with parts of the community. "Our elementary school was built to house 250 students from K-12. We now have 86 students," he said.

Drummond speaks with BDN about roadside pollinator study

09 Aug 2017

Frank Drummond, a professor of insect ecology at the University of Maine, spoke with the [Bangor Daily News](#) for an article about the Maine Department of Transportation's Roadside Invasive Plants and Pollinator Study. "Basically we go out and assess the density of flowering plants and assess the density of butterflies and bumblebees and bring samples back to the lab to identify what species [of butterflies and bumblebees] we are seeing," Drummond said, adding he is seeing a strong relation between the density of flowering plants and increased numbers of butterflies. Drummond is looking at 10 sites in which DOT decided to reduce mowing this summer, allowing wildflowers to grow, according to the article. "DOT made a conscious effort to reduce the intensity of their management in those study sites. It's a cost savings to them, but it also helps enhance native plants and native pollinators," Drummond said, adding roadside habitats in Maine cover between 10,000 and 12,000 acres. "When habitats become fractured and isolated, fewer individuals are able to find them so the diversity in those spots becomes lower," he said. "But if you have an uninterrupted large expanse of habitat — even if it's just narrow strips along the freeway — those can essentially be highways for bees and habitat for mixed, diverse species."

Grad student's climate change art featured in Outside Magazine

09 Aug 2017

Jill Pelto, a graduate student in the School of Earth and Climate Sciences at the University of Maine, was included in an [Outside Magazine](#) article that featured 10 artists who are turning climate change data into paintings, sculptures and illustrations. Pelto, who is 24 years old, knows that her generation and those that follow are the ones inheriting the issues, and the research isn't always simple to digest, the article states. "I also find that many people just don't pay attention," she said. Her illustrations depict the same kind of graphs you might find in a textbook (decline in glacier mass balance; ocean acidification; deforestation) overlaid with watercolor paintings of the affected natural wonders, bringing the research to life, Outside reported.

In changing climate, native fungal pathogen poses increasing health concerns for eastern white pine

09 Aug 2017

A native fungal pathogen that has increasingly damaged eastern white pine throughout New England in the last three decades has been found to be most severe in stressed, weakened trees, leading University of Maine researchers to recommend proactive forest management practices such as thinning to improve the health and value of the seminal species. The UMaine research team, led by William Livingston, associate director of the UMaine School of Forest Resources, and Kara Costanza, a Ph.D. candidate in forest resources, expects to issue a management plan for eastern white pine in the coming year, based on the findings of their three-year project focused on the health concerns resulting from *Caliciopsis pinea* and its impact on the region's forest products industry. Management recommendations will aim to reduce future infestations and limit the amount of damage caused by the pathogen.

<https://youtu.be/YqPC61EzAke> [Read transcript](#) "The environment in Maine (and New England) has been changing," Livingston says. "We're now dealing with more extremes in climate — more severe drought in some years, record precipitation in months of other years. This is creating conditions stressful to the tree. We need to manage (the species) to maintain its value to the state. "Better biological understanding, such as growing trees in wider spacing to get less fungal infection and greater wood growth, will increase the quality of the trees, helping landowners and mills recover the values now being lost," he says. Since the late 1990s, forest health specialists have found increasingly significant damage to white pine from the *Caliciopsis* canker — first in central New Hampshire and then elsewhere in New England. In their project, UMaine researchers are collaborating with the U.S. Forest Service, New Hampshire Division of Forests and Lands, Maine Forest Service, Northeastern Lumber Manufacturers Association, and regional foresters and loggers. They are studying *C. pinea* to understand how it biologically affects trees, the pathogen's incidence and severity, and its impact on the forest products industry. The researchers also want to understand the other stress agents affecting the health of white pine, such as insects, other fungi or climatic events. Preliminary findings indicate the native fungal pathogen is ubiquitous in New England. And, it is not alone. DNA analyses revealed approximately 30 fungal species present at the site of canker and resin pitching damage, but *C. pinea* is still the primary pathogen. The UMaine researchers focused on eastern white pine in southern New Hampshire and southwestern Maine, where *C. pinea* infestations are causing higher levels of damage. Of the 60 white pine trees that were processed for lumber, *C. pinea* was found in up to 48 percent. The pathogen resulted in a lower grade or value in up to 13 percent of the lumber. Lumber with the heaviest damage from *C. pinea* — profuse pitching, necrotic tissue, and staining of the xylem — also had additional loss in value from associated factors such as black knots, decay, and non-*C. pinea*-related resin streaking. *C. pinea* appears to cause more damage to stressed white pine trees, such as those growing on poor soils or in extremely dense, overstocked stands. Extremes in climate are also predisposing trees to more damage due to drought, such as that recently experienced in southern Maine and New England. On the opposite extreme, record precipitation levels in June during other years have created favorable conditions for needle pathogens to cause needle yellowing and loss, another tree stress favoring *C. pinea* infections. Eastern white pine is a culturally and economically significant species in northeastern North America, and is the Maine state tree. Often referred to as "the tree that built America," eastern white pine was used in boatbuilding and home construction. "This is an amazing tree with an important heritage to the state," Livingston says. "When Europeans first came here, eastern white pine was growing 4 to 6 feet in diameter, 150 feet tall and covered a quarter of the Penobscot River watershed. It was a superdominant species,

often twice the size of the trees around it, and used by the British navy for ship masts.” Today, eastern white pine remains commercially and ecologically significant in Maine, Livingston says. In the state, approximately \$40 million is annually paid for white pine by the mills to produce products, and the mills employ hundreds of workers and add value by sawing the trees into high-value lumber products. A conservative estimate of white pine value in Maine’s forest is over \$2 billion, he says. What’s happening to white pine is not unique to Maine, Livingston says. That’s why a multistate working group is focused on the health concerns for white pine throughout its native range. “(*C. pinea*) has been around since at least 1880, but only in the last 20 to 30 years have we seen an increase in damage,” Costanza says. “That’s one of the biggest concerns: Why is the health of eastern white pine changing?” “Multiple insects and fungi are affecting white pine health throughout its range, but knowing how they interact together will help the multistate group develop overall management plans that will be a huge help to the industry,” she says. Contact: Margaret Nagle, 207.581.3745

Transcript

Kara Costanza: A lot of researchers have referred to eastern white pine as the tree that built America. **Bill Livingston:** It's an amazing tree. It's also an important heritage to the state of Maine **Kara Costanza:** It was often used in boatbuilding. It was used to build houses. And so it's really this staple tree that important both historically and economically. **Bill Livingston:** The value of the trees that are currently standing that could be used by the mills is probably around \$2 billion dollars. We're peeling away the bark to look at the damage. **Kara Costanza:** Our project was specifically looking at how a native fungal pathogen, *Caliciopsis pinea* is affecting eastern white pine trees in eastern North America. **Bill Livingston:** We are seeing dead tissue there, so an indication of the canker. **Kara Costanza:** So if you look at the bark of a tree, they would see a lot of white streaks coming down the bark and then the forest products industry was reporting cankers or damage inside the wood that would cause a downgrade and cause it to lose value. This we would classify as *Caliciopsis*. When it can get past the bark or cambial tissue then it can infect the tree and cause this necrotic tissue and basically kills the tree where it enters. **Bill Livingston:** Shave off on the other side so we can see how wide the canker is. **Savannah Haines:** Trees can get damaged, they can get sick. This is there way of dealing with that. So if you get a cut on your body, you're going to get a scab and it's going to repair itself. Well trees don't heal like we do they seal over wounds. **Kara Costanza:** With this study we're hoping to figure out what's causing the increase in *Caliciopsis* damage that we're seeing. Some suggestions are that it's related to climate change, precipitation increases in the spring as well as temperature changes. And then also land-use changes. White pine regenerates on old fields or abandoned farms but it's not adapted to those sites and that may play into the increase we've seen in *Caliciopsis*. Only about 7.5 to 13 percent of the trees we sampled had a lost value because of the fungus. But economically if you're looking at 10 million board-feet of lumber processed, that can be thousands of dollars so it does add up quickly. Stressed trees or trees growing in poorer conditions tend to be most affected. And so by thinning and having proactive management, the symptoms and the value lost due to this fungus can be reduced. **Bill Livingston:** Putting all this together will help the landowners who grow the trees, increase the value of them and then get more money when they sell them to the mill. And when the mill gets them they'll get better quality wood that they can make their products from and increase their yield. **Kara Costanza:** We're hoping that in the next year we can get out a few scientific publications from our research and also put together a white pine management guideline booklet that we can distribute land managers so that they something in hand that's concrete that they can use to manage their forests. **Bill Livingston:** What's happening to the white pine is not unique to Maine. There's not a multistate working group coming together so that we can understand what's happening to white pine throughout its range which will help put it in perspective what's happening here in the state of Maine [Back to post](#)

UMaine Extension publications offer tips on preserving summer harvest

10 Aug 2017

The University of Maine Cooperative Extension offers information and recommendations on how to preserve fruits and vegetables that are ripe in August. UMaine Extension advises home gardeners who plan to can or freeze surplus produce to use the most up-to-date information. The organization’s publications contain information to help people find, grow, use, preserve and store in-season fruits and vegetables. Visit the UMaine Cooperative Extension [Publications Catalog](#) for bulletins including:

- [USDA Complete Guide to Home Canning](#)
- [Freezing Unusual Fruits and Vegetables](#)
- [So Easy to Preserve](#)
- [Let's Preserve Series](#)
- [Canning & Freezing Quick-Guides & Entire Series](#)

Media advance Highland Blueberry Farm tour, Extension Association meeting

10 Aug 2017

[The Republican Journal](#) and [Morning Ag Clips](#) reported Highland Blueberry Farm in Stockton Springs will host a farm and field tour in conjunction with the Waldo County Extension Association’s annual meeting at the farm Aug. 30. The public is invited to tour the farm at 94 Old County Road, discover its innovative products, and learn more about the University of Maine Cooperative Extension in Waldo County. The farm tour will begin around 5:30 p.m., followed by light snacks and the Extension Association’s brief meeting to approve the 2018 budget and elect new officers and board members.

Virtual reality software for teaching math featured on WVII

10 Aug 2017

Researchers with the University of Maine’s Immersive Mathematics in Rendered Environments lab showcased on [WVII](#) (Channel 7) HandWaver, a virtual reality software they developed. The gesture-based program was developed by students and recent graduates to let learners use their hands to explore mathematical objects in virtual 3-D space. The goal of the program is to help students better understand math and geometry, WVII reported. “One thing you can do with virtual objects that you can’t do with real physical objects is you can investigate them by superposition, you can put them inside each other really easily to understand how their volumes might relate to one another,” said Justin Dimmel, an assistant professor of mathematics education and instructional technology at UMaine. “That’s just a simple example of the kinds of things you can do in these virtual environments.”

UMaine Extension 4-H cited in Foster's article on arts, healing nonprofit

10 Aug 2017

The University of Maine Cooperative Extension 4-H program was mentioned in a [Foster's Daily Democrat](#) article about Laura Jaquays, an author, artist, teacher and founder of Art HOPE. The nonprofit arts and healing organization is dedicated to promoting creative wellness through free, expressive arts programs for people living with cancer or long-term illness and the community at large, according to the article. Youth enrichment programs are offered at area schools and libraries through Art HOPE Youth Service in Healthcare Program, a youth-adult mentoring effort with 4-H that introduces teens to health care and boosts their empathy awareness through creativity, the article states.

Laatsch speaks with WVII about how to safely view eclipse

10 Aug 2017

Shawn Laatsch, director of the Emera Astronomy Center and Maynard F. Jordan Planetarium at the University of Maine, spoke with [WVII](#) (Channel 7) for a report about how to safely view the solar eclipse on Aug. 21. "The sun is no more powerful on the day of an eclipse than any other day of the year," Laatsch said. "It's just that people want to see what's happening because as the moon starts to cover the sun, the sky starts to change some." The only safe way to directly view an eclipse is with a pair of solar-filtering glasses with an ISO level of 12312-2, WVII reported. Any other eyewear could cause permanent, irreversible damage, the report states. "There have been some online sources that haven't been reputable," Laatsch said. "Normally (the glasses) will have a stamp on the inside that will tell you the ISO level." Laatsch also spoke with [WABI](#) (Channel 5) and [The Maine Edge](#) about the upcoming eclipse.

'Meet the Black Bears' football clinic, family movie night Aug. 22

11 Aug 2017

The University of Maine football team will host its annual "Meet the Black Bears" free football clinic at 6 p.m. Tuesday, Aug. 22 at Alford Stadium. Participants of all ages will have the opportunity to meet players and coaches, get posters and autographs, and join the team for a pizza party sponsored by Domino's. Following the clinic, fans are invited to stick around and enjoy their pizza on Morse Field while watching a free showing of "The LEGO Batman Movie" on the high-definition video scoreboard. Registration for the clinic is [online](#).

Morning Sentinel quotes Brewer in article on Rep. Poliquin putting house on market

11 Aug 2017

The [Morning Sentinel](#) spoke with Mark Brewer, a political science professor at the University of Maine, for an article about U.S. Rep. Bruce Poliquin putting his Oakland house up for sale. <https://docs.google.com/document/d/1Fz4YuCGTONDC-5mzmXtvbFKGD7nBICojc22CaQ3oRJo/edit> Republican Poliquin, now in his second term in the United States House of Representatives, has claimed residency in Oakland since early 2014, when he announced he was running for Congress in the state's 2nd District, according to the article. Poliquin's press secretary said he has been looking to downsize since his son graduated from college, and that the congressman intends to find another home in the Oakland area. Brewer said Poliquin putting his house up for sale certainly could mean he's considering a run for governor, but he doesn't think Poliquin would want to send an overly confident message about a potential run. "My guess is that the reason is what he says it is," Brewer said. "But we won't know for sure until it all plays out."

Free Press advances SEA Fellows symposium at Darling Marine Center

11 Aug 2017

[The Free Press](#) reported the public is invited to the second annual SEA Fellows Summer Science Symposium at the University of Maine's Darling Marine Center in Walpole on Aug. 16. The SEA (Science for Economic Impact and Application) Fellows program, initiated by UMaine and the University of Maine at Machias, "is a venue for undergraduate students conducting applied marine research to gain experience communicating their findings to diverse audiences," according to Heather Leslie, DMC director and co-founder of the program. The symposium will feature poster presentations from 20 undergraduates from UMaine, UMM, Colby College and other institutions who collaborated with academic researchers and marine industry professionals to study topics ranging from lobster disease to impacts of coastal water quality on shellfish growth, according to the article. Presentations will take place from 2 to 4 p.m. in Brooke Hall, followed by a tour of the DMC shellfish hatchery, business incubation facilities and laboratories, the article states.

USDA cites salmon embryo research in national email bulletin

11 Aug 2017

University of Maine research was highlighted in the USDA National Institute of Food and Agriculture's email bulletin, "[Fresh from the Field](#)." The weekly newsletter showcases transformative impacts made by grantees funded by the National Institute of Food and Agriculture. The Aug. 10 bulletin included a description of research being conducted by LeeAnne Thayer, a Ph.D. candidate in marine sciences, and Heather Hamlin, an assistant professor of aquaculture and marine biology. Beginning in 2000, fertilized salmon eggs began dying in large numbers, and the average survival rate fell from 80 to 50 percent. The study, which was funded by NIFA's Agriculture and Food Research Initiative, has found that two hormones may play significant roles in achieving an 80 percent embryo survival rate, the bulletin states.

UMaine to receive funds from NOAA to study tuna, AP reports

11 Aug 2017

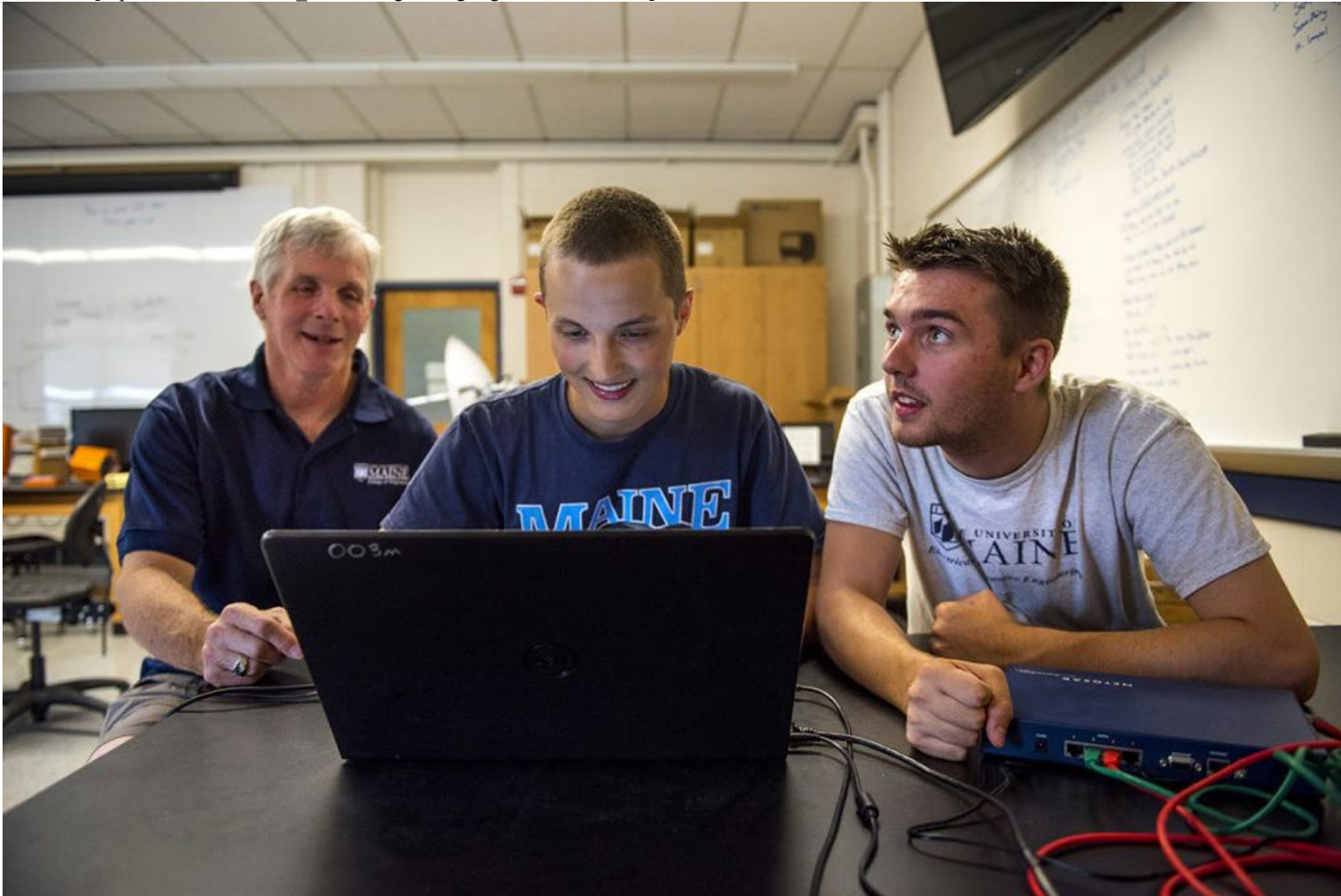
The Associated Press reported the University of Maine is set to receive \$229,469 from the National Oceanic and Atmospheric Administration to support research of Atlantic bluefin tuna. Republican Sen. Susan Collins and independent Sen. Angus King announced the grant in a joint [press release](#). They said the funds will aid research about the tuna's age, growth and population in the northwest Atlantic Ocean. UMaine researchers will work with dealers, fishermen

and other stakeholders from Maine to North Carolina on the project, according to the AP. The university hopes the work will help improve understanding of the Atlantic bluefin stock, the AP reported. [U.S. News & World Report](#), [The Washington Times](#), [Maine Public](#) and [Miami Herald](#) carried the AP report.

High Altitude Ballooning group to live stream eclipse at Clemson University

11 Aug 2017

A University of Maine contingent will be in South Carolina on Aug. 21 to provide people around the world with a live view of the total eclipse from the edge of space. The engineering group is part of the NASA-sponsored project, "Great American Eclipse," during which students from 55 teams nationwide will launch high-altitude balloons to live stream aerial footage of the total solar eclipse to [NASA's website](#). This summer, Derek Haas, a sophomore electrical engineering major, and Cameron Sullivan, a sophomore computer engineering major, have completed multiple practice launches with the UMaine ballooning equipment to prepare for the event. The students from Old Town also have written computer code, done calculations and trudged into the woods to retrieve the balloon's payloads — including video and still cameras, computers, radio modems and a GPS tracking device. They are two members of the [UMaine High Altitude Ballooning](#) group that will be traveling to Clemson, South Carolina for the total eclipse. Others include engineering professor Rick Eason, staff member Andy Sheaff and about 12 other students. UMaine is collaborating with Montana State University on the project at Clemson University, which is almost in the center of the 69-to-73-mile-wide swath in which the eclipse will be total. UMaine's two high-altitude balloons will ascend to about 110,000 feet above Clemson to capture the eclipse. Fifty-four other teams from 30 state-based Space Grant Consortia across the United States will do the same. One by one, high-altitude balloons will be launched ahead of the path of the eclipse in Idaho, Wyoming, Nebraska, Missouri, Illinois, Kentucky, Tennessee and the Carolinas. [caption id="attachment_56679" align="alignright" width="1024"]



The UMaine High Altitude Ballooning group will be at Clemson University on Aug. 21 to live stream the total solar eclipse. From left are Rick Eason, assistant professor of electrical and computer engineering; Cameron Sullivan, a computer engineering major; and Derek Haas, an electrical engineering major. [caption] During the total eclipse, the moon will entirely block the sun for approximately two-plus minutes on a path moving from the Pacific Coast in Oregon (10:17 a.m. PDT) to the Atlantic Coast in South Carolina (2:47 p.m. EDT). Being part of the event will be meaningful for the students in a number of ways, says Eason, including witnessing the eclipse, gaining hands-on technical experience and traveling. Montana Space Grant Consortium director Angela Des Jardins says it's exciting to provide a unique perspective of this rare phenomenon. "The live-stream video will show the curvature of the planet, the blackness of space, and the whole of the moon's shadow crossing the Earth during the eclipse," she says. "By live-streaming it on the internet, we are providing people across the world an opportunity to experience the eclipse in a unique way, even if they are not able to see the eclipse directly." The first balloon will be launched from a research vessel in the Pacific Ocean, which according to the NASA website, will "give the public one of the first glimpses of the moon's shadow as it races toward the Oregon coast." In the U.S., the first point of contact of the solar eclipse will be at Lincoln Beach, Oregon at 9:05 a.m. PDT. The total eclipse will begin there at 10:16 a.m. PDT. The total eclipse will end near Charleston, South Carolina at 2:48 p.m. EDT and the lunar shadow will move off the U.S. at 4:09 EDT. UMaine's balloons will be two of the last to go airborne; the final balloon is slated to be launched from a Coast



Guard vessel in the Atlantic Ocean. [caption id="attachment_56715" align="alignright" width="200"] Kent Seneres, a senior computer engineering major from Saco, Maine, takes part in a test launch Monday morning, Aug. 14 at the Pittsfield Municipal Airport. Eason says since 2011, UMaine's HAB has conducted nearly 75 launches. While several landed in Canada, as well as in trees, lakes and the ocean, he's happy to report they haven't lost any yet. In Clemson, South Carolina, the eclipse will begin at 1:07 p.m. and end at 4:02 p.m. The total eclipse will commence at 2:37 p.m. and last 2 minutes and 37 seconds. Clemson officials are expecting as many as 50,000 people on campus Aug. 21 to celebrate and watch the rare astronomical event. On the university's Eclipse Over Clemson webpage a clock counts down the days, hours, minutes and seconds until the total eclipse. The celebration and watch party will include talks by Eason and astronomy experts, a performance by the Clemson Tiger Band, cosmic tours at the planetarium and "tailgazing" near Lake Hartwell. Haas and Sullivan — who according to the National Weather Service should experience an approximate 5–10-degree drop in temperature during the totality — say they're thrilled to be using their skills to be part of the history-making NASA project. The balloons and their payloads will experience a much colder environment. According to NASA, as the balloons ascend, the temperature will be as cold as minus 35 F. Per FAA regulations, the payloads carried by the latex balloons must weigh less than 12 pounds. The balloons, that start out approximately 8 feet in diameter, are expected to ascend about 1,000 feet per minute and expand to about 30 feet in diameter before popping. The cameras and other equipment — including the GPS tracker — then parachute back to Earth. One of the UMaine balloons will be taking part in a NASA experiment called MicroStrat that simulates "life's ability to survive beyond Earth — and maybe even on Mars." NASA will give UMaine two small metal cards with environmentally resilient bacteria dried onto their surfaces. One card will go up with a UMaine balloon and the other won't. The upper portion of Earth's stratosphere — with its cold, thin atmosphere and exposure to radiation — is similar to Martian conditions, according to NASA. And during the eclipse, the moon will buffer the sun's radiation and heat and block ultraviolet rays that are less abundant in the Martian atmosphere, which will lower the temperature even more. When the metal card returns to Earth, scientists will study the effects of the exposure to Mars-like conditions on the microbes. In 2014, the Montana Space Grant Consortium at Montana State University initiated the "Great American Eclipse," project, which is sponsored by the NASA Science Mission Directorate and NASA's Space Grant program. The national network includes more than 900 affiliates from universities, colleges, industry, museums, science centers, and state and local agencies belonging to one of 52 consortia in all 50 states, the District of Columbia and the Commonwealth of Puerto Rico. Beginning at noon Aug. 21, NASA Television will air a four-hour program, "Eclipse Across America: Through the Eyes of NASA," which will include "live video of the celestial event, along with coverage of activities in parks, libraries, stadiums, festivals and museums across the nation, and on social media." The UMaine contingent is slated to arrive in South Carolina a few days ahead of the eclipse to scout launch locations and to meet with Montana and Clemson officials. Eason says the goal is for the balloons to be about 80,000 feet directly above campus — for the best signal — during totality. Eclipse fans are hoping for a sunny day Aug. 21 in Clemson. "As long as there's not a thunderstorm," says Sheaff. Shawn Laatsch, director of the UMaine Emera Astronomy Center and Jordan Planetarium, says total solar eclipses are one of the most spectacular events in all of nature. Earlier total solar eclipses were key to the discovery of helium and proving Einstein's theory of relativity, he says. "While this year it will not be total here in Maine, we will see 54.3 percent of the sun covered by the moon. Here in Orono, the eclipse will begin at 1:31 p.m. with the maximum coverage at 2:46 p.m. and then finish at 3:55 p.m.," Laatsch says. The Emera Astronomy Center has scheduled several events to mark the special occurrence. "[Totality: Explore the Wonder of Eclipses](#)" will be shown at 10 a.m. and 11:30 a.m. Aug. 21. And, a [free viewing](#) — weather permitting — will follow 1–4 p.m. at Clark Observatory. Safety filters and eclipse glasses will be available onsite. The center also will show "Totality: Explore the Wonder of Eclipses" at 7 p.m. each Friday in August, and Laatsch will give a talk about the eclipse at 5:30 p.m. Wednesday, Aug. 16 at the Bangor Public Library. Totality last occurred in Maine on July 20, 1963; Laatsch says the next time the state will experience a total solar eclipse will be April 8, 2024. During the eclipse, there will be twilight-like conditions in all directions, and sometimes a few of the brightest planets and stars are visible, Laatsch says. To safely view the eclipse, Laatsch says people should use special solar filters. NASA recommends checking the authenticity of viewing glasses — including that they have certification information with a designated ISO 12312-2 international standard and have the manufacturer's name and address printed on the product. Viewing glasses should be less than three years old and free of scratches. Sunglasses should not be used. Contact: Beth Staples, 207.581.3777

Pride of Maine Black Bear Marching Band to kick off American Folk Festival

14 Aug 2017

The American Folk Festival on the Bangor Waterfront announced the University of Maine's Pride of Maine Black Bear Marching Band will kick off this year's event, which runs Aug. 25–27. UMaine's marching band, composed of 116 musicians and directed by Christopher White, will lead a parade through the grounds starting at 7 p.m. Friday, Aug. 25. This is the band's third time opening the festival. The American Folk Festival on the Bangor Waterfront celebrates the roots, richness and variety of American culture through music, dance, traditional crafts, storytelling and food. The festival is supported entirely by public donations. More about this year's event is on the festival's website.

Daniel speaks with BDN about importance of good manners

14 Aug 2017

Harold Daniel, an associate professor of marketing in the Maine Business School at the University of Maine, was interviewed by the [Bangor Daily News](#) for an article about the importance of good manners. "Manners are very important," Daniel said. "We have found our students feel a strong need to have those

rules taught to them and to understand them.” Every spring, Daniel’s department offers a business etiquette dinner organized by students in the UMaine chapter of the American Marketing Association, according to the article. “We create a situation where students can experience a white tablecloth formal dinner and the behaviors that go with that,” Daniel said. “I think the students really feel there is a need to know how to perform in formal settings that just might be part of future job interviews.” At the dinners, which have been going on for about 20 years and served around 120 students this past spring, Daniel said they cover how to handle the various utensils and a formal setting, how to direct and participate in the flow of conversation and how to interact with the servers and fellow guests. The event officially ends with written thank-you cards, the article states. “One would think handwritten notes are no longer needed these days,” Daniel said. “But I have been told time and time again, it is a great way to stand out.”

Jackson discusses elderberries on ‘Maine Calling’

14 Aug 2017

Tori Jackson, an associate professor of agriculture and natural resources with the University of Maine Cooperative Extension, was a recent guest on Maine Public’s “Maine Calling” radio show. The topic of the show was the state’s elderberry crop, with a focus on the latest research, as well as the berry’s different applications and potential for Maine’s economy.

UMaine Composites Center spinoff company featured in BDN

14 Aug 2017

Brewer engineering business Compotech Inc. was the focus of the [Bangor Daily News](#) feature, “Where the Bangor region’s future job growth will probably come from.” The article argues economic development in the Bangor area is likely to look like Compotech Inc., a business with 10 employees that got its start at the University of Maine. Compotech started in 2011 as a part-time venture for Paul Melrose, who was then the engineering manager at UMaine’s Advanced Structures and Composites Center, and his business partner, according to the article. The company started as an engineering consulting business, but three years later, Compotech had the beginnings of a military-grade ballistic protection system. In January 2015, Compotech had a multimillion-dollar contract with the U.S. Army to develop protection systems to keep soldiers safe at Army base camps, the article states. Early on, Compotech operated out of the Target Technology Center in Orono, which was recently renamed the UpStart Center for Entrepreneurship. Today, the center houses a handful of businesses, many with UMaine ties, that are in the incubation stage, the BDN reported. Compotech relies on the UMaine Composites Center for help with product testing, and most of the company’s employees are UMaine-trained engineers. “I know where to get engineers, no problem,” Melrose said.

BDN interviews Birkel about droughts, record rainfall

14 Aug 2017

The [Bangor Daily News](#) spoke with Sean Birkel, Maine’s state climatologist and a research assistant professor at the University of Maine’s Climate Change Institute, for the article, “How Maine can be in a drought, even during record rainfall.” Birkel said drought conditions can spring up relatively quickly, whereas the trend of increasing precipitation is borne out by decades of weather data. The rain and snow that falls in Maine is not spread evenly throughout the state, he added, which can result in significant differences within Maine from one season to the next. Maine is getting greater amounts of torrential rain and snow from storms, which has contributed to the increase in annual statewide precipitation, Birkel said. As Maine gets more intense rainstorms, the saturated ground may cause more of the rain to be funneled into rivers and flow out to sea, rather than seeping more slowly into the water table underground, he said. As more rain falls in shorter time periods, it leaves longer gaps between rain events during which time topsoil can dry out and well levels can decrease, according to the article. The intensifying rainstorms “do not preclude seasonal drought” or even droughts that extend from one year into the next, Birkel said. “More of that [precipitation] is being delivered in bursts.” Maine Public also published the report.

UMM’s Merrill Library offers ‘Let’s Talk About It’ book group

15 Aug 2017

Merrill Library at the University of Maine at Machias has been selected by the Maine Humanities Council to offer “Let’s Talk About It,” a free public reading and discussion group, with copies of books available for loan through the library. The program is provided by the Maine Humanities Council’s Maine Center for the Book, in cooperation with the Maine State Library. The theme of the UMM program is “Entering Nature: Contemporary Views of the Human Self in the Natural World.” It begins at 6 p.m. Sept. 13 at Merrill Library and continues for four sessions, culminating Dec. 6. Books to be read and discussed in the series include: “Lives of a Cell” by Lewis Thomas; “The Tree” by John Fowles; “Pilgrim at Tinker Creek” by Annie Dillard; and “Arctic Dreams” by Barry Lopez. A Maine Humanities Council scholar will facilitate the discussions. “Exploring ideas and issues through literature has a unique and fun way of creating community,” said Nicole Rancourt, director of Let’s Talk About It. “We find that there is great interest among people in getting together to discuss what they’ve read with others. Having a discussion leader such as Penny Guisinger, who is both excited about the readings and skilled in facilitating, can help to deepen this experience.” To register, request a disability accommodation or pick up a copy of the first book in the series, contact Merrill Library, 255.1234 or 255.1254. The library’s summer hours are 8 a.m. to 4:30 p.m. Monday–Friday. Beginning Aug. 28, the library will be open 8 a.m. to 10 p.m. Monday–Thursday; 8 a.m. to 5 p.m. Friday. More information about Let’s Talk About It and the Maine Humanities Council is [online](#).

BDN quotes Scontras in article on ‘right to work’ legislation

15 Aug 2017

The [Bangor Daily News](#) cited Charles Scontras, a historian and research associate at the University of Maine’s Bureau of Labor Education, in the article, “LePage’s pay raise offer sways biggest state union to accept ‘right to work’ contract language.” In exchange for a 6 percent pay increase over the next two years, negotiators for the Maine State Employees Association agreed to eliminate the requirement that state employees who choose not to join the union pay a mandatory fee to the union for collective bargaining and other services, according to the article. Attempts to eliminate fee requirements for labor unions in Maine aren’t new, the article states. In 1948, voters at referendum rejected anti-union measures on the ballot 2-to-1, according to a [BDN column](#) by Scontras that was published earlier this year. The [Sun Journal](#) and [Maine Public](#) also published the BDN report.

NSF awards UMaine more than \$1M for energy, Earth science research, AP reports

15 Aug 2017

The Associated Press reported the National Science Foundation has awarded more than \$1 million to the University of Maine for several research projects involving energy, Earth science and education. Republican Sen. Susan Collins and independent Sen. Angus King, who announced the grants in a [joint news release](#), said the funds will help students and researchers promote STEM education. The largest grant is for more than \$340,000 and will support a project that seeks to examine sulfur-bearing minerals in rocks from ancient plates and volcanic systems. A grant of nearly \$300,000 will fund equipment geoscientists can use to investigate Earth system processes, the AP reported. Another grant of nearly \$300,000 will support a project to better understand the way energy is released from earthquakes, the report states. [Maine Public](#), [U.S. News & World Report](#), [Miami Herald](#) and [The Kansas City Star](#) carried the AP report. [WABI](#) (Channel 5) also reported on the grants.

UMaine students to live stream eclipse using high-altitude balloons, media report

15 Aug 2017

[The Boston Globe](#), [WSB-TV](#) (Channel 2 in Atlanta), [NECN](#), [WABI](#) (Channel 5), [WVII](#) (Channel 7), [WMTW8](#), [Bangor Daily News](#), [The Free Press](#), [Washington Post](#), and [Pickens County Courier](#) of South Carolina and reported University of Maine researchers and students from the school's High Altitude Ballooning group will travel to Clemson, South Carolina to launch specialized balloons, equipped with multiple cameras, to live stream aerial footage of the total solar eclipse to [NASA's website](#). The UMaine group is part of the Eclipse Ballooning Project, a NASA-funded initiative that includes students and researchers from 54 similar teams nationwide, [The Boston Globe](#) reported. On the day of the eclipse, each participating group will release its balloons from different points within the path of totality, the article states. According to Rick Eason, an assistant professor of electrical and computer engineering at UMaine, the cameras on the balloons will give viewers a unique vantage point from the edge of space, in real time. "It's just another perspective of totality, and what it looks like from around 100,000 feet," said Eason, who is helping lead the UMaine students in the project. "It's something that's fun to see." The students have been conducting test launches all summer, including a final launch Aug. 14 in Pittsfield, Maine. "This is awesome," Cameron Sullivan, a sophomore computer engineering major, told WABI. "We've been working all summer trying to get this live video going. We've been working with the electronics, the mechanical parts trying to get the payload boxes ready. We've been doing launches trying to get ready." "Everything is pretty much in order," Eason told the Globe. "I hope we will pull it off." [NBC Boston](#) and [WLBZ](#) (Channel 2) carried the NECN report, and [Maine Public](#) published the BDN article. [Clemson University](#) also published a news release about the launch.

Nominations sought for Maryann Hartman awards

16 Aug 2017

Nominations for the 2017–18 Maryann Hartman Award and the Maryann Hartman Young Women's Social Justice Award will be accepted through Nov. 15, with a public celebration planned for March 28, 2018 at the University of Maine. Following a hiatus in 2017, the Women's, Gender, and Sexuality Studies Program has partnered with UMaine's Rising Tide Center to continue the tradition of honoring contemporary Maine women by enhancing awareness of their accomplishments. The Hartman awards are named for the late UMaine associate professor of speech communication who was a renowned educator, feminist, scholar and humanist. The Maryann Hartman Award recognizes the inspirational achievements of women in the arts, politics, business, education, health care and community service. The Young Women's Social Justice Award honors the contributions of a high school sophomore or junior dedicated to promoting diversity and equality in her community. Nominations can be submitted [online](#) or mailed to: Women's, Gender, and Sexuality Studies, 5728 Fernald Hall, Suite 201, University of Maine, Orono, Maine 04469. For more information, call 581.1228.

Researcher on Maine Sea Grant-funded project featured in Outside/In podcast

16 Aug 2017

An episode of the podcast [Outside/In](#), a production of New Hampshire Public Radio, focused on oyster shell middens along the banks of the Damariscotta River in Maine. Arthur Spiess of the Maine Historic Preservation Commission was interviewed for the podcast. Spiess is a co-principal investigator of a Maine Sea Grant-funded project investigating the development of a noninvasive, rapid method of assessing coastal archaeological sites. Alice Kelley, Joseph Kelley and Daniel Belknap of the University of Maine's School of Earth and Climate Sciences and the Climate Change Institute are co-PIs on the project.

Scontras speaks with Maine Public about historical efforts to weaken unions

16 Aug 2017

Charles Scontras, a historian and research associate at the University of Maine's Bureau of Labor Education, spoke with [Maine Public](#) for the report, "State employees union could drop 'fair share' fees in exchange for 6 percent raise." Gov. Paul LePage has been a critic of organized labor, and has long tried to pass legislation to stop unions from charging membership fees to workers who choose not to join, according to the report. Scontras said efforts to weaken unions at the bargaining table have been going on for some time in the U.S. "This is all taking place in a wider conservative climate since the 1970s," he said. "It's been nothing but concessionary bargains, givebacks, calls for changes in work rules."

WVII covers UMS Aging Initiative Workshop in Belfast

16 Aug 2017

[WVII](#) (Channel 7) reported on the annual University of Maine Systemwide Aging Initiative Summer Workshop at the Hutchinson Center in Belfast. The state's median age is 45 — the oldest in America — and Maine has the largest proportion of baby boomers, according to the UMaine Center on Aging. Recognizing mobility is critical as people age, WVII reported. At the workshop, UMaine mechanical engineering alumnus Ryan Beaumont, CEO of Brunswick-based Mobility Technologies, demonstrated the Afari stylized mobility aid. Beaumont's company teamed with UMaine professors to develop the walkers, according to the report.

Fried discusses voting rights, fraud on 'Maine Calling'

16 Aug 2017

Amy Fried, a political science professor at the University of Maine, was a recent guest on [Maine Public's](#) "Maine Calling" radio show. The show focused on voting rights and the debate over voter fraud.

WVH reports on research aimed at improving health of white pine trees

16 Aug 2017

[WVH](#) (Channel 7) reported University of Maine researchers are concerned about the health of eastern white pine trees due to a native fungal pathogen that has increasingly damaged the trees throughout New England. The research team, led by William Livingston, associate director of the UMaine School of Forest Resources, and Kara Costanza, a Ph.D. candidate in forest resources, has found the fungus to be most severe in trees that are stressed or weakened due to a changing climate. The researchers say landowners should be proactive and thin damaged trees from their land, WVH reported. "If you're willing to let half your trees die, then that's fine with you. But if you want to capture the value of those trees then manage the forest, and you will be able to capture the trees that otherwise would be killed by this fungus," Livingston said.

Grad student researching interactions among bass, other fish as waters warm

17 Aug 2017

In July, University of Maine graduate student Nicole Ramberg-Pihl went to the Kenduskeag Stream in Exeter and Garland in search of smallmouth bass. Accompanying her in the field were Stephen Coghlan, an associate professor in the Department of Wildlife, Fisheries, and Conservation Biology; and undergraduate students Spencer Kelley and Tyson Porter. They collected small young-of-the-year fish for a Maine Sea Grant-funded project to evaluate how bass might compete with brook trout and endangered Atlantic salmon in Maine rivers in a future with warmer temperatures. A full article about one of the outings is on the Maine Sea Grant website.

Koplovsky earns scholarship to become certified paramedic

17 Aug 2017

Aiden Koplovsky of Duxbury, Massachusetts, an advanced EMT with County Ambulance of Ellsworth, Maine and University Volunteer Ambulance Corps at the University of Maine, has been awarded a ZOLL EMT Scholarship to become a certified paramedic. The UMaine zoology pre-med major is one of 11



Aiden

recipients selected nationwide. [caption id="attachment_56739" align="alignright" width="225"] Koplovsky [caption] "Mr. Koplovsky has demonstrated his devotion and enthusiasm for the field of emergency medicine. This scholarship will support him as he advances his lifesaving skills and becomes a certified paramedic," said A. Ernest Whiton, president of ZOLL Resuscitation. Koplovsky has been a volunteer with UVAC for several years, earning a Rookie of the Year award and later serving as the student chief of service. He contributed to the [article](#), "Interprofessional Mass Casualty Incident Simulation Design Protocol to Prepare Prelicensure Nursing Students to Respond to a Disaster," published in February 2017 in the journal Nurse Educator. ZOLL Medical Corp. develops and markets medical devices and software solutions to help advance emergency care and save lives, while increasing clinical and operational efficiencies.

Volunteers sought for 2017 Maine Hello, Welcome Weekend Day of Service

17 Aug 2017

The University of Maine's First Year Experience is recruiting volunteers to welcome UMaine's Class of 2021 during Maine Hello on Friday, Aug. 25. Maine Hello is a campuswide event where returning students, faculty and staff welcome new students and their families as they arrive on campus. From 8 a.m. to 4 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 from 6-9 p.m. Wednesday, Aug. 23. Volunteer registration is [online](#). More information about Maine Hello is available online or by calling 581.1420. The Bodwell Center for Service and Volunteerism also is seeking project leaders and volunteers for the Welcome Weekend Day of Service on Saturday, Aug. 26. The Day of Service falls on the first weekend students are at UMaine to give them an opportunity to participate in volunteer activities at community organizations. Registration for available projects, as well as trip leader training, is [online](#). More information about the Welcome Weekend Day of Service is available on the Bodwell Center [website](#) or by calling Lisa Morin at 581.4194.

Press Herald publishes Socolow's op-ed on American, Confederate flags

17 Aug 2017

The [Portland Press Herald](#) published the opinion piece "Let the Stars and Bars stay forever furled in favor of the flag of the free," by Michael Socolow, an associate professor of communication and journalism at the University of Maine.

BDN reporter moonlights as counselor at Tanglewood 4-H Camp

17 Aug 2017

A [Bangor Daily News](#) reporter published an article about her day as a counselor at the University of Maine Cooperative Extension Tanglewood 4-H Camp and Learning Center in Lincolnville. The article is part of a BDN series that spotlights important but often underappreciated summer work that occurs along the state's midcoast. Tanglewood 4-H Camp was founded in the early 1940s as an all-girls camp, but the university began leasing the land from the state in the early 1980s, the BDN reported. It was built as an ecology-centered camp, where young people could have the weeklong camp experience while learning how to be responsible stewards of nature, according to the article. Campers learn how to compost, recycle and generally how to be good stewards of Earth, said Jessica Decke, summer program coordinator at Tanglewood. Part of the value that comes from attending are tangible skills that campers learn, including how to build and cook over a fire, but equally important are the "intangibles," Decke said, "which come from living in a community." "To build that sense of independence, to teach and inspire youth to be effective in caring, citizens of the Earth."

UMaine mentioned in Press Herald article on energy-efficient home building company

17 Aug 2017

The University of Maine was mentioned in a [Portland Press Herald](#) article on GO Logic, a Maine energy-efficient home building company, that aims to produce innovative wood-fiber insulating boards through its new subsidiary, GO Lab Inc. Joshua Henry, GO Lab's president, is a chemist and materials engineer, and a former professor at UMaine. Later this summer, Henry will be at a UMaine lab to test combinations of wood fibers pressed into insulation board for insulating value and strength, the Press Herald reported. The university already is a focal point for experimenting with ways to turn wood fiber into high-performance insulation, according to the article. Revolution Research Inc., founded by former UMaine students and aided by government grants, has used nanotechnology to develop Arbotile, a wood-fiber, insulating ceiling tile, the article states. Henry said the process he's working on isn't as technically advanced as Arbotile, but is closer to commercial production because it's similar to what's used to make insulation board today in Germany and Switzerland.

Welcome Weekend Day of Service allows incoming students to give back to community

21 Aug 2017

More than 2,000 first-year University of Maine students are expected to volunteer for community projects as part of the eighth annual Welcome Weekend Day of Service on Saturday, Aug. 26. The Bodwell Center for Service and Volunteerism coordinates the Welcome Weekend Day of Service to provide opportunities for new students to learn about the community and classmates, all while giving back. Lisa Morin, coordinator of the Bodwell Center, says community service is an important part of UMaine's culture, and the Day of Service projects demonstrate how volunteering can enhance the UMaine experience. Led by 170 UMaine students, faculty and staff, first-year students will participate in more than 60 local, regional and international service projects on and off campus. In addition to providing valuable assistance to community organizations, the projects also offer time for students to bond with others in their residence hall, Morin says. This year's [projects](#) include:

- Grounds work at Hirundo Wildlife Refuge in Alton, Leonard's Mills/Maine Forest and Logging Museum in Bradley, Orono Land Trust, and Bangor Land Trust
- Cleanup of the UMaine bike paths, downtown Orono, Bangor Homeless Shelter, Old Town-Orono YMCA, and Harold Alfond Sports Arena and Stadium
- Gardening at Rogers Farm in Old Town, Penobscot Job Corps Center in Bangor, and community gardens in Orono, Hermon and Alton
- Playground maintenance and cleaning at schools in Bangor and Old Town
- Cooking casseroles and cleaning at the Ronald McDonald House in Bangor
- Visiting with veterans and cleaning up gardens at Maine Veterans' Home in Bangor
- Washing and restocking Down East Emergency Medical Institute (DEEMI) vehicles in Orono
- Stacking firewood and cleaning at Food AND Medicine in Brewer
- Creating pet toys for local animal shelters and fleece tie blankets for children who are homeless or in foster care
- Writing greeting cards and letters of encouragement to soldiers
- Packing meal, birthday, hygiene and school kits

Morin says some organizations, such as Hirundo, Maine Forest and Logging Museum, and the Old Town-Orono YMCA, are visited annually, while new venues are being added. Additions this year include assisting the Blue School in Bangor with a thorough cleanup and sorting costumes at Penobscot Theatre Co. "Finding enough work for 30-35 people for two hours can be difficult for many of our small, local nonprofits, but the extra hands can be very valuable," Morin says. "We are grateful to all of these organizations for hosting our students and giving them a taste of the joys of giving back, and we are grateful to all of our students for making such an enormous contribution to our community." Last year, approximately 2,100 first-year students volunteered for nearly 65 projects and logged 6,825 hours of service. UMaine was one of 240 colleges and universities in the United States selected to receive the 2015 Community Engagement Classification of the Carnegie Foundation for the Advancement of Teaching. The classification, which is valid until 2025, recognizes colleges and universities with an institutional focus on community engagement. The Day of Service culminates with the President's annual Dinner on the Mall from 5-6:30 p.m. In case of inclement weather, the dinner will be held in the Harold Alfond Sports Arena. Following the dinner, the Traditions Ceremony and Class Picture will be on Morse Field, Alfond Stadium. More information about the Welcome Weekend Day of Service is available on the Bodwell Center [website](#) or by calling Morin at 581.4194.

Maine Sea Grant launches Oyster Trail of Maine

18 Aug 2017

Maine Sea Grant at the University of Maine has launched the Oyster Trail of Maine, an educational initiative to raise awareness and appreciation for Maine oysters. The project is an ongoing initiative of Maine Sea Grant, University of Maine Cooperative Extension, Maine Aquaculture Association, Maine Aquaculture Innovation Center, In A Half Shell, and participating oyster farms. Printed and online maps show locations of Maine's 75-plus oyster farms, where to buy oysters, opportunities to tour oyster farms, and restaurants serving Maine oysters. More about The Oyster Trail of Maine is [online](#).

LaBouff interviewed for BDN piece about Native American sports mascots

18 Aug 2017

Jordan LaBouff, assistant professor of psychology at the University of Maine, was quoted in a Bangor Daily News [article](#) about Native American-themed sports mascots. LaBouff has studied the impact of such mascots with recent UMaine graduate Andrew Tomer, a member of Penobscot Nation. "I think this is really a challenging issue because 100 percent understand and appreciate the importance of community identity, and that gets tied up with school district mascots," said LaBouff. "Just because we can use speech that is harmful for others, just because speech is protected, doesn't mean it's valuable." Tomer said the mascots are fundamentally racist because they present a group in a way that's beneath a majority group and only in one particular way. "We're reduced down to these stereotypes of being vicious and bloodthirsty or aggressive. [The headdress represents] peace, and it's meant to be worn by a leader, and it's not something that is worn every day with regular clothing; it's a very special item," he said in the article.

BDN advances Belfast organ concert that features Birch

18 Aug 2017

The Bangor Daily News carried a release about Kevin Birch, a member of the music faculty at the University of Maine, being the featured organist at the 2017 Summer Organ Concert at 4 p.m. Sunday, Aug. 27, at The First Church in Belfast, United Church of Christ. Birch also is organist and director of music at St. John's Catholic Church in Bangor. The concert is free of charge; donations will benefit the Organ Maintenance Fund for the First Church George Stevens Organ, built in 1848, according to the release.

Sun Journal previews Franklin County 4-H Open Air Market

18 Aug 2017

The Sun Journal announced that Franklin County's 4-H Open Air Market is partnering with the Sandy River Farmers' Market to give 4-H members ages 5-18 an opportunity to sell produce, baked goods and other items from 9 a.m. to 1 p.m. Saturday, Aug. 26, in the District Court parking lot on Main Street in Farmington.

Smith quoted in BDN story on Penobscot River remediation project in Orrington

21 Aug 2017

According to a [Bangor Daily News](#) article, a federal judge is expected to decide next year on how to proceed with a court-ordered cleanup of mercury dumped in the Penobscot River for decades by the former HoltraChem chemical plant in Orrington. However the method of mercury removal is still being considered. According to Sean Smith, UMaine assistant professor in the School of Earth and Climate Sciences, digging up pollution and keeping it contained presents a challenge. Dredging the material could create a plume of contaminants that will flow with the current and while constructing a barrier around the affected area may be possible, keeping it stable as the river's current and tide fluctuate would be difficult. No matter the solution "you're dealing with a big problem and you want to make sure you don't create other problems along the way," said Smith., digging up pollution and keeping it contained presents a challenge. Dredging the material could create a plume of contaminants that will flow with the current and while constructing a barrier around the affected area may be possible, keeping it stable as the river's current and tide fluctuate would be difficult. No matter the solution "you're dealing with a big problem and you want to make sure you don't create other problems along the way," said Smith.

BDN runs release about Waldo County Extension meeting, highland Blueberry Farm tour

21 Aug 2017

The Bangor Daily News carried a release about the Waldo County Extension Association annual meeting and tour of [Highland Blueberry Farm](#) at 5:30 p.m. Aug. 30, at 94 Old County Road in Stockton Springs. The public event will begin with a farm tour, followed by snacks and a brief annual meeting, which will include an introduction to Cooperative Extension in Waldo County. The 2018 budget request will be part of the meeting, as will the election of new members and officers.

Penobscot Times notes name change to Clement and Linda McGillicuddy Humanities Center

21 Aug 2017

[The Penobscot Times](#) ran a release about the University of Maine Humanities Center's new name — the Clement and Linda McGillicuddy Humanities Center — that reflects the generous support of Clement McGillicuddy '64 and wife, Linda. They support the Humanities Center through a fund they established at the University of Maine Foundation. The two met in New York City while working in the computer industry, and are committed to giving back to a state that means a great deal to their family. "The University of Maine exposed me to many new situations, including an introductory course that required us to pick up and read The New York Times every day," said Clement McGillicuddy. "To this day, The New York Times feeds my deep interest in the human condition and how the world works. Many of my courses at UMaine, unrelated to my major, contributed to my curiosity and created a foundation for lifelong learning." The Clement and Linda McGillicuddy Humanities Center advances teaching, research and public knowledge of the humanities. By developing and supporting programs that engage art, literature, history, philosophy, politics and diverse cultures, the MHC aims to enrich the lives of all Maine citizens.

Coutts interviewed about mental health resources for UMaine student-athletes

21 Aug 2017

[New England Psychologist](#) carried a story about UMaine using one-time NCAA funds to launch a new program focused on mental health resources for student-athletes. According to Lynn Coutts, senior associate director of athletics, the impetus for the program came from student-athletes. Coutts said student-athletes indicated that sometimes they aren't comfortable talking to coaches about personal issues. Until now, if a student-athlete was struggling with anxiety or had another mental health concern, he or she would be sent to the school's counseling center. The new program will specifically be for the athletic department and under the sports medicine umbrella and will offer a collaborative unit of care with mental health professionals on the team.

Press Herald profiles UMaine food scientist

21 Aug 2017

The [Portland Press Herald](#) published an interview with Mary Ellen Camire, director of the UMaine Sensory Evaluation Center and professor of food science and human nutrition. Camire's research focuses on the relationships between consumers and Maine-specific food commodities, like seaweed, potatoes, berries and grains.

BDN cites Mallory on the potential of Maine malted barley in the state's expanding brewing industry

21 Aug 2017

UMaine research was cited in the [Bangor Daily News](#) feature, "How Maine could reap far more from the craft beer craze." The article explores Maine's growing barley industry and how it is being supported by the rapid growth of craft beer. According to a cited UMaine study commissioned by the Maine Brewers Guild, Maine's craft beer industry has grown by 25 percent since 2013 and is projected to grow another 41 percent by 2020. This growth, along with other budding niche markets, like specialty bread flour, is offering farmers new opportunities to sell their grain in the state at higher prices. According to the article, barley is a common cover crop for many of the state's agricultural fields. After water, malted barley is the most important ingredient in making beer. Ellen Mallory, associate professor with UMaine Cooperative Extension says that only 7 percent of the grain used in the production of Maine beer is grown in the state of Maine. "We have this incredible craft brewing industry in Maine, and Maine has a fabulous reputation for beer and grain," said Ellen Mallory. "Can we translate that into larger economic opportunity for the state?" Mallory is the only UMaine extension faculty member whose focus is to conduct grain research and outreach to Maine farmers. She is conducting trials on different varieties of barley that are ideal for malting and can thrive in Maine's climate. This research was highlighted at a recent barley workshop at UMaine's Rogers Farm. Attendees included farmers, researchers, brewers and maltsters. "(Mallory) is committed. She has a relationship with her farmers; there's a trust there. This is about relationships and people working together for a common goal," said John Rebar, executive director of the UMaine Cooperative Extension.

UMaine mentioned in Down East magazine article about 1963 eclipse

21 Aug 2017

Down East magazine shared a piece from its July 1963 edition titled "[Maine's Moment in the Sun's Eclipse](#)" about the last total eclipse in the state. In all of the U.S., the total eclipse only was visible in a thin strip in Alaska and a 53-mile path in Maine. Isabel Currier wrote: "At Orono, the period of totality will be just under one minute, but many observers, who are making the University of Maine their headquarters, will devote a number of days to related studies before and after the eclipse. Among these are Dr. James S. Haeger of the Florida State Board of Health and Dr. Erik T. Nielsen, internationally known entomologist from Denmark, whose researches will be directed at the swarming of mosquitoes in relation to the phenomenon. The largest single group to come to Maine for the event numbers about 1000 members, wives and guests of the Astronomical League, whose annual convention is being held at the University from July 15-21."

UMaine, UMM students conduct biomedical research during summer program

21 Aug 2017

Thirty-two summer fellows, including five University of Maine students and one University of Maine at Machias student, participated in the MDI Biological Laboratory 2017 summer fellowship program. The program provided undergraduates with hands-on research training in an advanced laboratory environment. On-campus co-curricular and residential life programs extended the impact of the programs, helping students develop professional skills and foster connections within the research community. Each student worked with a faculty mentor and other researchers on a specific research project in the biomedical field. [Maine INBRE](#), a network of 13 educational and research institutions led by the MDI Biological Laboratory, supported 20 of the summer fellows. The aim of Maine INBRE, which is funded through the National Institutes of Health, is to create a biomedical training and research ecosystem for Maine to catalyze innovation and drive the creation of 21st-century jobs for Maine students. The MDI Biological Laboratory has trained more than 2,100 students since the program's inception in 2001. UMaine and UMM students funded through the Maine INBRE program were: Rebecca Fernandez, Monmouth, Maine; University of Maine at Machias; research site: Bowdoin College; mentor: Patsy Dickinson, Ph.D., Josiah Little Professor of Natural Sciences, Bowdoin College; research topic: A comparative study of the stomatogastric nervous system in related crab species *Pugettia producta* and *Libinia emarginata*; Callie Greco, Greene, Maine; University of Maine Honors College; research site: University of Maine; mentor, Kristy Townsend, Ph.D., assistant professor of neurobiology, University of Maine; research topic: Tanycyte plasticity in the hypothalamus with the regulation of energy balance; and Laura Paye, Westfield, Massachusetts; University of Maine Honors College; research site: University of Maine; mentor: Rebecca Van Beneden, Ph.D., professor of biochemistry and marine sciences, University of Maine; research topic: The effect of embryonic arsenic exposure on the sensorimotor behavior of zebrafish (*Danio rerio*). Students funded through the National Science Foundation's REU (Research Experience for Undergraduates) program were: Stephan Jackson, Bingham, Maine; University of Maine; mentor: Vicki P. Losick, Ph.D., assistant professor, MDI Biological Laboratory; research topic: Determining the role of myosin in wound-induced polyploidization; and Matthew Oberholtzer, Cape Elizabeth, Maine; University of Maine; mentor: Vicki P. Losick, Ph.D., assistant professor, MDI Biological Laboratory; research topic: A study of cilia importance in zebrafish heart regeneration. One UMaine student was an undergraduate summer fellow at the MDI Biological Laboratory: Isaiah Mansour, Fairfield, Connecticut; University of Maine; mentor, Kevin Strange, Ph.D., president and professor, MDI Biological Laboratory; research topic: Red abalone hemocyanin as an alternative hapten carrier for vaccine. "The summer fellowship

experience gives students a leg up in their careers,” says Jane E. Disney, Ph.D., director of education at the MDI Biological Laboratory. “Not only do they gain valuable laboratory skills, they also get a sense of what working in a research laboratory is like and forge connections with faculty members and fellow students that will be maintained throughout their careers. In addition, these programs create the skilled workforce required to support the science and tech sectors of the economy.”

Mainebiz quotes McConnon in story about the Bangor Mall

22 Aug 2017

UMaine professor of economics, Jim McConnon was interviewed for a [Mainebiz](#) feature on changing retail trends at the Bangor Mall. With the closure of Macy’s, one of the mall’s four anchor stores, as well as several other smaller retailers, James Gerety, general manager of the Bangor Mall said evolution is necessary and exciting. McConnon said that the challenges faced by the Bangor Mall reflect trends in shopping malls nationwide. “There’s opportunity for malls to reinvent themselves and look at the ways in which they can better meet the needs of the customers,” said McConnon. Some of the trends McConnon identified that impact malls include a general shift to online shopping, an overabundance of retail space and changes in shopper demographics. However these shifts don’t spell the end of the traditional shopping mall. McConnon predicts that these trends will lead to a variety of changes: “Folks who are innovative in responding to those changes, and to the demographic changes, will be the ones who survive. We’ll still have malls. But like everything else in the economy, there have to be adjustments. There might be different things going on — different kinds of shops, different uses of technology and innovation — to be relevant to future consumers.”

WABI covers crowds of eclipse viewers at Emera Astronomy Center

22 Aug 2017

[WABI](#) (Channel 5) reported on the crowd of eclipse viewers at the University of Maine Emera Astronomy Center to view the eclipse. The 2017 eclipse was the first coast to coast solar eclipse in 99 years, and while Maine wasn’t in the direct path of the moon’s shadow, hundreds gathered at the Emera Astronomy Center to view the partial eclipse, WABI reported. Astronomy Center staff provided eclipse viewing glasses and special telescopes for attendees. David Sturm, UMaine instructional lab and lecture demonstration specialist in the Department of Physics and Astronomy said the event was an excellent opportunity to encourage kids to explore the unknown and ask questions of the universe. “It’s a great way to start the discussion of how does the moon go around the earth, how does the earth go around the sun,” said Sturm. Maine will experience a total solar eclipse in 2024.

‘No plan b’ cross-genre performance to premiere at Fort Knox

22 Aug 2017

“No plan b,” a cross-genre collaboration of movement, light, projection and sound, will premiere at Fort Knox and Penobscot Narrows Bridge and Observatory in Prospect on Aug. 24. The innovative production’s mix of art and technology has been under development for more than a year and was made possible by a research residency at the University of Maine’s Intermedia MFA program. The residency allowed Gene Felice, director of the Coaction Lab at UMaine, and choreographer Alison Chase to collaborate in the creation of the light, immersive projections and surround sound for the piece. The original music for “no plan b” was created by Franz Nicolay. Following four performances at Fort Knox, “no plan b” will be presented at Thompson’s Point in Portland with three performances beginning Aug. 31. “no plan b” will be held within a tent, which serves as a canvas for the production, and enables the performances to be held rain or shine. Tickets are \$25 and are available online and at the door. Ticket holders are encouraged to come early for refreshments; the venues open at 6 p.m. with performances beginning at 8 p.m.

Maine Hello parking, road closure information

22 Aug 2017

During Maine Hello, 8 a.m.–4 p.m. Friday, Aug. 25, about 2,500 students will arrive on campus to move into their residence halls for the academic year. High levels of traffic are expected on campus and through downtown Orono and Old Town. To accommodate the event, several parking lots and roads will be closed Aug. 23–27. The following parking areas will be closed Wednesday, Aug. 23 through Friday, Aug. 25:

- Hilltop Lot
- Stewart Quad
- Knox Lot
- Somerset Lot (closed through Aug. 27)

The following parking areas will be closed Thursday, Aug. 24 and Friday, Aug. 25:

- Tennis court
- Jenness Lot North and South
- Gannett/Cutler Lot
- York Lot
- Deering Lot (front half)
- Stewart Commons (closed Friday only)

The following parking areas will have limited access:

- Emera Astronomy Center, reserved for Hilltop employees only, Aug. 23–25
- New Balance Recreation Center, open only to Rec Center patrons, Maine Hello volunteers, and Hilltop employees who need handicap parking, Aug. 24–25
- Belgrade Lot and Collins Center for the Arts Lot, reserved for Maine Hello vehicles only, Aug. 25

Road closures and traffic pattern changes on Aug. 25:

- Long Road between Androscoggin Road and Knox Lot, closed both ways
- 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 Commons and York Lot, one-way flow westbound

For more information, call Parking Services at 581.4047.

Communication class project develops a UMaine bucket list for students

23 Aug 2017

This past spring, 23 University of Maine seniors in a communication course collaborated on a capstone project to create a useful resource for UMaine and its students for years to come. The project, “50 Things to Do Before You Graduate from the University of Maine,” is a UMaine bucket list for students by students. It was developed by Associate Professor of Communication and Journalism Claire Sullivan in collaboration with UMaine’s Division of Marketing and Communications. Undergraduates in Sullivan’s class conducted in-person interviews with 286 UMaine students in different majors and years in school to get their input to compile the list of 50 must-do activities and places to see. A goal of the 50 Things Project is to get students, including those new to UMaine, engaged in a range of activities and discovering the “hidden gems” on and off campus, said James Carroll of Cortlandt, New York. The list represents “how adventurous and appreciative” students are to be “in nature,” said Jessica Bergstrom of Belfast, Maine. “What surprised me the most was how many of my interviewees said ‘go to Acadia National Park,’” said Samantha Johnson of Randolph, Vermont. “It’s one of those places everyone mentions and even though it’s a little far away (45 minutes from campus), it’s something that everyone does or tries to do in the time they have here.” The 50 things list will be shared with incoming and current students, as well as alumni in a poster and a [website](#) developed by Marketing and Communications, said Sullivan. “This list can provide a fun way to explore and discover some of UMaine’s traditions, and to challenge students to break out of their comfort zones and be a part of some true UMaine experiences,” said Sullivan, who leads UMaine’s Engaged Black Bear digital badging initiative. Sullivan said this is a project she has thought about doing for many years. “Other universities have lists of events and activities to help students get involved and discover the best of the local community. I wanted a class project that could get all students excited and could potentially ‘give back’ to the University of Maine,” she said. Contact: Margaret Nagle, 207.581.3745

Morse to present at seminar: Aquaculture in the Gulf of Maine at Camden Yacht Club

23 Aug 2017

The Camden Yacht club is hosting a panel presentation featuring Dana Morse, Maine Sea Grant marine extension associate, Wednesday, Aug. 23 from 7–8:30 p.m. The panel will also include local kelp, scallop and oyster fishermen and farmers who are members of the Maine Aquaculture Co-op and are seeking to expand the seafood industry in Maine. Topics of discussion include: integrating fishing and farming, diversifying income opportunities, maintaining working waterfront and strengthening the coastal community. The talk is free and open to the public. More information is available [online](#).

Artists and naturalists explore the power of fire and forests

23 Aug 2017

The second installment of the three part Elemental Intersections series will be Friday, Aug. 25 at 5:30 p.m. at St. Patrick Church in Newcastle. The Elemental Intersections series explores the connections between art and contemporary environmental concerns. The event will feature the ceramic works of artist Jack Troy and a discussion with Nicholas Fisichelli, directory of forest ecology at the Schoodic Institute and Poly Mahoney, Maine Guide. “Art and science both arise from human creativity, and have inspired each other throughout history. Many scientists are influenced by artists; many artists create, interpret and react to scientific knowledge. In my work throughout Maine I see the power of images, sculptures and paintings to evoke and impress upon us how our climate is changing,” notes Esperanza Stancioff, University of Maine Cooperative Extension and Maine Sea Grant Climate Change Educator. The series, “Elemental Intersections,” is organized by the Watershed Center for the Ceramic Arts, in partnership with the UMaine Extension and the Maine Sea Grant. Funding is provided, in part, through a Creativity Connects grant from the National Endowment of the Arts. The event is free and open to the public. St. Patrick Church, at 380 Academy Hill Road, is a fully accessible venue. Sign language interpretation will be available; contact Watershed at 882.6075. More information is [online](#).

Estuary Beat features UMaine storm surge research

23 Aug 2017

The Island Institute’s [Working Waterfront Estuary Beat](#) featured the citizen science initiative of of Kim Huguenard, assistant professor of civil and environmental engineering, and Laura Rickard, assistant professor of risk communication. The project is focused in understanding the physical characteristics of estuaries which may intensify or attenuate the effects of storm surge events. According to the report, the researchers hope to establish a network of pressure sensors that will measure water levels and be maintained by local citizen scientists in the Bass Harbor, Penobscot River and Bagaduce River estuaries. “We’re currently recruiting individual who are both interested in participating and (ideally) who have access to waterfront infrastructure, such as a dock, on the penobscot,” said Rickers. The project is funded by UMaine SEANET. More information on how to volunteer is available [online](#).

Boothbay Register reports on squid research hosted at the UMaine Darling Marine Center

23 Aug 2017

The [Boothbay Register](#) and [Wiscasset Newspaper](#) published a story about squid research hosted at the Darling Marine Center (DMC). Throughout the summer, the DMC hosted a team of researchers from across the nation who were studying the muscles that control the unique and highly maneuverable movement of Atlantic longfin squid. Among the researchers was Joe Thompson, a professor of biology at Franklin and Marshall College and longtime summer researcher at the DMC. “In addition to understanding general principles of muscle physiology that apply to all animals, perhaps the principles

discovered in squids can also improve performance for remotely operated vehicles,” said Thompson. Other universities involved with the project included Old Dominion University and Southern Methodist University. “I’ve worked at a few different marine labs,” Thompson said. “The DMC is unique because the community is small enough to allow you to get to know everybody but large enough to make connections with people studying questions in basic and applied science. There aren’t a lot of places where you can have all this variety and a strong sense of community.”

Moran quoted in Press Herald story on Maine’s bumper peach crop

23 Aug 2017

The [Portland Press Herald](#) quoted Renae Moran, associate professor of pomology in the School of Food and Agriculture, in a story about this year’s highly successful peach crop. According to the article, peaches are difficult to grow in Maine and the crops for the past few years have been particularly unproductive. However, this year many growers are struggling to keep up with the peaches on their trees. Moran said it was the cold temperatures in January and February which helped this year’s crop. “It was a good winter for peaches because we didn’t have a week of temperatures in the 70s,” said Moran. “That’s what undoes peaches. It tells them that springtime is here, and they start growing too soon. Then we get another deep freeze and it kills the flower buds.”

Washington Post publishes op-ed on defunct website Gawker by Socolow

23 Aug 2017

[The Washington Post](#) published the opinion piece “Gawker has been gone for a year. We’ve never needed it more than now,” by Michael Socolow, an associate professor of communication and journalism at the University of Maine.

WLBZ, WABI cover UMaine marching band camp

24 Aug 2017

[WLBZ](#) (Channel 2) and [WABI](#) (Channel 5) covered the University of Maine’s Pride of Maine Black Bear Marching Band camp week. According to the report, band members will spend nearly 80 hours during the week training and practicing for the opening of their season. “A typical halftime show has three-quarters of a mile to a mile of marching in it,” said Christopher White, UMaine director of sports bands. UMaine’s 116 member marching band will be kicking off the American Folk Festival at 7 p.m. Friday, Aug. 25 in Bangor. [WVII](#) (Channel 7) also reported on the band opening the festival.

Maine Boats and Harbors publishes essay by Maine Sea Grant’s Schmitt

24 Aug 2017

[Maine Boats, Homes & Harbors](#) published the essay “Why We Love the Ocean” by Catherine Schmitt, communications director of the Maine Sea Grant. The essay describes the psychology behind human attraction to water and draws from a large and growing body of literature on the history, science and philosophy of human connections with the natural environment. Schmitt published a selected bibliography of this background literature on the Maine Sea Grant blog.

Mount Desert Islander advances panel discussion featuring Isenhour

25 Aug 2017

[Mount Desert Islander](#) reported Cindy Isenhour, UMaine professor of anthropology and climate change, and facilitator of the legislature’s Stakeholder Working Group to Address Food Waste in Maine, will participate in a panel discussion following a keynote address by U.S. Rep. Chellie Pingree at the College of the Atlantic Sept. 20. Other participants on the panel include Emily Horton, staffer for Pingree; Ryan Parker, farmer and environmental outreach coordinator for the Natural Resources Council of Maine; and Betsy Garrold, president of Food for Maine’s Future. The free public talks are part of COA’s annual Farm Day event.

NASA Earth Observatory features UMaine oyster research

25 Aug 2017

The [NASA Earth Observatory](#) featured an image produced by UMaine researcher as its image of the day: “Oyster Prospecting With Landsat 8.” The research, led by Jordan Snyder, a graduate research assistant in marine sciences, and Emmanuel Boss, professor of marine sciences, uses satellite data to identify areas along the Maine coast ideal for oyster aquaculture. With remotely collected data from the NASA Landsat 8 satellite, the researchers were able to derive sea temperature, chlorophyll concentrations and water turbidity along the coast of Maine and rank the each area’s suitability for successful oyster cultivation. According to the release, oysters grow rapidly in relatively warm water with high levels of chlorophyll, and low turbidity. Snyder said several oyster farmers are already using the maps produced by the research team. Based on the successes of the research thus far, the researchers suggest that the method could be adapted for other bivalve species and marine environments outside of the state.

Brewer speaks with WABI about Confederate monuments

25 Aug 2017

[WABI](#) (Channel 5) interviewed Mark Brewer, a political science professor at the University of Maine, about the removal of Confederate statues following the protests in Charlottesville, Virginia. According to the story, the protests sparked a dialogue on race relations and the contentious statutes that reflect our nation’s history. Brewer said that removing a monument isn’t likely to end the larger debate. “The one thing that you’re not going to do regardless of whether you remove a statue or rename anything, is eliminate racism in American history. And statue or no statue, you’re not going to change that,” said Brewer.

Stemming the tide: UMaine research targets browntail moth epidemic and brings relief to Maine's affected communities

28 Aug 2017

High in the trees, as soon as the first leaf buds begin to open in the early spring, browntail moth caterpillars emerge from their winter nests. The larvae voraciously feed on the young leaves with a particular appetite for hardwood species, including oak and apple. A heavily infested tree can contain over 1,000 nests, each home to upward of 400 hungry young caterpillars. While large infestations can cause serious harm — or even mortality — to the host trees, it's the small toxic, barbed hairs on the caterpillar's body that are of the utmost concern for public health, says Eleanor Groden, a professor of entomology in the School of Biology and Ecology at the University of Maine. The tiny hairs can induce painful poison ivy-like rashes and serious respiratory distress in those who come into contact with them. The irritating urticating hairs detach from the growing caterpillars and become airborne as they molt, settling on line-drying clothing, backyard picnic tables and patio furniture, and the ground surrounding the infested trees. Once in the environment, the hairs can retain their toxicity for three years. In some cases, just being outside in a heavily infested area imparts a risk for being affected, says Groden. Groden's research is focused on understanding the natural enemies of the browntail moth — the various parasitoids, fungi and viruses that target the caterpillars, and may be used to help curb the rapidly expanding moth populations affecting Maine's communities. UMaine's research is part of a larger initiative, one in collaboration with Charlene Donahue, an entomologist with the Maine Forest Service, as well as a growing network of concerned citizen groups who seek to monitor and identify new infestations and develop pest management strategies in areas experiencing an outbreak. "One of the things about this insect that makes it challenging to develop a research program is that right now, it's not impacting anyone outside of the state of Maine. That makes it more challenging to get the resources to work on this project," says Groden. "But because members of the community are willing and motivated to help in our project, it has helped us be able to address some of the issues with our research." The browntail moth is an invasive species that was introduced into northeastern North America in the late 1800s when it rapidly spread throughout New England before the populations collapsed in the 1920s and 30s. For decades their population was largely isolated to the tip of Cape Cod and a few islands in Casco Bay. In the 1990s small outbreaks began appearing at mainland sites in Maine's midcoast region. In the past several years, the population and range of the browntail moth has grown significantly. In 2005, more than 24,000 acres in Maine exhibited defoliation due to the caterpillars. Last fall, that number increased to nearly 64,000 acres with new outbreaks appearing in new areas of the state, says Groden. "We're seeing an expansion of this insect that we haven't seen in over 100 years," says Groden. The epicenter of the browntail moth epidemic has been largely centered around Merrymeeting Bay in Maine's central and midcoast regions, says Groden, however, new infestations are being identified throughout the state, including recent ones in Burnham and Eddington, and adult moths have been captured from southern Maine to far Downeast Maine, as well as areas farther inland in Millinocket. "I have a picture of a pupating browntail moth on a child's stroller, so they get moved around inadvertently by people travelling through the infested areas," says Groden "It's very possible that the infestations we have now in Burnham and Eddington may have resulted in pupae being moved into the area rather than moth flight." A single moth can lay up to 400 eggs. Without preventative measures outbreaks can spread quickly and many people who live in areas not historically affected by the insect may not know how to identify signs of an outbreak. According to the Maine Forest Service, in 2016, areas in the towns of Bowdoinham and Topsham were particularly hard hit. The issue prompted local citizens to organize and form the Bowdoinham Browntail Moth Task Force. Their mission is to educate homeowners and community members about the browntail moth and effective ways to help mitigate their population. The group works closely with members of the Maine Forest Service and researchers from UMaine. Groden and Kate Cutko, the library director of the Bowdoinham Public Library, are task force members. One of the most effective methods of control for homeowners is to prune the caterpillars web-like nests from the trees during the winter when they are most visible. "When we learned that people could clip the winter nests out of the low trees in their yard, the library went ahead and purchased a 16-foot pole pruner that could be borrowed by patrons, says Cutko. The task force also produced a short video on clipping the winter nests and hosts regional informational meetings at the library. They also created Midcoast Maine Browntail Moth Support, a social media group which helps disseminate browntail moth information throughout the state. "To be able to have (Groden) and (Donahue) on speed dial is a gift," says Cutko. (Groden) is one of the few people studying this problem and her research is vital to giving people hope that we will see the cycle, we will get to the other side of our daily life in Bowdoinham." Cutko says that many citizens in the area are helping to support and facilitate her research in any way they can, from sending her pictures of browntail moth activity to providing her access to infested trees on their property. "We need to have community support to address this issue because many of the areas impacted by this insect are private landowners. Their interest and willingness to support this project is what has enabled us to conduct our sampling program and help us identify areas we can monitor," says Groden. "Like all good public libraries we spread information," says Cutko, "and when we're lucky enough to have University of Maine scientists feeding us the latest information, it's a great collaboration." For more information about identification and management of browntail moths visit the Maine Forest Service's browntail moth informational [webpage](#). Contact Walter Beckwith, 207.581.3729

'Shadowland' one of many highlights of CCA's 2017-18 season

28 Aug 2017

"Shadowland" — a multimedia, projected shadow play with acrobatic dance and an original score — will launch the [Collins Center for the Arts](#)' 2017-18 season at 8 p.m. Saturday, Sept. 16. This year's [gala](#) presentation by Pilobolus is the dramatic story of a young girl's sensational world as she comes of age. "Shadowland" will be one of 20 live performances on the main stage. There will be Tony Award-winning and Grammy Award-winning shows, an illusionist, a comedian, marionettes, American country singers, an Irish musical quintet and Japanese drummers. "The 2017-18 season includes something for everyone, including music, theater, family shows, holiday concerts and the extremely popular Broadway musicals," says Danny Williams, CCA executive director. "It is our pleasure to provide a beautiful venue where our patrons can see performers up close and personal. Of course, parking is a breeze and everyone can take treats straight to their comfortable seats." "Shadowland" will be followed by the "Million Dollar Quartet" on Sept. 26. The Tony Award-winning Broadway musical was inspired by the famed, and only, recording session that brought together Elvis Presley, Johnny Cash, Jerry Lee Lewis and Carl Perkins. The fall 2017 slate also includes Aquila Theatre's "Hamlet" on Oct. 12; comedian Bob Marley on Oct. 14; The Cashore Marionettes on Oct. 15 (in Minsky Recital Hall); illusionist Jason Bishop on Oct. 27; British a cappella vocal ensemble The King's Singers on Nov. 5; the jaw-dropping beatboxing show "Gobsmacked!" on Nov. 16; fiddlers Natalie MacMaster and Donnell Leahy's "A Celtic Family Christmas" on Dec. 5; Broadway musical "Kinky Boots" on Dec. 7; and the Oak Ridge Boys' "Christmas Celebration Tour" on Dec. 19. The new year starts with the Yamato Drummers from Japan on Jan. 18, 2018. They will be followed by child prodigy jazz pianist Joey Alexander on Jan. 25; Erth's Dinosaur Zoo Live on March 4; Cirque Éloize's "Saloon" on March 11; Irish musical quintet Goitse on March 14; The Reduced Shakespeare Company's "The Bible (abridged)" on March 24; the 2014 Tony Award-winning Best Musical "A Gentleman's Guide to Love & Murder" on April 4; the Ukulele Orchestra of Great Britain on April 13; the Steep Canyon Rangers, who won a 2013 Grammy Award for Best Bluegrass Album, on April 21; and "Cabaret" on May 15. The John I. and Elizabeth E. patches Chamber Music Series concerts, held in Minsky Recital Hall, include: The Escher String Quartet on Sept. 24; Dutch vocal ensemble Cappella Pratensis on Oct. 13; pianist-composer Dan Tepfer on Dec. 10; Vienna Piano Trio on Feb. 18; and Palaver Strings, the musician-led string orchestra with Maine connections, on April 22. In addition to the live performances, the broadcast season will return with offerings from the Metropolitan Opera of New York (Met Opera HD Live) and National Theatre of London (NT Live). In Metropolitan Opera's Peabody and Emmy Award-winning series The Met: Live in HD, as many as 12 cameras capture the

onstage drama and backstage action. It's all transmitted from New York City to the Collins Center for the Arts. Broadcasts will include: "Norma" on Oct. 7; "Die Zauberflöte" on Oct. 14; "The Exterminating Angel" on Nov. 18; "Tosca" on Feb. 3; "L'Elisir d'Amore" on Feb. 10; "La Bohème" on March 3; "Semiramide" on March 10; "Cosi fan tutte" on March 31; "Cendrillon" on April 28; and "Luisa Miller" on June 2. National Theatre Live transmits the best of British theater via satellite to the CCA, which is projected onto a high-definition screen. Performances will include: "Twelfth Night" on Sept. 8; "Yerma" on Sept. 28; "Peter Pan" on Oct. 29; "Follies" on Dec. 1; "Salomé" on Jan. 12; Parts 1 and 2 of "Angels in America" — about New Yorkers grappling with life and death, love and sex, heaven and hell during the AIDS crisis — on Feb. 2 and Feb. 9, respectively; "Rosencrantz & Guildenstern are Dead," featuring Daniel Radcliffe and Joshua McGuire, on March 2; "Young Marx" on March 22; "Who's Afraid of Virginia Woolf?" on April 20; and "Julius Caesar" on June 1. For more details and to purchase tickets, visit the CCA [website](#).

WVII covers 'Meet the Black Bears' football clinic

28 Aug 2017

WVII (Channel 7) reported on the University of Maine football team's annual "Meet the Black Bears" free football clinic at Alford Stadium. Participants of all ages had the opportunity to meet players and coaches, get posters and autographs, and join the team for a pizza party.

AP cites economic impact study in report on civil legal aid services

28 Aug 2017

The Associated Press cited a University of Maine economic impact [study](#) in a report about how the state is looking for groups to provide free civil legal services to low-income and elderly residents. Experienced nonprofit organizations, legal aid clinics at law schools, and pro-bono programs are eligible to receive funding from the state's civil legal services fund, according to the AP. A 2016 report by UMaine economics professor Todd Gabe found that Maine legal aid providers secured about \$4 million in benefits from federal programs and \$2.4 million in federal grants, the AP reported. The report found such efforts created about \$13.4 million in economic activity and created dozens of full-and-part time jobs. [U.S. News & World Report](#), [Portland Press Herald](#) and [Biddeford Journal Tribune](#) carried the AP report.

Students create list of things to do before graduating UMaine, WVII reports

28 Aug 2017

[WVII](#) (Channel 7) reported on a capstone project created this past spring by 23 University of Maine seniors in a communication course. The project, "50 Things to Do Before You Graduate from the University of Maine," was developed by Claire Sullivan, an associate professor of communication and journalism, in collaboration with UMaine's Division of Marketing and Communications. "Some students got to their senior year and they had never done some of the things they really should have known about," Sullivan said. Undergraduates in Sullivan's class conducted in-person interviews with 286 UMaine students in different majors and years in school to get their input to compile the list of 50 must-do activities and places to see. "It lets me know what's in the area and things I can do off campus and on campus when I'm not studying or in classes," said first-year student Jordan Lamkins. Sullivan encouraged students to "get a little bit out of your comfort zone, try some new things, meet some new people."

Yarborough speaks with media about modest blueberry crop

28 Aug 2017

David Yarborough, a wild blueberry specialist with University of Maine Cooperative Extension, spoke with the Associated Press, Maine Public and [Ellsworth American](#) about Maine's wild blueberry crop. The AP reported the crop is likely to be much smaller this year than in recent summers because the industry is contending with troubles such as disease and a lack of pollination. Yarborough said "mummy berry" disease and other factors could cut the crop as much as 36 percent this summer, according to the AP. "I do expect to see significant reduction in harvest compared to the last few years," Yarborough said. "And it's probably going to end a little earlier than typical." One contributing factor is that many farmers brought fewer bees in the spring to pollinate their fields, Yarborough told the Ellsworth American. He said bees can be one of the largest operating costs, so farmers cut back to help ensure they would make money this season. Yarborough said overall, the number of hives ordered by farmers has decreased from 77,000 two years ago to 22,000 this year. ABC News, Boston Herald, [WABI](#) (Channel 5) and [Observer-Reporter](#) carried the AP report.

Federal grant funds ocean monitoring system, WABI reports

28 Aug 2017

[WABI](#) (Channel 5) reported the University of Maine recently was awarded a \$795,000 grant from the federal government for a buoy and high frequency radar operation to add to their ocean monitoring and studying programs. UMaine's School of Marine Sciences has been working on a real-time ocean observing system in the Gulf of Maine, WABI reported. Sea condition data collected with the buoy is used by many workers in the state, including lobstermen and aquaculture farmers, mariners, and the U.S. Coast Guard, according to the report. UMaine, which partnered with the Northeastern Regional Association of Coastal Ocean Observing Systems, is constantly innovating new ways to use the system and incorporate more data. U.S. Rep. Bruce Poliquin joined more than a dozen officials for a tour by sea of the buoy system after announcing the grant in a news release. [The Ellsworth American](#) covered the tour.

Flexible squid movement focus of summer research at DMC

29 Aug 2017

A visiting team of researchers studied features of muscles that control squid maneuverability this summer at the University of Maine Darling Marine Center. Squid move to capture prey, elude predators and compete for access to mates. The idea for the research sparked five years ago during a conversation among scientists Ian Bartol, Paul Krueger and Joe Thompson. "Squids are fascinating animals to study because they use two separate but coordinated propulsive systems to swim and turn — a pulsed jet and complex fin movements," says Bartol, an Old Dominion University professor who specializes in biomechanics of marine animals. "Together, these systems afford squid incredible locomotive flexibility, allowing them to navigate complex habitats, change direction

rapidly, or even ascend/descend vertically.” The scientists examined how muscle physiology changes with growth, and whether the changes affect squid maneuvering performances. “In addition to understanding general principles of muscle physiology that apply to all animals, perhaps the principles discovered in squids can also improve performance for remotely operated vehicles,” says Thompson, a biology professor at Franklin & Marshall College in Pennsylvania. The collaborative project approached mobility in Atlantic longfin squid (*Doryteuthis pealeii*) from different angles. Bartol’s lab applied hydrodynamics to study fin motion. Krueger, a professor of mechanical engineering at Southern Methodist University, provided expertise in movement of fluids around fins and arms of squid, as well as jet locomotion. And Thompson’s undergraduate interns — Rashi Anand and Hallie Keatley — looked at muscles of the fin and arms. “There is so much you can gather from invertebrates,” says Anand, a biology major at Franklin & Marshall College. “Even though the anatomy of humans and squids are different, you can apply so many things from invertebrates to human body.” Initially, the most challenging parts of the research for Anand and Keatley involved doing dissections, preparing muscle tissues and understanding the electronics used to measure muscle contractile properties. “There was a lot of trial and error,” Anand says. Thompson, who for 13 years has conducted research at the DMC, says he enjoys seeing students metamorphose from novices into skilled, competent scientists. “I’ve worked at a few different marine labs,” he says. “The DMC is unique because the community is small enough to allow you to get to know everybody but large enough to make connections with people studying questions in basic and applied science. There aren’t a lot of places where you can have all this variety and a strong sense of community.”

Media advances garlic growing workshop

29 Aug 2017

[Morning Ag Clips](#) and [Seacoast Online](#) reported the University of Maine Cooperative Extension Master Gardeners will offer a workshop on garlic growing from 6 to 7 p.m. Thursday, Sept. 21 at the Wells Reserve at Laudholm. UMaine Extension Master Gardener Volunteer Allan Amioka will review several types of garlic, as well as how to prepare, plant, care for and harvest the bulbs. A \$5 donation is requested at the event. More information is [online](#).

Koehler, McNerney quoted in Press Herald column on gardening during drought

29 Aug 2017

Glen Koehler, an associate scientist with the University of Maine Cooperative Extension, and Kathleen “Kookie” McNerney, a home horticulture coordinator with UMaine Extension, were interviewed for an article in the [Portland Press Herald](#) “Maine Gardener” column. The article focused on what gardeners can do to deal with drought conditions. This summer marks the second consecutive year coastal Maine has dealt with a shortage of rain, according to the article. But cooler weather has tempered the severity of this year’s drought, Koehler said. “The temperature this year been a little below average,” he said. “And moisture stress is highly affected by higher temperatures.” Established lawns, herbaceous perennials, shrubs and trees are not going to die as a result of the so-far-moderate drought that we have had this season, the article states. “We tell people they should do what they want, based on their comfort level,” McNerney said of her recommendations to home gardeners. Yes, the lawn will go brown and dormant, but it will green up again if we have fall rains, McNerney said.

BDN reports on cross-genre performance at Fort Knox

29 Aug 2017

The [Bangor Daily News](#) advanced the Aug. 24 premiere of “No Plan B,” a cross-genre collaboration of movement, light, projection and sound, at Fort Knox and Penobscot Narrows Bridge and Observatory in Prospect. The production was made possible by a research residency at the University of Maine’s Intermedia MFA program. The residency allowed Gene Felice, director of the Coaction Lab at UMaine, and nationally renowned modern dance choreographer Alison Chase to collaborate in the creation of the light, immersive projections and surround sound for the piece. Original music was created by Franz Nicolay. When Chase first imagined the show, she sought someone who could use light projections to turn a tent into a “fantastical, illusory playland in which her dancers could perform,” the article states. Owen Smith, director of UMaine’s Innovative Media Research and Commercialization (IMRC) Center, suggested Felice, a fellow new media professor. Felice works with high-definition digital projectors to “wrap” surfaces in projections, creating the illusion of 3-D images out of light, the BDN reported.

Johnson previews UMMA Tee Party on WABI

29 Aug 2017

Kat Johnson, education coordinator at the University of Maine Museum of Art in downtown Bangor, was a recent guest on [WABI](#) (Channel 5). She spoke about the museum’s Tee Party to mark the end of summer, which will be held 5:30–7:30 p.m. Thursday, Aug. 31. Guests — ages 21 and older — are asked to come dressed in their favorite T-shirt for a night of food, drinks, and music in the museum’s sculpture garden. A screen-printing station will be available for guests to create their own T-Shirt, and a prize for the best shirt will be awarded at 7 p.m. More information is [online](#).

Dixon, Klein part of solar group’s advisory committee, BDN reports

29 Aug 2017

The [Bangor Daily News](#) published an article about a new community group in Bangor that is aiming to reduce the cost of solar installations and make it easier for area residents to take steps toward renewable energy systems. The group, Greater Bangor Solarize, is a community effort led by an advisory panel of volunteers and a partnership between the city of Bangor and the Eastern Maine Development Council, according to the article. It operates as a group purchasing program and educational opportunity, where residents and small-business owners within 10 miles of Bangor can learn more about solar energy and work with a solar installation company that has been selected by the advisory committee, the article states. Greater Bangor Solarize’s six-person advisory committee was formed this spring and includes Daniel Dixon, sustainability director at the University of Maine, and Sharon Klein, an assistant professor of economics at UMaine.

Maine Edge previews CCA’s 2017–2018 season

29 Aug 2017

[The Maine Edge](#) advanced the Collins Center for the Art's 2017–18 season, which launches Sept. 16 with “Shadowland” — a multimedia, projected shadow play with acrobatic dance and an original score. The CCA is a foundational piece of the cultural bedrock of the region's creative community, the article states. “Sometimes, a theme will emerge organically from what we book,” said Danny Williams, CCA executive director. “This season is more of a continuation of the idea that we can try to have something for everyone. It's a broad slate of programming; a wide variety of acts of extremely high caliber.” The season includes four touring musicals — “Million Dollar Quartet,” “Kinky Boots,” “A Gentleman's Guide to Love & Murder” and “Cabaret” — that serve as a foundation which the rest of the season is constructed, according to [The Maine Edge](#). “It's a strong season for musical theater,” said Karen Cole, CCA associate director. “Everything is at a really high level.”

Springuel, Steneck to speak at Maine Marine Fare, Working Waterfront reports

29 Aug 2017

[The Working Waterfront](#), [Mount Desert Islander](#) and [The Republican Journal](#) advanced the Maine Marine Fare, a two-day symposium Sept. 9 and 10 at Penobscot Marine Museum in Searsport. The event will celebrate the products from Maine's fishing industry with talks, panel discussions, and educational demonstrations and tastings moving the discussion to what we consume, according to the article. Paul Greenberg, a James Beard Award winner and author of “Four Fish” and “American Catch,” will deliver the keynote address at 10 a.m. on Saturday. Following the keynote, Natalie Springuel from Maine Sea Grant will chair a panel surveying the Gulf of Maine's wild fisheries and current issues surrounding traditionally harvested species and sustainability, the article states. Bob Steneck, a professor of marine sciences at the University of Maine, is scheduled to be a panelist.

Kelly quoted in BDN article on powering Bangor region's economy

29 Aug 2017

Renee Kelly, assistant vice president for innovation and economic development at the University of Maine, was quoted in the [Bangor Daily News](#) article, “The hidden businesses that power the Bangor region's economy.” UMaine and other institutions connect different industries and players when they see a possibility for collaboration, according to the article. However, Kelly said, it can be done more systematically or strategically. There are roles for higher education, trade associations and government in cluster development, but, she added, “ultimately, clusters are developed around business relationships. So there has to be a level of organic buy-in to it, as well.”

Three undergraduates gain early admission to Tufts University School of Medicine

29 Aug 2017

Three University of Maine undergraduates have received early acceptance to Tufts University School of Medicine through the Maine Track Early Assurance program. Trevor Morin, a microbiology major from Scarborough, Maine; Drew Brooks, a microbiology and music double major from Lyman, Maine; and Austin Steward, a bioengineering major and Honors College student from Colebrook, New Hampshire, are all guaranteed spots at TUSM after they graduate from UMaine in 2019, if they maintain a 3.5 GPA or higher. Born of a partnership between Tufts and Maine Medical Center (MMC) in Portland, Maine Track Early Assurance reserves a limited number of seats per year for sophomores from University of Maine System institutions, as well as at Bates, Bowdoin and Colby colleges. The program, which was established in 2008 and accepted its first students in 2009, began with the hope that a significant number of its graduates will go on to practice medicine in Maine. Typically, the program accepts five to seven Maine students — this year, there were six. All UMaine students who applied were accepted. To be eligible, students must demonstrate academic excellence; have taken two semesters of biology, two semesters of general chemistry, and at least one semester of organic chemistry; and have attained a science GPA and a total GPA of at least 3.5. Competitive candidates also have volunteer or employment experience in a health care setting. Those accepted into the Early Assurance Program are not required to take the Medical College Admission Test (MCAT). Morin has performed two years of research in neurobiology professor Kristy Townsend's lab and has participated in the Maine Medical Center Research Institute's Summer Student Research Program and Medical Outreach Maine trip. The 2017 George J. Mitchell Peace Scholar also helps students learn organic chemistry through the Maine Learning Assistant Program and is a secondary provider with the University Volunteer Ambulance Corps. Brooks is researching fungal host-pathogen interaction under the guidance of microbiology professor Robert Wheeler. He has received a Frederick Radke Undergraduate Research Fellowship grant for his work with *Candida albicans* infections in zebrafish swim bladders. Beyond academics, he is a member of the Newman Center's Black Bear Catholic faith-based club, and sings with several groups including University Singers, Black Bear Men's Chorus and Oratorio Society. Steward is a Maine Space Grant Consortium award recipient for his research related to arsenic remediation from Maine drinking water, which he conducted in the lab of bioengineering professor Caitlin Howell. He also is a member of several groups on campus, including Alpha Tau Omega, America's Leadership Development Fraternity; Sophomore Owls Society; and Biomedical Engineering Society. As of August 2017, 15 UMaine students are enrolled at, or have graduated from or been accepted to TUSM through the Maine Track Early Assurance Program. Eighteen more UMaine students have enrolled in the traditional Maine Track Program. TUSM and MMC created the Maine Track Program in response to doctor shortages in rural areas. The program is designed to help students in and from Maine overcome barriers, including cost, to attend medical school as well as to create an innovative curriculum centered on rural community-based education. Contact: Elyse Catalina, 207.581.3747

New Balance Student Recreation Center celebrating 10 years

30 Aug 2017

The University of Maine and Campus Recreation are celebrating 10 years of the New Balance Student Recreation Center. Members of the UMaine community are invited to attend a kickoff anniversary celebration featuring speakers, refreshments and door prizes from 3–5 p.m. Sept. 6 at the center. The event will recognize the center for its contributions to UMaine and surrounding communities, as well as its prominence as a nationally ranked student fitness center. During the event, Campus Recreation will launch the Exercise is Medicine-On Campus initiative with a proclamation by UMaine President Susan J. Hunter, who will lead guests on a 1-mile walk. In addition, drawings will be held at the center on the 10th day of every month throughout the academic year. For more information, visit the Campus Recreation website or [Facebook](#) page.

Penobscot Bay Press advances presentation by Riordan

30 Aug 2017

[Penobscot Bay Press](#) reported a group called The Friends of Castine Fortifications will present Revolutionary War-era re-enactments and related activities at Fort George in Castine on Sept. 9 and 10. The aim is to show what life may have been like between 1779 and 1783, when British troops protected the Loyalists who had moved to the area, according to the article. The weekend will include music, food, history, family-friendly entertainment and presentations, including a talk by University of Maine history professor Liam Riordan at 5 p.m. Sept. 9. Riordan will discuss “Ambiguous Allegiances in Maine” in the 1954 Room at Maine Maritime Academy, Penobscot Bay Press reported.

New 4-H youth development professional named in Aroostook County, WAGM reports

30 Aug 2017

[WAGM](#) (Channel 8 in Presque Isle) reported Mari Glatter has been named a 4-H youth development professional with the University of Maine Cooperative Extension. The UMaine alumna will coordinate Aroostook County’s 4-H youth education program and develop and evaluate educational curricula, with an emphasis on STEM programming, according to the report. Glatter will focus on expanding 4-H youth development opportunities through new clubs and partnerships with school systems. She also will collaborate with UMaine Extension educators, faculty and community members statewide to support programming and expand the educational resource base for Maine youth, the report states.

VillageSoup reports on grad student’s involvement in Medomak Project

30 Aug 2017

[VillageSoup](#) reported Gabrielle Hillyer, a graduate student at the University of Maine, is deploying drifters to map tidal currents in the Medomak River as part of the Medomak Project. The drifters will measure temperature, salinity, light intensity, pH and dissolved organic carbon in an attempt to better explain the river’s currents and how any potential bacteria travel, according to the article. The drifters, which float with tidal currents, can be monitored remotely, and map out how long it takes for them to leave an area. The information collected is expected to affect the clamming industry, as it could influence the closure time of the flats, the article states. “This is the next phase of the Medomak Project,” said Glen Melvin, co-chairman of the Waldoboro Shellfish Committee and leader of the Medomak Project. “The Waldoboro Shellfish Committee is using every tool we have available to clean up our river.” Hillyer is conducting her research at the Senator George J. Mitchell Center for Sustainability Solutions. The Lincoln County News also published an article on Hillyer and the project in the Aug. 31 print edition of the paper.

Hutchinson leads group at New Hampshire compost workshop, Valley News reports

30 Aug 2017

[Valley News](#) covered a two-day municipal compost workshop in Croydon, New Hampshire. Workshop attendees included municipal employees, representatives of businesses and institutions, and entrepreneurs in the agricultural field, according to the article. Mark Hutchinson, a University of Maine Cooperative Extension educator and professor and instructor at the Maine Composting School, led the group in hands-on exercises. Participants also learned about municipal and institutional composting programs, what can be done with food waste before resorting to composting, compost biology, and New Hampshire’s composting regulations, the article states.

U.S. News & World Report cites Schwartz-Mette in column on recommended depression books

30 Aug 2017

[U.S. News & World Report](#) quoted Rebecca Schwartz-Mette, an assistant professor of psychology at the University of Maine, in the column, “Mental health experts recommend their favorite depression books.” Schwartz-Mette suggested “The Disappearing Girl: Learning the Language of Teenage Depression,” by Dr. Lisa Machoian. “This is a good book for individuals interested in shedding more light on the teenage girl’s experience of depression,” said Schwartz-Mette, director of the Peer Relations Lab at UMaine. “It is educational but also instructive, giving good tips for how to help teen girls in particular prevent and combat depressive symptoms. It’s based in scientific research but written for a lay audience. Likely good for parents, educators or other concerned caregivers.”

Dean of Students Robert Dana’s Aug. 29 statement concerning off-campus banners

30 Aug 2017

University of Maine Vice President for Student Life and Dean of Students Robert Dana provided the following statement Aug. 29 to detail the steps UMaine took beginning Friday, Aug. 25 when inappropriate banners at off-campus properties in Orono were first reported: Greetings: Thank you for writing to express your concerns over the objectionable banners that were attached to local dwellings last Friday. I am writing to confirm our stance on this issue and to assure all that we are responding vigorously to the banners and those who raised them. The banners have violated our norms of decency and they have offended, in every way, our sense of justice and equity. They have created an unwelcoming and unsafe environment. These expressions are completely at odds with who we are and what we are as a community. Incivility and sexism violate all of us and our core of decency, inclusivity and openness. Plain and simple, our commitment to each other as members of a caring community is central to what makes this a wonderful place to live and learn. No member of this community will be marginalized. It is essential that all people are dignified, respected and supported, and these banners certainly did none of that. The bottom line at the University of Maine is that discrimination of any sort is not tolerated and President Susan Hunter has written to our campus community reaffirming our values. While I can’t give all the details of our response, what has happened to this point includes the following:

1. When I heard about these signs Friday, I went to the houses with our police chief and asked that they be removed. Orono police also responded around the same time. The signs were either immediately removed or removed a short time later. The tenants or those who owned the sign talked to Orono police officials and were referred to our Conduct Office which will address the issue and levy sanctions as appropriate.
2. Over the weekend, I corresponded with some of the involved students after they reached out to me.
3. On Monday, I received a letter from one of the landlords and then spoke to that person. The landlords of one of the houses met with me today. We are in the process of identifying the other landlord.

4. Also on Monday, three of the involved tenants met with me and then separately with Elizabeth LaVoie, our deputy Title IX coordinator and coordinator of our Sexual Assault and Relationship Violence program; and David Fiacco, our director of community standards. The tenant and sign owner from one of the apartments were directed to come to the Conduct Office, and that is being scheduled, though the sign owner is not currently a UMaine student. They also will meet with Elizabeth LaVoie.

I am very disappointed that any of our students would engage in such defeating and sexist behaviors, and I assure you we are taking it very seriously. We will continue to work toward making this community welcoming and inclusive for all. Sincerely, Robert Q. Dana Vice President for Student Affairs and Dean of Students University of Maine 207.581.1406

Orono named one of 30 safest college towns in America

31 Aug 2017

Orono was again named one of the safest college towns in the country by [SafeWise](#), “the authority on home safety and security news.” Coming in at 25 on the 2017 list of “30 Safest College Towns in America,” Orono was cited as having 170 violent and property crimes reported in 2015 and “many public safety programs to ensure crime stays low.” “The university and the city it calls home equally commit to protecting both its citizens and natural resources,” the article states, adding community programs help protect the city’s most vulnerable residents: older adults and those with special needs or disabilities. “The University of Maine has a 150-year legacy that places it on multiple ‘best college’ guides every year,” SafeWise reported, adding UMaine is one of the nation’s top green colleges and focuses a bulk of its research in ecological areas. Orono also was included in the organization’s safest college town lists in 2015 and 2016. In compiling this year’s list, SafeWise security experts analyzed the most recent FBI crime statistics and sought out safety-oriented programs and initiatives in college cities throughout the nation. The full report is [online](#). SafeWise is a home security and safety brand committed to increasing safety education, awareness and preparedness in American communities. More about SafeWise is on its [website](#).

Lectures on Judaism, anti-Semitism Sept. 7–9

31 Aug 2017

Three lectures on Judaism and anti-Semitism will be offered Sept. 7–9 at the University of Maine and Congregation Beth Abraham in Bangor by Roger Brooks, Connecticut College professor emeritus of religious studies. All lectures are free and open to the public. Brooks is a widely published scholar of both biblical history and the Holocaust, and president of Facing History and Ourselves. His lectures are:

- “Jerusalem From Antiquity to the Present,” noon Sept. 7, Bangor Room, Memorial Union, followed by discussion.
- “Defining Anti-Semitism and Anti-Zionism,” 7 p.m. Sept. 7, Wilson Center, 67 College Ave., Orono, followed by discussion.
- “Reconciling Jewish Theology with the Holocaust,” 12:45 p.m. Sept. 9, Congregation Beth Abraham, 145 York St., Bangor, after the Sabbath service and a brunch.

The lectures are sponsored by Hillel at the University of Maine, UMaine’s Judaic Studies Program and Cultural Affairs/Distinguished Lecture Series Fund, Congregation Beth Abraham, and Bangor JCEA. More information is available by calling 947.0876.

Gallandt mentioned in Wicked Local Westwood gardening column

31 Aug 2017

Eric Gallandt, a professor of weed ecology and management at the University of Maine, was mentioned in the [Wicked Local Westwood](#) column, “The Addicted Gardener: Preparing for the end of summer.” Although summer is winding down, work continues in the garden, the author wrote. She wrote that weeds continue to flourish and require constant attention, citing an experiment by Gallandt that aimed at farmers struggling to keep weeds under control. “What he learned is that cultivation is more effective in dry soil conditions,” the column states. “Physical weed control generally relies on slicing, uprooting or burying small seedlings. In moist soil conditions, seedlings are more likely to re-root and continue growing. So if you are using a cultivator such as a scuffle hoe, weed when the ground is dry.”

VillageSoup reports on Maine Healthy Beaches Program at Lincolnville Beach

31 Aug 2017

[VillageSoup](#) reported on recent water samples taken at Lincolnville Beach to test for bacteria. Samples are drawn from the ocean once a week on Tuesdays at Lincolnville Beach for the Maine Healthy Beaches Program, according to the article. The samples are tested at the University of Maine Cooperative Extension in Waldoboro, and results are released Wednesdays. The program considers 104 colonies per 100-milliliter sample of marine water to require an advisory recommending no swimming activities or water contact, the article states. The Maine Healthy Beaches Program is a statewide effort to monitor water quality and protect public health on Maine’s coastal beaches. Funded by the U.S. Environmental Protection Agency, the program is a partnership involving municipalities, state parks, the University of Maine Cooperative Extension/Sea Grant, Maine Department of Environmental Protection, state and federal agencies, nonprofit organizations, and citizen volunteers.

Gardner, Women’s Resource Center co-director write op-ed for BDN

31 Aug 2017

Susan Gardner, director of the Women’s, Gender, and Sexuality Studies Program and the Rising Tide Center at the University of Maine; and Samantha Saucier, an undergraduate student and co-director of the Women’s Resource Center at UMaine, wrote an opinion piece for the [Bangor Daily News](#) titled, “Misogynist banners normalize campus rape culture. There’s nothing funny about that.”

Rogers Farm Demonstration Garden to host Fall Field Day Sept. 9

01 Sep 2017

University of Maine Cooperative Extension Master Gardener Volunteers will celebrate the growing season with a field day 10 a.m.–1 p.m. Saturday, Sept. 9 at Rogers Farm Demonstration Garden, 914 Bennoch Road, Old Town. The field day will feature garden workshops, activities, live music and homemade food. Workshop topics include growing grapes and cutting flowers for the home landscape. Ongoing demonstrations throughout the garden by area experts will focus on improving soil quality, composting, dividing peonies, managing pests and plant pathogens, and wise water-use strategies. Tours of the garden, door prizes and children’s activities, including a scavenger hunt, also will be offered. Cut flowers will be available for sale. The family-friendly event is free and open to the public, and will be held rain or shine. No registration is required. For more information or to request a disability accommodation, contact Laurie Bowen at laurie.bowen@maine.edu, or Kate Garland at katherine.garland@maine.edu, 942.7396.

UMaine community to compete in Outdoor Nation Challenge

01 Sep 2017

Members of the University of Maine community are encouraged to participate in the Outdoor Nation Campus Challenge to become the “most outdoorsy” school in the country. The challenge is a competition where more than 90 schools nationwide go head-to-head to participate in the most outdoor activities from Sept. 18 through Oct. 15. Each school gains points when students, faculty, staff, alumni and local community members get outside. The school with the most points will win the National Outdoor Championship. During the monthlong competition, Maine Bound Adventure Center will offer five free events, including a kickoff Sept. 18 with the L.L. Bean Bootmobile, Paddle Fest on Sept. 23 in the Steam Plant Lot, a presentation by mountaineer and author Ed Webster on Sept. 29, Climbathon at Maine Bound on Oct. 5, and a Headlamp 5K trail run Oct. 13. Maine Bound is hosting the events with several UMaine groups, as well as local sponsors, including Acadia Mountain Guides, Alpenglow Adventure Sports, and Clifton Climbers Alliance. To participate in the challenge, [download the Outdoor Nation App](#) and start logging outdoor activities daily during the challenge month. More information on events and participation is [online](#).

Penobscot Times publishes Welcome Weekend Day of Service photos

01 Sep 2017

Photos of students power washing, scraping and painting buildings in Old Town during the University of Maine’s Welcome Weekend Day of Service were featured in the Aug. 31 print edition of The Penobscot Times. More than 2,000 first-year UMaine students were expected to volunteer for community projects as part of the eighth annual event. The Bodwell Center for Service and Volunteerism coordinates the Welcome Weekend Day of Service to provide opportunities for new students to learn about the community and classmates, all while giving back.

Mainebiz reports on MDI Biological Lab summer program

01 Sep 2017

[Mainebiz](#) reported 32 summer fellows, including five University of Maine students and one University of Maine at Machias student, participated in the MDI Biological Laboratory 2017 summer fellowship program in research and lab facilities across the state. Twenty of the participants were supported by Maine INBRE, a network of 13 Maine educational and research institutions led by the laboratory, according to the article. Maine INBRE, the IDeA Network of Biomedical Research Excellence, is funded through the National Institutes of Health to help foster biomedical training and research in the state. The 20 interns supported by INBRE worked at the campuses of INBRE partners, including UMaine; Bates, Bowdoin and Colby colleges; The Jackson Laboratory; and the Eastern Maine Medical Center Cancer Care facility in Brewer, according to the article.

BDN cites Bayer, Lobster Institute in article on white lobster caught in Gulf of Maine

01 Sep 2017

The [Bangor Daily News](#) spoke with Bob Bayer, executive director of the University of Maine’s Lobster Institute, for an article about a white lobster that was caught last week off the north side of Maine’s Chebeague Island. Albino lobsters, which are totally devoid of pigment and would remain white even when cooked, are vanishingly rare, according to Bayer. While most lobsters are a brownish green, there are other naturally occurring shell colors that lobsters pass along to offspring, according to the article. About one in every 10 million live lobsters has a red shell, one in about 30 million has a yellow or calico-spotted shell, and other color combinations are even more rare, according to the Lobster Institute. Albino lobsters are about one in 100 million, the article states. Bayer said the lobster that was recently caught probably wasn’t a true albino, but possibly blue, which is relatively more common — about one in 2 million. When blue lobsters molt, their new shells initially appear whitish and only gain the bright blue color over time as the crustaceans pick up pigment from their food, he said, noting a faint blue hue in photos of the lobster. [Tech Times](#) also quoted Bayer, and [WGME](#) (Channel 13 in Portland) carried the BDN report.

Earth Touch News Network quotes Harrison in report on Canada lynx in Maine

01 Sep 2017

Daniel Harrison, a professor of wildlife at the University of Maine, was quoted in a [Earth Touch News Network](#) report about two Canada lynx that were caught fighting on video in the middle of a road near Kokadjo. Harrison, who has researched lynx habitat ecology, said he suspects the scene represents a “territorial stare-down.” The noisy standoff without physical contact is typical of felids, Harrison noted. “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,” he said. The noises the two lynx made are “part of the intimidation” to proclaim their relative dominance, Harrison said.

Darling Marine Center awarded \$1.5M to support aquaculture, media report

01 Sep 2017

The [Portland Press Herald](#), [WABI](#) (Channel 5) and Associated Press reported the University of Maine Darling Marine Center in Walpole was awarded \$1.5

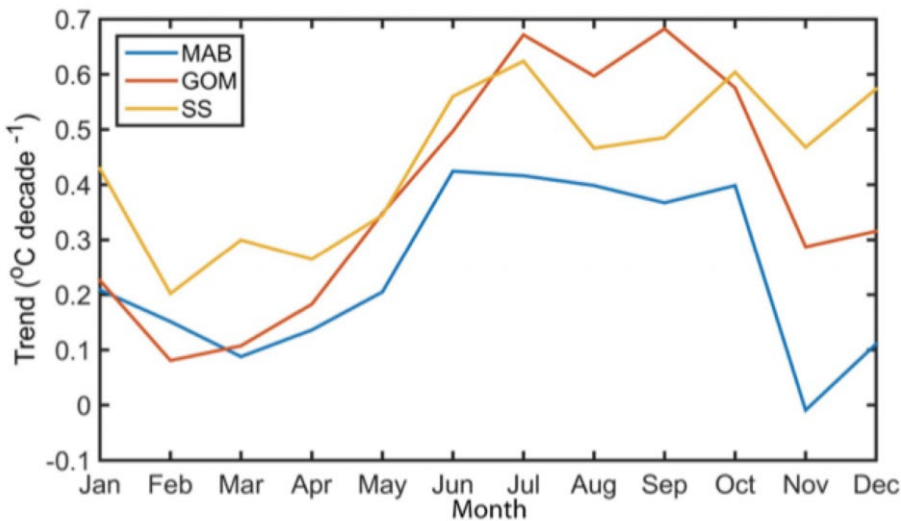
million from the U.S. Department of Commerce to support the development of Maine’s aquaculture industry. The funds will help the center demolish and replace its deteriorated pier, renovate the Flowing Seawater Laboratory, upgrade the flowing seawater system, and add three new business incubation laboratory spaces, the Press Herald reported. The improvements will ensure the continuing availability of marine environmental and ecosystem data essential to the management of Maine’s coastal fisheries, and the long-term health as well as sustainability of the commercial fishing economy, according to the Economic Development Administration, which announced the funds in a [news release](#). Maine’s aquaculture industry was valued at \$7 million in 2016, but analysts predict it can grow to over \$30 million by 2030 with proper investment, according to the Press Herald. U.S. Rep. Bruce Poliquin, Sen. Susan Collins and Sen. Angus King also announced the funds. “For more than five decades, researchers and students at UMaine’s Darling Marine Center have provided marine environmental and ecosystem data that is critical to our state’s commercial fishing and aquaculture industries,” King and Collins said in a [joint statement](#). “We are delighted that this investment will allow the center to continue its important work as well as expand job opportunities in the aquaculture and technology sectors in the region.” Miami Herald and [U.S. News & World Report](#) carried the AP article.

Longer, stronger summers in the Gulf of Maine

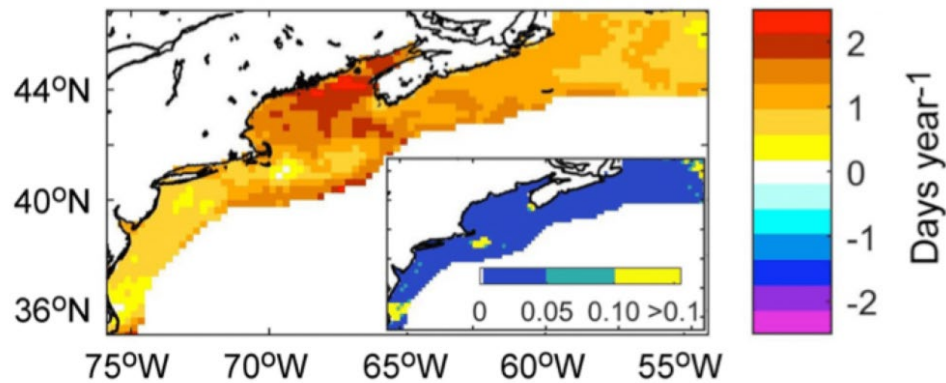
05 Sep 2017

Summer is coming to the Gulf of Maine, longer and warmer than ever — as much as two months longer. That’s the message of a new research article by a team of scientists led by Andrew Thomas of the University of Maine School of Marine Sciences. The [study](#), published in the journal *Elementa*, examined the seasonality of sea surface temperature trends along the northeast coast of the United States. For all but a small region immediately north of Cape Hatteras at the southern edge of their study area, the researchers confirmed that surface water temperatures have an increasing trend over the last three decades, with the Gulf of Maine warming at about 0.4 degrees Celsius per decade. The new analysis both mapped the geographic pattern of these trends and showed that the increase is actually much stronger than this in the summer and early fall months, from June to October, and weaker in the winter months.

<https://youtu.be/iwsO7h3kcW4> [Read transcript](#) The research builds on previous work by Thomas and his colleagues, including Andrew Pershing and Katherine Mills of Gulf of Maine Research Institute, and others from Bigelow Laboratory, Stony Brook University and NOAA. In a widely cited 2015 paper in *Science*, these authors analyzed sea surface temperature data showing that the Gulf of Maine region exceeded the global average of rate of warming over the last 30 years and noted that over the past decade the Gulf of Maine warmed faster than 99.9 percent of the global ocean. Looking at details behind these trends was a logical next step. They were motivated by several questions: Do overall warming trends occur equally throughout the year, or do they occur primarily in a particular season? Which regions are the most susceptible or resilient to changes in sea surface temperature? With funding from the National Science Foundation and NASA, they took a higher resolution version of the same set of data — 33 years of satellite measurements — and zoomed in on the northeastern North American continental shelf region. Then they separated the data into months, so they could quantify and map seasonal trends. Their results showed patterns in space and over the seasonal cycle that were not evident in earlier studies. [caption id="attachment_56963" align="aligncenter"]



Temperature trends (in degrees Celsius per decade) for the recent 33-year period (1982–2014) in each month, averaged over the surface waters of the Mid-Atlantic (MAB), Gulf of Maine (GOM) and Scotian Shelf (SS). While all months show increasing temperature trends, these data show the large seasonal difference in when, during the year, the largest changes are taking place. Summer, defined as the number of days above a specific temperature each year, has lengthened throughout the region. This trend was especially strong in the Gulf of Maine. While driven by both earlier springs and later falls, in the Gulf of Maine, steadily delaying fall timing was the main factor. “The change rate is an increase of two summer days per year, so over the 33-year time series,” said Thomas, “it has added up to 66 days. Summer conditions in the Gulf of Maine now last about two months longer than in 1982. That’s frightening.” Frightening, because temperature acts as a cue for the behavior and distribution of many marine species important to Maine culture and economy. How has the lengthening summer affected lobster, cod or herring? “I’m an oceanographer, not a fish biologist,” said Thomas. “But my fisheries colleagues on the team looked at that, and in a separate paper we showed that longer summers were linked to northward shifts in the fall population centers of American lobster, Atlantic herring and Atlantic mackerel.” Lobster and herring also increased in population sizes or total biomass, as did summer flounder, Acadian redfish and spiny dogfish. For other species, including cod, the lengthening summer warm period was associated with a decline in biomass. The satellite records used for these studies provide temperature data for the surface of the ocean. Is it the right indicator for bottom-dwellers like cod and lobster? According to Thomas, on the relatively shallow Atlantic shelf, over multiple years, the surface trends correlate with temperatures deeper in the sea. For example, while the data records are not nearly as long, the Northeastern Regional Association of Coastal Ocean Observing Systems buoy in the middle of Jordan Basin, which measures temperatures from the surface down to a depth of 250 meters, shows less annual variability but similar long-term warming in the deep water. [caption id="attachment_56965"]



align="aligncenter" width="646"] SST phenology trends over the study area for the 33-year study period, shown as the trend in the duration (number of days) of summer at each location. Summer is increasing in duration at all locations, with some places in the Gulf of Maine increasing at a rate of over two days per year. The inserts maps the probability (p values) that the rate slope is equal to zero. [caption] “The temperature trends we see in this area are among the largest on the planet,” said Thomas. “Two main drivers are likely at play. The Gulf of Maine is at the crossroads of two major large-scale processes, both of which are impacted by climate change. Our shelf is downwind of the jet stream coming off the continent. North or south shifts in jet stream position translate into changes in atmosphere-ocean heat transfer that heat and cool the shelf water.” In his study, Thomas showed that both higher atmospheric pressure and warmer air temperatures in spring and summer were linked to the longer summer season in the sea. The second process is the transport of ocean water. The Gulf of Maine is connected to the global ocean by currents, and much of the seawater in the Gulf originates farther north. These waters, the Labrador Sea and adjacent coastal shelves, are also among the most rapidly warming regions. To the south, the position of the Gulf Stream also has influence; Thomas showed that northerly shifts in the warm Gulf Stream were associated with longer summers in the Gulf of Maine. A lengthening ocean summer has important biological ramifications. In summer, a shallow layer of sun-warmed but nutrient-poor water floats on top of denser, colder, nutrient-rich water. The breakdown of this structure as temperatures cool in the fall releases nutrients from the deep water that help trigger fall phytoplankton blooms that support the rest of the marine food web. But the cooling that usually happens in fall and early winter has weakened and arrives later, extending the stratification period. “Stronger and longer summer stratification means weaker mixing and fewer and delayed nutrients coming to surface, a trend that will eventually mean the Gulf of Maine becomes less productive,” said Thomas. Thomas also noted that with the whole northeast Atlantic shelf staying much warmer later into the fall, any hurricane arriving in this period would remain stronger than if it had occurred decades ago. Thomas and his team are now working on applying the same seasonal analysis to the whole North Atlantic and other regions of the North American continental shelf. Contact: Catherine Schmitt, 207.581.1434

Transcript

Andrew Thomas: The key question that we were interested in was trying to understand some of the details of how global warming is impacting the continental shelf in the Gulf of Maine and along the eastern seaboard. Are the changes we're seeing spread evenly over the year or are they focused on one season or another? And those changes, how do they change the seasonal cycle? Because those changes in the season cycle have a direct impact on our ecosystem. What we found was quite astonishing actually. Most of the changes we see in temperature, which are all increasing, are actually focused at the end of the summer. So July, August, September are warming very rapidly and winter months are not warming nearly as rapidly and this is especially strong in the Gulf of Maine. The second thing we saw was that, accompanying that seasonal difference in when the temperature trends are strong is a shift in the seasonal cycle. And the main thing we found is that summer is getting longer. It's not the winter that's changing so much, but summer is getting longer. Summer is getting longer in the Gulf of Maine on the order of two days per year. So every year summer is getting longer by two days on average than it was the year before. We have about 33 years of data so looking at that time period you can actually say that the summer in the Gulf of Maine is two months longer than it was back in the early 1980s. Having longer summers means that certain species are better adapted and well adapted to that and other species are not so well adapted. So we are seeing shifts in the distribution of species in where they are and how they behave. We are also seeing a shift in how the deep water, which has all the nutrients, is connected to the upper water. As the Gulf of Maine changes we are going to see different species are successful, some species are not successful. We will see shifts in both the biomass and the distribution of these species. It also has ramifications for things like viruses and bacteria. They like warm areas and so those pathogens may live longer and last longer. A warmer shelf means that hurricanes approaching in the late fall are going to be impacting warmer water. We know cold water slows down hurricanes and so hurricanes coming ashore will come ashore more powerful than the same sort of hurricane 20 or 30 years ago. The Gulf of Maine and our continental shelf is changing very fast and we will have to adapt to those changes if we want to continue to use the Gulf of Maine to maximum advantage for ourselves. [Back to post](#)

Longtime UMaine Detective Chris Gardner honored posthumously

05 Sep 2017

Former Maine Drug Enforcement Agent and longtime University of Maine Police Department Detective Chris Gardner, who died last year, has been honored by the U.S. Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF), the Maine Department of Public Safety announced. Gardner was posthumously honored for his work on a major federal firearms and drug investigation that involved Connecticut and Maine. The three-year investigation was dubbed “Operation Blood Red” and began in 2013. Each year, one case is selected from all cases investigated by ATF across the country to receive the Director’s Award. Gardner had been a member of UMaine PD for 27 years, rising to the rank of detective sergeant. For more than seven years, he also worked as a special agent with the North Central Task Force of the Maine Drug Enforcement Agency. Gardner passed away unexpectedly Nov. 15, 2016 in a Bangor hospital. He was 47.

Author, Professor Emeritus Ford passes away

05 Sep 2017

Elaine Ford, an author and professor emeritus of creative writing and literature at the University of Maine, passed away Aug. 27. Ford published five novels and many short stories, according to her [New York Times](#) obituary. Ford's tales "found their power in details and in ordinary, believable characters, often working women in Massachusetts or Maine who were confronting the consequences of choices made and paths not taken," her NYT obituary states. Ford's friend and former UMaine colleague, Harvey Kail, called her "a truly dedicated teacher," and told the [Press Herald](#) she was instrumental in shaping the department's creative writing program. "She was both sardonic and charming simultaneously," Kail said. The Boston Globe also published an obituary on Ford.

UMaine detective, MDEA agent given posthumous award, BDN reports

05 Sep 2017

The [Bangor Daily News](#) reported former Maine Drug Enforcement Agent and longtime University of Maine Police Department Detective Chris Gardner was honored posthumously last month for his role in "Operation Blood Red," a federal firearms and drug investigation that led to the arrest of 32 people. Gardner of Veazie was a 27-year veteran of the UMaine Police Department. Until his sudden death in November at the age of 47, Gardner was on assignment with the Maine Drug Enforcement Agency for 10 years, according to a press release issued by the Maine Department of Public Safety. He and others were honored in Washington, D.C., with the Director's Award from the U.S. Bureau of Alcohol, Tobacco, Firearms and Explosives for their work on the operation that led to the arrest and successful prosecution of members of a violent Connecticut street gang, the BDN reported.

Newspapers publish Labor Day op-ed pieces by Scontras

05 Sep 2017

The [Portland Press Herald](#), [Bangor Daily News](#) and [Sun Journal](#) published Labor Day opinion pieces by Charles Scontras, a historian and research associate at the University of Maine's Bureau of Labor Education.

Yerxa quoted in BDN article on feeding babies, supporting women

05 Sep 2017

Kate Yerxa, a statewide nutrition and physical activity educator with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for the article, "When it comes to feeding their child, experts say mothers need more support, less judgment." Some mothers have a more difficult time successfully breastfeeding, which could amplify their anxiety about feeding their child in public, according to Yerxa. Having a plan and thinking ahead is a good way to try to prevent anxiety, Yerxa said, citing examples such as asking others where a more discrete place to breastfeed might be, or pumping and bottling breast milk to use in public. Mothers who choose not to breastfeed can often feel ostracized for their decision, according to Yerxa. "The conversation needs to be around supporting women and how they choose to feed their baby and encouraging parents to feed their babies in the best way they can," she said.

New York Times interviews Sorg about body found near Brooklyn dock

05 Sep 2017

[The New York Times](#) cited Marcella Sorg, a forensic anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine, in an article about a body that was found tied to a cinder block near a Brooklyn dock. According to police, the body had "some level of decomposition." The depth at which the body might have been submerged could have slowed the decomposition, since deeper water is colder, according to Sorg, who has more than 40 years of experience working with medical examiners. The tarp wrapped around the body could also have an impact, she said. "When they're wrapped like that, depending on how well they're wrapped, it protects the body from scavengers and being pulled part," said Sorg, who added a storm surge might have displaced the body to a shallower area.

Politico cites Socolow's research in article on op-ed pages

05 Sep 2017

Research conducted by Michael Socolow, an associate professor of communication and journalism at the University of Maine, was cited in the [Politico](#) article, "The New York Times op-ed page is not your safe space." The article cites Socolow's [2010 article](#) about the history of the NYT op-ed page, "A Profitable Public Sphere: The Creation of the New York Times Op-Ed Page." The author wrote that Socolow's "deeply researched piece," shows that from the time its top editors started thinking about adding an op-ed section in the early 1960s, the idea was to use outrageous views to trigger reactions from readers. Socolow's piece also was cited in the [Splinter](#) article, "Who is The New York Times' woeful opinion section even for?"

AP reports on Groden's browntail moth research

05 Sep 2017

The Associated Press reported on browntail moth research being conducted by Eleanor Groden, a professor of entomology in the School of Biology and Ecology at the University of Maine. The browntail moth's caterpillars have toxic hairs that can cause respiratory diseases and rashes that resemble poison ivy, the AP reported. Groden is looking into how natural enemies of the invasive moth, including fungi and viruses that target the caterpillars, can help slow the caterpillars' growing range, according to the AP. Groden's research is part of a larger initiative to monitor and manage the moths. The [Portland Press Herald](#), [WLBZ](#) (Channel 2), [NECN](#) and [Clay Center Dispatch](#) of Kansas carried the AP report. [WVII](#) (Channel 7) also reported on the research.

Memorial service for John Scofield set Sept. 9

06 Sep 2017

Friends and family of John Scofield are invited to attend a memorial service at 1:30 p.m. Sept. 9 at Buchanan Alumni House. A reception will follow. Scofield, a network engineer at the University of Maine, passed away Aug. 27 after a battle with cancer. His full obituary is [online](#).

Call for proposals to support UMaine events

06 Sep 2017

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. Past awards have supported lectures, Culturefest, the International Dance Festival, exhibits, performances and guest artists. The next application deadline is Sept. 25 for projects starting on or after Oct. 25, 2017. 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 is [online](#). The CA/DLS Committee accepts applications four times a year. The other grant deadlines are:

- Nov. 27, 2017 for projects starting on or after Dec. 26, 2017
- Jan. 29, 2018 for projects starting on or after Feb. 26, 2018
- March 26, 2018 for projects starting on or after April 23, 2018

WABI advances Rogers Farm Fall Field Day

06 Sep 2017

[WABI](#) (Channel 5) reported the University of Maine Cooperative Extension Master Gardener Volunteers will celebrate the growing season with a field day 10 a.m.–1 p.m. Saturday, Sept. 9 at Rogers Farm Demonstration Garden in Old Town. The event, which is free and open to the public, will feature garden workshops, activities, live music and homemade food. Attendees also will be able to learn how to manage pests, grow grapes and divide peonies, WABI reported. [WVU](#) (Channel 7) also previewed the event.

Mount Desert Islander reports on UMaine, COA study on beekeeping, maple production

06 Sep 2017

[Mount Desert Islander](#) reported on a joint project between the University of Maine and College of the Atlantic to study small- and medium-scale honey and maple syrup production in the state. The three-year project was awarded \$498,462 by the United States Department of Agriculture in May. Jessica Leahy, a professor in UMaine's School of Forest Resources, is the principal investigator on the project. The grant creates opportunities for undergraduate students to develop their research skills as part of a Sustainable Food Systems Research Collaborative, according to the article. Through the project, the team aims to link knowledge with action and build resilient collaborative relationships among producers, landowners, rural development specialists, policymakers, researchers, extension professionals and other stakeholders, the article states. [WABI](#) (Channel 5) also reported on the grant.

Engineering students renovating Habitat Bangor home, BDN reports

06 Sep 2017

The Bangor Daily News reported two families have been selected for houses in Old Town through Habitat Bangor's home ownership program. The city of Old Town donated two houses to the program last year, according to the article. One of the homes has been demolished to make way for a new one, and the other home was salvageable and will be renovated with the help of the University of Maine's Construction Engineering Technology Program, the article states. Construction on the homes is scheduled to begin this month.

Schwartz-Mette mentioned in U.S. News & World Report article on dating with depression

06 Sep 2017

Rebecca Schwartz-Mette, an assistant professor of psychology at the University of Maine, was mentioned in the [U.S. News & World Report](#) article, "The struggle of dating with depression." The article cited research conducted by Amanda Rose, a professor of psychology at the University of Missouri; and Schwartz-Mette, who was a doctoral student at the time of the study. The researchers found adolescents with depression often engage in a construct they called "conversational self-focus," according to the article. "Probably in part because depression makes people have a very narrow focus on themselves and their problems, adolescents with depressive symptoms tended to repeatedly turn conversations to focus back on themselves, especially when the conversations were about problems," Rose said. "In our studies, their friends were especially likely to see the relationship as poor quality and also reported that they would engage in behaviors to avoid or minimize contact with the friend. We have not studied conversational self-focus in romantic relationships, but I suspect that the same dynamic would occur."

HuffPost blog lists Kaye as leader in supporting aging populations

06 Sep 2017

Len Kaye, director of the University of Maine Center on Aging, was included in a [HuffPost](#) blog post that named "7 stars leading the way" to providing more support and services to aging populations. Kaye "has been a vocal advocate for increasing our focus on the challenges facing older Americans, and has led important programs aimed at making a real difference in the lives of our elders and their families," the post reads. "Living in Maine, which has a large aging and rural population, he is particularly in tune to the risks posed by isolation and loneliness and has also focused on increasing resources and support for caregivers."

Kersbergen speaks with BDN about drought-challenged hay farmers

06 Sep 2017

Richard Kersbergen, a sustainable dairy and forage systems expert with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for the article, “Drought-challenged farmers see worry, not greens, in their fields this summer.” Kersbergen said not all hay farmers in the state are having a tough time. “We’re seeing a lot of variation,” he said. “Certain regions this year have gotten adequate rainfall, while some areas haven’t.” For the areas affected by the drought, the difficult conditions in their fields could have long-term consequences, according to the article. “It’s a struggle,” Kersbergen said, adding that dairy farms have an influence on the rest of the state’s agriculture scene. “I think most people in agriculture look at dairy farming as a linchpin. Dairy farmers spend a lot of money. Their support of the agricultural industry in the state is critical.”

Hutchinson Center offering fall professional development programs

07 Sep 2017

The University of Maine Hutchinson Center in Belfast will offer a variety of professional development programs this fall. Program areas include health care, restorative practices, relational and mental health, leadership, business, education, and technology. A Relational Health Certificate Program, “Promoting a Positive Workplace & Community Culture,” will be offered in eight, daylong sessions, Oct. 20 through May 18. Workshop topics include introduction to relational health; creating a healthy work culture and civility; transformative mediation; restorative practices and approaches; nonviolent communication; diversity awareness and forgiveness; and relational mindfulness. More information, including registration, is available [online](#) or by contacting Diana McSorley at 338.8093, diana.mcsorley@maine.edu.

Panel discussion on North Korea crisis, Sept. 11

07 Sep 2017

The University of Maine will host a panel discussion, “Making Sense of the North Korea Crisis,” at 5 p.m. Sept. 11 in the Bangor Room, Memorial Union. The event is free and open to the public. Sponsored by the School of Policy and International Affairs (SPIA), the panel will feature Kristin Vekasi, an assistant professor of political science and international affairs; Asif Nawaz, a lecturer in political science and international affairs; and Jiwon Nam, a SPIA graduate student. Topics to be discussed include the politics of the Korean peninsula and North Korean nuclear program, as well as nuclear proliferation and strategy. For more information, call Vekasi at 581.1876.

Family and Friends Weekend Sept. 22–24

07 Sep 2017

The University of Maine will hold Family and Friends Weekend Friday through Sunday, Sept. 22–24. Many events will be held on campus throughout the weekend, including planetarium shows at the Emera Astronomy Center, a lobster bake sponsored by the University Credit Union, an outdoor showing of “Wonder Woman,” and a jazz brunch. [Online](#) registration is requested by Sept. 8. Some events require a ticket for UMaine students and their guests. Tickets for the lobster bake and jazz brunch can be purchased [online](#). More information is on the Student Life [website](#).

UMM students volunteer to clean headstones, Machias Valley News Observer reports

07 Sep 2017

[Machias Valley News Observer](#) reported new and transfer students who arrived at the University of Maine at Machias last weekend participated in an annual UMM tradition of kicking off the school year with a community service project. “Last year we did something at the veterans retirement home, and one year we did some work on the boxcar for the Chamber of Commerce,” said Jake Hanley, who serves as the assistant director of student engagement and inclusion at UMM. This year the students volunteered to clean headstones, according to the article.

AP cites UMaine Extension fact sheet in report on seed saving

07 Sep 2017

The Associated Press cited a University of Maine Cooperative Extension fact sheet in a report about seed saving in the home garden. Gathering seed saves money for the next planting season and also saves genetic strains that may have originated generations ago in family gardens, according to the article. For more information on seed saving, the article linked to the bulletin, “An introduction to seed saving for the home gardener,” by Mark Hutton, an Extension vegetable specialist. SFGate carried the AP report.

BDN profiles athletes ahead of UMaine Sports Hall of Fame induction

07 Sep 2017

In advance of the Sept. 8 University of Maine Sports Hall of Fame induction ceremony, the Bangor Daily News has published feature articles on several of the athletes. Profiled inductees include sports announcer [Gary Thorne](#), freestyle swimmer [Chuck Martin](#), and hockey player [Paul Kariya](#). Kariya was inducted into the UMaine Sports Hall of Fame in 1999 and will return to Orono to be inducted with the 1992–1993 team, which is being honored as a group, according to the BDN.

UMaine among partners on \$11M Maine Med metabolic disease study, Press Herald reports

07 Sep 2017

The [Portland Press Herald](#) reported the Maine Medical Center Research Institute has been awarded a five-year, \$11 million Centers of Biomedical Research

Excellence grant by the National Institutes of Health. The funding will be used to establish a research center to model the basis of human metabolic diseases, according to the institute. The program includes partnerships among Maine Med, University of Maine, University of New England and Brown University, the Press Herald reported. Researchers at Maine Med have been studying how metabolically active tissues, including fat, bone and the brain, use energy and control metabolism in the body. The grant will provide funding to four investigators to conduct research, and will support the expansion of technology, including advanced protein and lipid analysis and bone measurements, the article states. [Maine Public](#) also reported on the project.

Moran cited in Mainebiz article on state's apple crop

07 Sep 2017

Rena Moran, a tree fruit specialist with the University of Maine Cooperative Extension, was cited in a [Mainebiz](#) article about the state's apple crop. According to the New England Apple Association, citing the U.S. Apple Association's official 2017 forecast, Maine apple growers anticipate a crop of 1,024,000 boxes — or 43,008,000 pounds, based on 42 pounds per box average — an increase of 22 percent from a year ago. Moran said the association's forecast for Maine and New England sounds about right, based on her conversations with growers in the state.

Dill speaks with media about fruit flies, fleas

07 Sep 2017

Jim Dill, a pest management specialist with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) about fruit flies and what to do when they invade your kitchen. Fruit flies, also known as vinegar flies, are attracted to overripe fruits as well as yeast and cider-laden products, Dill said. At this time of year, when an abundance of fruits are in season locally, Dill said the population of fruit flies in the environment spikes. The flies make it into homes via the overripe fruit itself or through an open door or window, the BDN reported. "That bowl of apples might look good sitting on the counter this time of year, but if they get a little soft or get a bruise on them, it doesn't take much [to attract fruit flies]," he said. While it's "almost impossible" to prevent fruit flies from getting into your home, according to Dill, you can stop the flies from taking over your kitchen space by covering your trash and keeping all produce in the refrigerator or covered. Once inside, the only way to deal with fruit flies is to "trap them out," Dill said, by keeping items they are attracted to out of reach and using homemade solutions, such as apple cider vinegar in the bottom of a bottle, to capture and kill the pests. Dill also was interviewed by [WVII](#) (Channel 7) about fleas.

Vice President Dana speaks with BDN about Family and Friends Weekend

07 Sep 2017

University of Maine Vice President for Student Life and Dean of Students Robert Dana spoke with the [Bangor Daily News](#) for an article about parents and students preparing for family weekends at colleges and universities around the state. "The separation of young people from their homes and parents and families and communities is a complex transition and a really important one," Dana said. "This is a chance for students and their parents to give each other space without feeling they've been cast off to the outer islands." In addition to providing family members with a glimpse of their adult child's new life, Family and Friends Weekend is an exercise in navigating the new territory of the relationship, according to the article. Though it's important for students to feel their connectedness to family and friends back home, he said, they also are poised to move forward on their own as adults. Family and Friends Weekend at UMaine is Sept. 22–24.

Media report on early 2017 drug overdose deaths compiled by Sorg

07 Sep 2017

The Associated Press, [Bangor Daily News](#), [Penobscot Bay Pilot](#), [Portland Press Herald](#), WLBZ (Channel 2) and Maine Public reported on Maine drug overdose death figures released by the state attorney general's office. The number of Maine overdose deaths so far in 2017 is on par with last year, suggesting the numbers are leveling off while still averaging one per day, the AP reported. There were 185 drug overdose deaths in the first six months of the year — a slight decline from the same period in 2016, according to the data, which was compiled by Marcella Sorg, an anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine. The data indicates the overdose antidote Naloxone was given to more than a third of overdose victims who died, which was an increase from 25 percent the year before, according to the AP. Many more were undoubtedly saved by the drug, which must be administered quickly to be effective, Sorg said. "At least people are attempting to reverse these overdoses," she said. [U.S. News & World Report](#) carried the AP article.

Student Wellness Resource Center cited as leading resource

08 Sep 2017

The University of Maine Student Wellness Resource Center was included in [TopCounselingSchools.org](#)'s "30 universities that are leading the way with wellness centers for students." The center came in at 16 on the list of "facilities that stand out as the best in the country." UMaine's Student Wellness Resource Center "goes above and beyond to ensure students benefit from its many services," according to the article. The post cited the center's many outreach programs, including those to help students quit smoking, recognize the signs of alcohol-based medical emergencies without fear of consequence, and prevent hazing.

UMaine offering Camden International Film Festival courses

08 Sep 2017

Each year, the University of Maine makes it possible for students to attend the Camden International Film Festival and engage with filmmakers by offering related courses. Recognized as one of the top documentary film festivals in the world, the Camden International Film Festival (CIFF) highlights innovative work and dedication to the craft of nonfiction storytelling. The 13th annual CIFF will take place Sept. 14–17, and will feature screenings of nearly 80 documentary films from both up-and-coming and experienced filmmakers. A documentary film and video class can be taken as any one of the following

designators: ARH 369; ENG 382, which fulfills the Western Cultural Tradition general education requirement; NMD 398; or UST 400. The class will attend the festival's film screenings and meet with a variety of documentary professionals. The class meets four Saturdays: Sept. 9, Sept. 23, Nov. 4 and Dec. 2. For students preferring weekly class meetings offering a greater opportunity to build their technical skills, NMD 430, a documentary workshop, also will engage students fully in the festival. Students in these courses receive a pass for admission to CIFF. The pass includes films, panels, workshops, morning sessions specifically created for the UMaine course, special events, and networking opportunities with filmmakers. The CIFF courses are open to all students. For more information, call the UMaine Division of Lifelong Learning at 581.3143.

Discussion on current weather events, future climate trends Sept. 8

08 Sep 2017

A discussion on current weather events and their relation to past, present and future climate trends will be held at 3 p.m. Friday, Sept. 8 in Bryand Global Sciences Center, Room 307. The talk will be led by Sean Birkel and Bradfield Lyon, research professors at the University of Maine's Climate Change Institute. The talk is free and open to the public. Attendees are encouraged to bring questions.

BDN publishes op-ed on labor history by McKillen

08 Sep 2017

The [Bangor Daily News](#) published the opinion piece, "Labor activists resisted US internationalism a century ago. It's time for them to step up again." McKillen is a professor of history at the University of Maine and the author of "Making the World Safe for Workers: Labor, the Left and Wilsonian Internationalism" and "Chicago Labor and the Quest for a Democratic Diplomacy."

UMaine cited in Mainebiz article on oyster farming

08 Sep 2017

Research and faculty from the University of Maine were included in a [Mainebiz](#) article about the state's growing oyster farming industry. Oysters are one of Maine's top three farmed species (along with Atlantic salmon and blue mussels), according to the 2017 Maine Aquaculture Economic Impact Report, published by the UMaine Aquaculture Research Institute. Maine has 65 to 80 oyster farms, the article states. Modern shellfish aquaculture in Maine started at UMaine's Darling Marine Center in Walpole in the 1970s, when researcher Herb Hidu established a program focusing on the cultivation of blue mussels and oysters. His efforts led to many of his graduate students founding farms on the Damariscotta River, the article states. Even though the state's oyster industry is growing, it is still relatively small, according to Dana Morse, an aquaculture researcher with Maine Sea Grant. Most of Maine's production centers on the Damariscotta, Morse said, but the geographic scope is expanding. The article also mentioned Maine Sea Grant's work to develop a paper map to complement its evolving oyster trail website.

U.S. News & World Report interviews Schwartz-Mette about depression among teen girls

08 Sep 2017

Rebecca Schwartz-Mette, an assistant professor of psychology at the University of Maine, was mentioned in the [U.S. News & World Report](#) article, "Why teen girls are at such a high risk for depression." The risk for developing depression grows at adolescence for both girls and boys, but that risk increases much more sharply at adolescence for girls, according to Schwartz-Mette, director of the Peer Relations Lab at UMaine. "Researchers study risk factors in a variety of categories, including genetic, biological, emotional, cognitive, behavioral and social-interpersonal. Unfortunately, in many of these areas, girls have more identified risk factors," she said. "For example, pubertal changes, negative thinking styles such as rumination and low self-esteem and some interpersonal factors are more common in girls. And the fact that girls just experience more interpersonal stress than boys may contribute to girls' increased risk for depression."

Media quote Connell in reports on study that found life may thrive under Antarctic caves

08 Sep 2017

[BBC News](#), [Canberra CityNews](#) in Australia, [International Business Times](#), [New Zealand Media and Entertainment](#) (NZME) and [Outlook India](#) reported on a new study led by the Australian National University that found animals and plants may live in warm caves under Antarctica's glaciers. The animals and plants are suspected to be around Mount Erebus, an active volcano on Ross Island in Antarctica, where its steam has hollowed out extensive cave systems, CityNews reported. Forensic analyses of soil samples from the caves revealed intriguing traces of DNA from algae, mosses and small animals, according to the article. Co-author Laurie Connell, a research professor at the University of Maine's Graduate School of Biomedical Science and Engineering and School of Marine Sciences, said the DNA traces did not conclusively prove plants and animals were still living in the caves. "The next steps will be to take a closer look at the caves and search for living organisms. If they exist, it opens the door to an exciting new world," she said. Connell also spoke with [HowStuffWorks](#) for an article on the study. The research was published in the international journal [Polar Biology](#).

Mountain ice records North Pacific storm intensification through windblown sea salt

08 Sep 2017

For nearly 300 years, winter storm activity in Alaska and Northwestern Canada has been intensifying and is currently unmatched in magnitude and duration over the past 1,200 years, according to a new study published in the journal *Geophysical Research Letters*. The research, a collaborative effort between Dartmouth University, the University of Maine and the University of New Hampshire, finds that warming waters in the tropical Pacific Ocean have intensified the Aleutian Low, a pressure system that largely governs storm activity in the North Pacific. According to the study's lead author, UMaine graduate Erich Osterberg, now an assistant professor at Dartmouth University, it is more stormy now in Alaska and Northwestern Canada than at any other time in the past 1,200 years. This period of intensification began in 1741 and as tropical Pacific sea-surface temperatures continue to warm — due in part to human activity — the trend is expected to continue. [caption id="attachment_57074" align="alignright" width="400"]



NSF driller Mike Waszkiewicz, left, and Brad Markle from the University of Washington operate an ice core drill on Denali's Mount Hunter. To identify the long-term intensification of the pressure system the research team, which included UMaine's Karl Kreutz, professor of Earth and climate science, analyzed the amount of sodium in two ice cores recovered from Mount Hunter in Alaska's Denali National Park and another from Mount Logan in Canada's Yukon Territory. During strong winter storms in the North Pacific, ocean sea salt is blown inland and deposited atop high altitude mountain peaks where it becomes incorporated into the annual accumulations of snow and ice. By measuring the amount of sodium derived from the windblown sea salt in the layers of an ice core, researchers can determine the storminess during a particular point in time. The ice cores used in this study provide a 1,200 year long composite record of storm activity in the North Pacific. While the Aleutian Low system is located above the eastern Bering Sea, it can impact winter temperature and precipitation patterns throughout North America. In addition to Kreutz, other UMaine researchers involved with the study include research assistant professors Seth Campbell and Sean Birkel, assistant director of the Stable Isotope Lab, Douglas Introne and ICPMS Laboratory manager Michael Handley. The research team has yet to complete the analysis of the final 10 meters of Denali ice which could potentially provide thousands more years of paleoclimate data. Given the compression of the layers of ice in the core, a range of advanced sampling technology is required. One example is laser ice sampling at the UMaine W.M. Keck Laser Ice Facility which can analyze samples as small as 10 micrometers. Contact: Walter Beckwith, 207.581.3729

Katie Doyle: Using engineering, theatre education in concert tour design career

08 Sep 2017

Katie Doyle was raised by a family of engineers who encouraged her to tinker and ask questions. "My grandfather gave me my first electronics kit when I was 5, and I made every project in the book," she says. "Engineering was always kind of on my radar as being something I would enjoy." Doyle's family also had an affinity for the arts, and frequently took her to shows, including the Rockettes at Radio City Music Hall in New York. "I remember staring in awe as dancers were raised effortlessly from below the stage," Doyle recalls of the performance. "I couldn't stop looking around trying to figure out where the lights were coming from and how everything worked." She pursued both disciplines while at the University of Maine where she earned a bachelor's degree in mechanical engineering technology and minors in electrical engineering technology and theatre. "Theatre has always been a big part of my life, and when I realized that I could make a career out of creating those magical moments using technology, I knew that's what I wanted to do," she says. Today, Doyle is a mechanical design engineer at TAIT Towers, a company headquartered in Lititz, Pennsylvania that designs, constructs and delivers live event equipment. She works on a team in the touring department to design staging and automation equipment for some of today's top concert acts. "Our shows travel all over the world and are experienced by millions, if not billions, of people every year," she says. **How long have you been working at TAIT?** I started at TAIT in the electrical controls design department in 2013 after completing my engineering and theatre course work. In January of this year, I switched from electrical to mechanical design. **What are some projects you have worked on at TAIT?** I designed a control system for some pneumatically actuated flowers for Lady Gaga's 2014 ARTPOP Ball Tour. The stage went from flat to full of flowers in seconds. Our design studio also recently designed the tree fascia for U2's 2017 Joshua Tree Tour. It is a massive stadium show with a 192-foot-wide stage. Our tree fascia extended 30 feet above the 45-foot-tall video screen to create a seamless visual between the physical fascia and video wall content. When designing for concert touring systems, we focus on making the load-in as easy as possible. It's really important that the system be simple and reliable with the least number of connections and cable runs. **What has been your most memorable professional moment?** This job has allowed me to do things that my childhood self could have never dreamed of. I've worked at Radio City Music Hall, spent a few days behind the scenes at a major theme park, designed equipment that flies people, was in a [video](#) by (record producer) Deadmau5 that received 13 million views, and most importantly, I have had the honor of working with some incredibly talented and innovative people. **What are some of the biggest challenges in your field?** Time is absolutely our biggest challenge. The entertainment industry moves fast. It is not uncommon for us to go from concept to shipping 10 trucks worth of gear in eight to 10 weeks. Our clients are some of the greatest touring artists in the world. When they want to make a change or add something to their show, they come to us because they know it can be produced quickly and toured easily around the world. **Why UMaine?** I came up to visit UMaine (from my home in Madison, New Jersey) for the first time in the fall of my senior year of high school. I was struck by the sense of community and the strength of the College of Engineering. I would be lying if I said the fall leaves didn't work a bit of their magic in making me fall in love with the place. **How did you meld engineering and theatre while at UMaine?** I found myself in a constant balancing act of handling my engineering workload and commitments in the theatre department. Though challenging, each discipline complemented the other. Through engineering, I learned the math and calculations that supported what we were building in theatre. When I wasn't studying or building scenery, I was usually working a load-in or a show at the Collins Center for the Arts. Having a venue on campus that brought in everything from national Broadway tours to international artists was a great way for me to gain experience with touring scenery and equipment. **Describe your experience in the School of Performing Arts and any productions you assisted with:** The School of Performing Arts is wonderful because there are so many opportunities to get involved. I mostly worked in the scene shop both as a supervisor for department shows and as technical director for several Maine Masque shows. I had a hand in building just about every show that went through the shop during my time at UMaine. "Hair," "Eurydice," "Equus," and "Avenue Q" were some of my favorites. **What difference has UMaine made in your life and in helping you reach your goals?** UMaine is an incredibly special place. It has the breadth of opportunities usually found at large universities, but once you find your place, it has the focus and support of a much smaller college. It changed my life in ways that I am still discovering today. **What was your favorite place on campus?** Hauck Auditorium is the place on campus that fills me with the most nostalgia. I am proud of all the shows I worked on at UMaine, but Hauck is where some of my most fulfilling work was done. To me, Hauck is not just an auditorium, it's a warehouse full of hippies in 1968, it's a surreal space that simultaneously represents the real world and the underworld, it's a row of homes in an outer borough of New York.

When I think back on Hauck Auditorium, all of those places and dozens more exist simultaneously in my head. **What is your advice for incoming engineering and/or theatre students?** Embrace as many opportunities to learn and gain experience as you possibly can. The most difficult challenges that you take on, whether it be a thermodynamics class or stage managing a musical, are the ones that you learn the most from. **Did you work closely with a professor or mentor who made your UMaine experience better?** It would be remiss of me to not thank the people who have had the greatest impact on me: Joe Donovan, Jude Pearse, Scott Dunning, Herb Crosby, Scott Stitham and Jeff Richards. You pushed me hard, believed in me and gave me the tools to pursue the career of my dreams. Contact: Elyse Catalina, 207.581.3747

Opportunity to provide input for Presidential Search

08 Sep 2017

All University of Maine community members are invited to help the UMaine Presidential Search Committee understand the opportunities and challenges facing the university and provide input about the characteristics needed in the next president. Input from many constituents is sought to help describe the position and set criteria for reviewing applications. The search committee, chaired by Trustee Gregory Johnson, has been appointed and is beginning its work. Members of the committee will receive a report of input from campus listening sessions and may attend, as their schedules allow. The committee will have its first meeting Sept. 15. Shelly Storbeck of Storbeck/Pimentel & Associates will assist the search as a consultant. Storbeck and her associate, Ethan Dubow, will be on campus Sept. 13–15 to conduct a site visit and listening sessions with constituents. Open listening sessions for faculty, students and staff are scheduled for the following times and locations:

- **Faculty:** 4:15–5:15 p.m. Wednesday, Sept. 13 in the Coe Room of the Memorial Union, and 3:30–4:30 p.m. Thursday, Sept. 14 in the Bangor Room of the Memorial Union
- **Staff:** 2:15–3:15 p.m. Thursday, Sept. 14 in the Bangor Room of the Memorial Union
- **Students:** 4:45–5:45 p.m. Thursday, Sept. 14 in the Bangor Room of the Memorial Union

For more information, email Tracy Bigney at bigney@maine.edu.

Research examines barriers to helping mothers and their violent children with mental illness

11 Sep 2017

In a study of self-identified mothers of violent children with mental illness to better understand their experience when seeking help, researchers from the University of Maine and Niagara University identified three barriers that make it difficult to find effective assistance: denial of the mental illness and the severity of violence by treatment providers, extended family, and nonfamily members; limited access to quality treatment and supports; and a recurring cycle of optimism and hopelessness. The mothers who participated describe an ongoing struggle to increase awareness of — and belief — that they and their children need help, according to UMaine sociology professor Karyn Sporer and her co-author Dana Radatz, a criminal justice professor specialist at Niagara University. The researchers note that the barriers faced by these mothers and their violent children parallel those experienced by survivors of intimate partner violence. The hope is that greater understanding of the similarities can inform policy and social services, including the programs for survivors that have been effective in helping provide an informed support system and access to positive, helpful and supportive care. For example, one widely recognized approach for intimate partner violence known as the Coordinated Community Response (CCR) could be effective in helping parents of violent children with mental illness. The goal would be to “address the complexities of their victimization and to enhance the effectiveness of the community’s response.” “Our focus on the barriers encountered by help-seeking mothers provides insight on a complex problem that often remains behind closed doors,” write Sporer and Radatz in the *Journal of Family Violence*. “Our ability to keep families healthy and safe depends on access to quality and reliable mental health services.” Currently, say the researchers, “the mental health system seems incapable of providing adequate support to persons with mental illness and their family caregivers,” raising questions about societal priorities. The researchers note that most persons with mental illness are not violent and will not exhibit violent behavior in their lifetimes. The prevalence of violent behavior among persons with mental illness is estimated to range from 1 percent to 7 percent. And for those who are violent, the targets of their aggression are most often family members. The 26 mothers in the study described experiencing negative reactions from formal and informal sources of support. Treatment providers, extended family members, and teachers denied the problems or suggested that circumstances would “get better.” The denial of the reality and extent of the aggressive behaviors and mental illness led the mothers to second guess and further isolate themselves, and delayed their active pursuit of the help the family needed. Some of the mothers described that denial in the form of downplaying the concerns, and attributing the child’s aggressive behavior to lack of discipline and poor parenting. To combat the denial, some of the mothers resorted to documenting the violence — from journaling and photographing to audio and tape recordings. Many of the mothers who were victimized by their children reported difficulty in obtaining support from treatment providers and social services. And even with professional intervention, their struggles persisted because of a mental health system they characterized as disorganized, unsympathetic, and ill equipped to help. Despite the aggressive child with mental illness being a safety risk, hospitals often discharged the youth prematurely or refused overnight admission. Relatedly, financial barriers for the mothers ranged from unaffordable quality care to battles for health insurance and government-supported programs. Many of the mothers described an ongoing hope that their children would improve with treatment or medication, or with time. They remained optimistic that something would “fix” or “manage” the aggression to allow the child to remain at home, but their hope was often short lived. This study contributes to a growing body of research on child-on-parent abuse by a population that is largely overlooked, according to Sporer and Radatz. Contact: Margaret Nagle, 207.581.3745

UMaine receives \$1.5M award to advance Maine’s marine economy

11 Sep 2017

The U.S. Economic Development Administration (EDA) recently announced a \$1.5 million award to the University of Maine to support a major waterfront infrastructure investment at the Darling Marine Center (DMC), UMaine’s marine laboratory in Walpole, that will benefit marine industries statewide. Together with matching funds from UMaine and state marine bond funds, the EDA award will enable DMC to upgrade its flowing seawater system, renovate its oldest seawater laboratory and replace the nearly 50-year old main pier. These key facilities allow UMaine researchers, staff and students to work directly with companies and communities in the marine economic sector, including aquaculture and commercial fisheries. Approximately 50 jobs at marine-related companies are expected to be created through this project. “For more than five decades, researchers and students at UMaine’s Darling Marine Center have provided marine environmental data that is critical to our state’s commercial fishing and aquaculture industries,” said [Sens. Collins and King in a joint statement](#). “We are delighted that this investment will allow the center to continue its important work as well as expand job opportunities in the

aquaculture and technology sectors in the region.” DMC researchers are helping the state’s marine fisheries and aquaculture sectors adapt, diversify and grow in response to Maine’s evolving environmental conditions. They conduct applied research, and work collaboratively with marine industry professionals to develop new value-added marine products and bring them to commercial scale. Current projects include studies of changing environmental conditions on lobster and shellfish as well as industry-led product development and commercialization efforts focused on oysters, glass eels and sugar kelp. DMC and company partners also provide on-the-job training and experience for student interns. “With support from the EDA, the Darling Marine Center will be able to continue to support Maine’s marine industries and contribute to the creation and retention of jobs that are critical to our local economies and communities,” said Carl Wilson, director of the Bureau of Marine Science at the Maine Department of Marine Resources. A significant driver for DMC’s waterfront investment is the recognized need for more space for business incubation and research-industry partnerships. UMaine scientists and students work closely with industry at DMC and throughout the state. “Research, training and business incubation activities at DMC support the thousands of Mainers engaged in fisheries, marine aquaculture, and other marine-dependent businesses,” noted UMaine Vice President for Economic Development and Innovation James Ward. This project also will contribute to job retention in Maine’s marine-based tourism, and natural resource based recreation sectors. “Maine’s fisheries and aquaculture professionals depend on healthy coastal and oceans,” said Darling Marine Center Director Heather Leslie. Understanding these connections between people and oceans, and how they are changing is central to our work at the DMC. We thank the delegation and local communities for their support of this important project.” Founded in 1965, the Darling Marine Center is the University of Maine’s marine laboratory. Its mission is to connect people to the ocean. The center’s researchers, staff and students work alongside fishermen, aquaculture entrepreneurs, marine industry professionals, and members of the community, in Maine and around the world. More information is available [online](#). Contact: Heather Leslie, 207.350.2713

DMC welcomes Boothbay Sea and Science Center campers

11 Sep 2017



Boothbay Sea and Science Center campers capped off their summer program with a recent daylong visit to the University of Maine Darling Marine Center in Walpole. Nearly 30 campers, ages 5–13, learned about shellfish aquaculture with Lili Pugh, DMC’s K–12 education coordinator. “To understand aquaculture, one must know the science,” Pugh says. “Understanding water quality, plankton abundance, the life cycle of shellfish, and the estuarine habitat are all very important no matter whether you are an oyster grower, a researcher or enthusiastic consumer of the half-shell delicacies.” BSSC campers learned how to assess water quality by taking temperature, salinity and turbidity measurements at the DMC dock in Lowes Cove. They also collected plankton and toured the shellfish hatchery and while hiking the DMC’s nature trails, they learned about land-sea connections that shape the Damariscotta River watershed. The Edward A. Myers Marine Conservation Fund and the University of Maine supported the program. Conservation fund awards to the DMC and other organizations have made it possible for hundreds of youth in the last 10 years to learn about the ocean, aquaculture and marine science. All proceeds from the Pemaquid Oyster Festival — which will be held Sept. 24 in Damariscotta — benefit the fund, which is named after Edward Myers, a Walpole resident and Damariscotta River aquaculture pioneer.

Sorg to lead webinar on NH opioid overdoses

11 Sep 2017

Marcella Sorg, director of the Margaret Chase Smith Policy Center’s Rural Drug and Alcohol Research Program; and Lisa Marsch, director of the Dartmouth Center for Technology and Behavior, will lead a webinar for the National Drug Early Warning System on New Hampshire fentanyl deaths. Their webinar, “Understanding the Increase in Opioid Overdoses: NDEWS New Hampshire HotSpot Study Results,” will be at noon Sept. 12. Information about the webinar is [online](#).

Emera Astronomy Center to dedicate new Clark Observatory Sept. 15

11 Sep 2017

Members of the University of Maine community are welcome to attend the dedication of the Emera Astronomy Center's new Clark Observatory at 4 p.m. Friday, Sept. 15. The historic Alvin Clark eight-inch refractor, originally installed in 1900, has been relocated to the grounds of the Emera Astronomy Center in a new roll-off roof facility. The observatory will be available to university students and open to the general public following evening planetarium programs. Scheduled dedication speakers include Shawn Laatsch, director of the Emera Astronomy Center; Jeffrey Hecker, UMaine's executive vice president for academic affairs and provost; Emily Haddad, dean of the College of Liberal Arts and Sciences; Jeffery Mills, University of Maine Foundation president; and David Batuski, a professor in the Department of Physics and Astronomy. Light refreshments will be served. To RSVP, contact Laatsch at 581.1818 or shawn.laatsch@maine.edu by Sept. 13.

Mitchell quoted in BDN article on possible Indigenous Peoples' Day in Orono

11 Sep 2017

Penobscot John Bear Mitchell, a lecturer in Wabanaki studies at the University of Maine, spoke with the [Bangor Daily News](#) about Orono considering to replace Columbus Day with Indigenous Peoples' Day. The town would join a growing number of locales, such as Bangor and Belfast, that are shifting the focus away from Christopher Columbus, according to the article. Mitchell said the time has come to correct history. "Columbus had nothing to do with the discovery of North America," he said. "Because of this, we are actually writing the history as it exactly was."

Students construct new 'Trail of the Senses' at Hirundo, WABI reports

11 Sep 2017

[WABI](#) (Channel 5) reported on the opening of Hirundo Wildlife Refuge's "Trail of the Senses." The ADA-compliant trail was created in partnership with the University of Maine. The first completed section was constructed by a group of 18 students in UMaine professor Will Manion's CET 458 Management of Construction course, WABI reported.

Fried quoted in Modern Healthcare article on vote to expand Medicaid

11 Sep 2017

Amy Fried, a political science professor at the University of Maine, spoke with [Modern Healthcare](#) for the article, "Maine residents hope ballot box will do what legislators couldn't: Expand Medicaid to more low-income adults." A coalition of Democratic and moderate Republican state lawmakers passed bills five times that would have had Maine apply for federal Medicaid expansion money to cover low-income, able-bodied adults without children at home, but Gov. Paul LePage vetoed them each time, according to the article. Fried said she's hesitant to handicap the referendum's chances, since there has been no polling. "You would not expect to see much turnout in such an off, off year," she said. But, Fried noted, Maine does have centrist Republicans who support expansion, and national polls show strong support for Medicaid expansion. That, and the fact that signatures were collected quickly, are "all signs there is weight of public opinion toward it," she said.

WABI covers Rogers Farm Fall Field Day

11 Sep 2017

[WABI](#) (Channel 5) reported on the third annual Fall Field Day at Rogers Farm Demonstration Garden in Old Town. The University of Maine Cooperative Extension Master Gardener Volunteers hosted the event to celebrate the growing season with workshops, activities, live music and homemade food. Organizers said the event is a great opportunity for people to learn about their own gardens and where some of their food comes from, WABI reported. "We want folks to really get connected with the research-based information that the university has about horticulture so that folks can learn the best practices for their own home landscape so they can be successful," said UMaine Extension horticulturist Kate Garland.

Working Waterfront reports on groundfish survey, quotes grad student

11 Sep 2017

[The Working Waterfront](#) reported on the Sentinel Survey, which collects data on the status of groundfish populations in Eastern Maine. The survey, now in its eighth year, is conducted by Maine Center for Coastal Fisheries in collaboration with the University of Maine, according to the article. Fishermen visit a total of 84 survey stations from June to October, along with researchers who study the population, distribution, and most importantly, the genetic makeup of groundfish in each location, the article states. Lead researcher Mattie Rodrigue, a dual master's student in marine biology and policy at UMaine, said data from a single fish is crucial. "Biological analysis can unlock a picture of where that species has been, the distinct subpopulations it's related to, what it's been eating, its reproductive patterns, and more," she said.

Kelley, grad student speak about preserving Maine's shell middens on WABI

11 Sep 2017

Alice Kelley, a geoarchaeologist at the University of Maine; and Jacque Miller, a graduate research assistant in the UMaine School of Earth and Climate Sciences, visited the studios of [WABI](#) (Channel 5) to discuss their work preserving Maine's shell middens. Kelley, an associate research professor in the Climate Change Institute, cooperating professor in the Department of Anthropology and instructor in the School of Earth and Climate Sciences, is working with a team of archaeologists and geologists from UMaine and the Maine Historic Preservation Commission to survey the fragile sites using ground-penetrating radar technology. "We know that sea level is rising, in fact more rapidly right now, and so virtually all of these sites are in danger, and in fact some have disappeared already," Kelley said, adding the goal of the project is to evaluate what middens are left and where best to focus energy and resources to preserve the valuable information they provide.

Press Herald, AP report on Thomas' Gulf of Maine warming research

11 Sep 2017

The [Portland Press Herald](#) and Associated Press reported on University of Maine-led research that found summer temperatures in the Gulf of Maine are persisting two months longer than they were in the early 1980s. The findings have ramifications for marine life, fishermen and the strength of hurricanes, which appear in late summer and are fueled by warm water, according to the Press Herald article. “What we found was quite astonishing in that almost all the warming is in the late summer, and the winter is not contributing very much at all,” said the project’s lead scientist, Andrew Thomas, a professor of oceanography at UMaine. “You can think of impacts all across the food chain, from animals that have actual temperature tolerances to the distribution of species, their prey, and even their predators, not to mention the bacteria and viruses, which we have no idea how they will react.” [CBS News](#), [ABC News](#), [San Francisco Chronicle](#), [Bozeman Daily Chronicle](#), [Bangor Daily News](#), [Seacoast Online](#), [WMTW](#) (Channel 8 in Portland) and [Sun Journal](#) carried the AP report. Thomas also spoke [WCAI](#), the Cape and Islands NPR station, and [Saving Seafood](#) cited the Press Herald article. [The Chronicle Herald](#) in Nova Scotia also cited the research in an article on strong hurricanes.

UMaine Extension survey seeking feedback from home gardeners

12 Sep 2017

University of Maine Cooperative Extension is asking for the public’s help in determining what types of horticultural education programs best help meet the needs of home gardeners in the state. The survey will aid UMaine Extension in planning its programs for home gardeners in the coming year. Feedback is requested via a brief (five-question) survey, available [online](#) or in print at local UMaine Extension offices. To find an office, call 800.287.0274. Compilation of survey responses will begin Oct. 1.

Annual Simpson Lecture to focus on face transplant surgery, meaning of identity

12 Sep 2017

The fact and fantasy of face transplant surgery will be the focus of the 16th annual Geddes W. Simpson Lecture at the University of Maine on Sept. 14. Sharrona Pearl, an assistant professor in the Annenberg School of Communication at the University of Pennsylvania, will speak on “Face Transplant Surgery and the Meaning of Identity: A history and case study” beginning at 3:30 p.m. in Minsky Recital Hall. The lecture, which is free and open to the public, will be followed by a reception. For more information or to request a disability accommodation, call Samuel Hanes, 581.1885. The first face transplant occurred in 2005 following a long history of representations reflecting the anxieties about manipulations to the face and their implications for identity. Pearl asks: How do we make sense of the journey of this intervention from science fiction to science? In her talk, Pearl will explore the history of the procedure in fact and fantasy. The presentation is part of the Geddes W. Simpson Lecture Series, made possible by a fund established at the University of Maine Foundation in 2001 by Simpson’s family. 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. The lecture was established to support a series that highlights speakers who have provided significant insight into the area where science and history intersect. Earlier in the day, Pearl will take part in a panel discussion examining the challenges, opportunities and responsibilities faced by Canadian scholars who research and teach in the United States. “Canadians Teaching in the United States” will be held from noon to 1 p.m. in the Coe Room of the Memorial Union. Pearl will be joined by panelists Mark McLaughlin, an assistant professor of history and Canadian studies at UMaine; and Frédéric Rondeau, an assistant professor of French and assistant director of the Canadian-American Center at UMaine. The talk is co-sponsored by the Clement and Linda McGillicuddy Humanities Center and the Canadian-American Center.

BDN publishes Glover’s op-ed on DACA

12 Sep 2017

Robert Glover, an associate professor of honors and political science at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled “Congress must fix Trump’s terrible mistake on DACA.” Glover also is the co-leader 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.

WMTW cites Lobster Institute statistics in report of blue crustacean

12 Sep 2017

[WMTW](#) (Channel 8 in Portland) cited statistics from the Lobster Institute at the University of Maine in a report about a blue lobster that was caught off the coast of Pemaquid. The odds of catching a blue lobster are one in 2 million, according to the Lobster Institute.

Brewer quoted in BDN article on early endorsements in Maine governor race

12 Sep 2017

Mark Brewer, a political science professor at the University of Maine, was quoted in a [Bangor Daily News](#) article that examines how early endorsements could affect the race to replace Maine Gov. Paul LePage. Endorsements announced more than a year before the election could have an impact for candidates trying to gain traction in parts of the state where voters are less familiar with them — particularly when it comes to raising campaign funds — or for simply boxing out would-be primary opponents, the article states. According to Brewer, endorsements matter much more now than they will after next June’s primary. “Endorsements matter only to a small number of voters, but they definitely matter to donors,” he said.

Ondo contributes to 9/11 sculpture in Portland, WLBY reports

12 Sep 2017

WLBZ (Channel 2) and the Associated Press reported on the unveiling of a 9/11 sculpture outside the Cumberland County Jail in Portland. Sheriff Kevin Joyce was given a 100-pound piece of steel from one of the twin towers, according to the WLBZ report. Gregory Ondo, an assistant professor of art at the University of Maine, donated part of the sculpture. Ondo created two granite towers holding the steel in place, which are positioned to represent the towers when they were standing, WLBZ reported. [Maine Public](#) carried the AP report.

Ellsworth American interviews Yarborough for article on blueberry marketing efforts

12 Sep 2017

[The Ellsworth American](#) spoke with David Yarborough, a wild blueberry specialist with University of Maine Cooperative Extension, for the article, "Blueberry growers are looking at marketing for industry relief." As a blueberry season shortened by bad weather and financial issues comes to an end, industry experts said a smaller crop has the potential to reduce the oversupply of berries that has put pressure on growers, according to the article. "The value of the blueberries has gone down for the past three years; 15 cents per pound each year," Yarborough said. Because fewer berries were harvested, growers believe the price per pound paid to farmers will stabilize in 2018, the article states. "What we're expecting is conjecture at this point. It should be a better price," he said, adding that oversupply won't necessarily be fixed with one season. Managers of Wild Blueberry Land in Columbia Falls are developing a nonprofit museum and website focused on the industry to help educate blueberry buyers about the product. The managers have secured a private donation for the project and have been working with volunteer students and faculty from UMaine, the article states. [Mainebiz](#) cited the Ellsworth American article.

4-H working to increase reach of STEM education programs, BDN reports

12 Sep 2017

The [Bangor Daily News](#) reported on the University of Maine Cooperative Extension 4-H program's efforts to bring STEM to Maine youth by providing learning materials and support to schools and other community organizations. Since its founding, 4-H has sought to enrich the lives of children through hands-on learning experiences that not only inform them on a topic but give them the life skills they will need as adults, according to Lisa Phelps, Maine's 4-H program administrator. As technology advances and the need for students to be proficient in STEM studies continues to rise, 4-H is working to increase the reach its STEM education programs have. "Our biggest focus right now is STEM and promoting STEM education," Phelps said. A growing program offered by 4-H is its STEM Ambassador program, which partners with University of Maine System students across the state who then go into regional school systems to conduct STEM lessons in classrooms or after-school programs, the article states. "We're looking to increase [the number] of people who have those STEM literacy skills and are looking to go into some sort of a STEM career in the future," said Laura Wilson, a 4-H STEM Ambassador program coordinator. "It's just another way of meeting the youth where they are."

Tijerina earns first Chris Kobrak Fellowship in Canadian Business History

13 Sep 2017

Stefano Tijerina has been named the first recipient of the Chris Kobrak Fellowship in Canadian Business History. The University of Maine adjunct assistant professor accepted the \$10,000 award at the "150 Years of Canadian Business History" conference Sept. 11–12 in Toronto. Tijerina was awarded the fellowship for his in-progress book titled "Navigating Imperial Competition in the Americas: The Internationalization of Canadian Financial Services, 1882–1930." The award emphasizes the importance of looking at Canadian history from a transnational perspective, says Tijerina, adding, "It is a recognition to my dedication to the study of Canadian-Latin American relations and an opportunity to continue advancing this research field." Before Tijerina began his academic career, he worked in international banking. He is a multidisciplinary scholar with experience in political science, public policy, public management, history, economics, business, international relations and Canada/Latin America studies. In his proposal, Tijerina wrote that "a more holistic understanding of the role of Canadian financial institutions in the development of financial markets across the Americas would give agency to an aspect of Canadian history that has been for the most part disregarded by U.S.-centric approaches to the historical analysis of the region." Dimitry Anastakis, chair of the Canadian Business History Association, told Tijerina in the notification letter that the committee was impressed with his project, proposal and record of accomplishment.

Study Abroad Fair to be held Sept. 14

13 Sep 2017

The University of Maine International Programs' Study Abroad Fair will be held 2–5 p.m. Thursday, Sept. 14 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. More about UMaine's study abroad program is [online](#).

WGME cites UMaine study in report on state's pulp and paper industry

13 Sep 2017

[WGME](#) (Channel 13 in Portland) cited a study conducted by the Maine Forest Products Council and the University of Maine in a report about the state's pulp and paper industry. According to the study, the industry had an \$8.5 billion economic impact in 2016. "We have gone through some transitions and we're in the middle of some of those transitions, but we're very much alive and kicking and a growing kind of industry," said Patrick Strauch, executive director of the council.

BDN publishes social work grad student's op-ed on Medicaid expansion

13 Sep 2017

Arthur Barry Adoff, a graduate student in the University of Maine School of Social Work, wrote an opinion piece for the [Bangor Daily News](#) titled, “Medicaid expansion would be a ‘win-win’ for Maine.” Adoff also is a writer who lives in Veazie.

Boston.com cites UMaine statistics in report on rare lobster colors

13 Sep 2017

[Boston.com](#) cited statistics from the Lobster Institute at the University of Maine in a report about rare lobster colors. According to the Lobster Institute, lobsters that typically exist in the wild are “dark bluish green to greenish brown.” However, diet and genetics can create lobsters in colors including orange, yellow, blue and white, the article states. Bob Bayer, executive director of the institute, recently told The Boston Globe that the “best analogy is eye color in people.” According to the Lobster Institute, split-colored lobsters are a one-in-50 million find, and white lobsters are one-in-100 million.

Media cover Bug Maine-ia at Maine State Museum

13 Sep 2017

[Kennebec Journal](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported on Bug Maine-ia at the Maine State Museum in Augusta. Staff from the University of Maine Cooperative Extension and Hudson Museum were among the 24 presenters at the annual educational event featuring live insects. UMaine Extension staff taught children how to identify and safely remove ticks, WABI reported. “Ticks are becoming a topic among the kids, especially as their teachers are reminding them to do tick checks and to be careful going into the brush,” said Clay Kirby, an insect diagnostician with UMaine Extension.

Jemison speaks with WABI about state’s potato crop

13 Sep 2017

[WABI](#) (Channel 5) interviewed John Jemison, a soil and water quality specialist with the University of Maine Cooperative Extension, about the state’s potato crop. “If growers didn’t irrigate this year in Aroostook County, yields might be a little lower, but the quality should be good and if they were able to irrigate timely, I think they’ll do just fine,” Jemison said, adding many potato growers got a late start with the cold weather, and the month of August offered little rain. With changes in the state’s climate, Jemison said it’s more important than ever for growers to be smart before they plant. “Our growers need to be thinking about everything they can do to improve their odds,” he said. “Crop insurance, irrigation, drainage, building soil quality. Anything they can do to improve.”

Morse, Maine Sea Grant map cited in Press Herald article on oysters

13 Sep 2017

Dana Morse, an aquaculture researcher with Maine Sea Grant who works with oysters and other shellfish, spoke with the [Portland Press Herald](#) for an article about seven ways to enjoy fall oysters. “As temperatures decrease, oysters know that they’re headed into winter, and to generate some energy reserves, they store it in the form of glycogen,” Morse said. “That is part of what explains the plumpness of the oysters” in the fall. “There’s definitely a noticeable taste difference, but the preference is entirely up to the individual,” he said. “I happen to think that oysters are indeed best in the fall when they’re sweet, and they’re fat and they’re full.” The article mentioned the Oyster Trail of Maine, an online map launched by Maine Sea Grant that includes more than 50 of the state’s 80 oyster farms. The map also includes information on the history of Maine oyster culture, what the industry is like today, and tips on handling oysters, according to the article. “If someone comes to Maine and wants to go on oyster safari, and buy lots of different oysters from different places, this is a tool to help them have some kind of oyster experience, whether it’s a farm tour or going to eat at a restaurant, or buying an oyster,” said Morse, who has been involved in developing the map.

Elias, Hajek team to capture complete picture of ticks, Lyme disease progression

14 Sep 2017

While singular silver bullet solutions are sometimes sought to slow the progression of ticks and Lyme disease, Susan Elias says it’s important to see the full picture. So the University of Maine Ph.D. candidate and vector-borne disease ecologist asked artist Olaf Hajek to help her convey the whole story with a painting. “Our health is dependent on the health of the landscape,” says Elias, who is involved with the One Health Initiative — a worldwide program of scientists and others who believe “human, animal and ecological health are inextricably linked and need to be studied and managed holistically.” She contacted Hajek to talk about the One Health Initiative as it connects with her dissertation: “Range expansion of the deer tick in Maine, USA, as related to climate, hosts, habitat, and land use.” Elias is a fellow in UMaine’s National Science Foundation-funded Integrative Graduate Education Research Traineeship (IGERT) program focused on adaptation to abrupt climate change; IGERT and the Climate Change Institute funded the commissioned piece. Hajek’s colorful painting titled “Ecology of Lyme” includes multiple interconnected factors associated with the infectious disease — Earth being altered by a changing climate, a deer, a mouse, invasive Japanese barberry, and three stages of deer ticks. The painting also includes a person infected with Lyme bacteria. Preliminary 2016 data from the Maine Center for Disease Control and Prevention indicated an all-time high of 1,485 reported human cases of Lyme disease in the state, says Elias. And Lyme disease — which can result in severe headaches, arthritis with acute joint pain and swelling, inflammation of the brain and spinal cord, facial palsy, heart palpitations and short-term memory difficulty — may be under-reported ten-fold. For a host of interrelated reasons, the risk of contracting the disease will continue to increase in Maine, says Elias. One factor is the compression of winter. Spring comes earlier and fall is extended, says Elias, so adult deer ticks have a long time to feed. Each adult tick can lay as many as 2,000 eggs and the summer temperature has been conducive for more larvae to hatch and complete their life cycle statewide. Land use decisions also make a difference, she says. For instance, when forests are separated by roads, farms and subdivisions, the number of predators of white-footed mice declines. The mice that harbor the Lyme bacteria can then flourish. And where invasive plants, including Japanese barberry and Oriental bittersweet, are allowed to take over forests, ideal habitat is created for deer ticks and their hosts. The number of deer — which are hosts for the blacklegged tick (deer tick) *Ixodes scapularis* — also can increase in areas where hunting is not allowed. Seeing the myriad of connections and taking a One Health approach are important, says Elias, as six out of 10 infectious diseases in people have wild animal origins. Making the planet a healthier place will benefit all, she says. Elias will deliver this message Sept. 15 at the Climate Change Institute’s fall retreat and Nov. 7 at the annual meeting of the Entomological Society of America in Denver, Colorado. In the meantime, she advises: “Do your tick check.” Contact: Beth Staples,

UMaine emergency communication alerts available**14 Sep 2017**

With the start of the academic year, members of the University of Maine community are reminded to register to receive UMaine's emergency notifications. The emergency notification system alerts the UMaine community to public safety issues, including inclement weather conditions causing class cancellations. Registration for text and/or email alerts is available [online](#). If you have already registered, watch for the test message of the emergency communication system on the 15th of every month. If you do not receive a text or email test alert, please reregister your email address or cell phone number. For more information, write nagle@maine.edu.

Department of Art accepting applications for after-school program**14 Sep 2017**

The University of Maine Department of Art's ArtWorks! program for area children in grades K–8 is accepting applications until Oct. 6 for the fall 2017 session. The program provides children an opportunity to explore the world of art through hands-on experiences with a variety of visual media, the history of art, and the viewing of art. The classes are organized by grade level and are taught by art education students who are preparing to become art teachers. The program is supervised by Constant Albertson, a UMaine art professor. The fall ArtWorks! session will run five consecutive weeks from 3:30–5 p.m. each Friday in Lord Hall. The session begins Oct. 13 and continues through Nov. 3, culminating in an exhibition and reception in Lord Hall on Nov. 10. The reception will be held to view the work of participants and hear presentations from the art education students leading the program. A \$25 fee covers the cost of materials, and a limited number of scholarships are available. The program is offered on a first-come, first-served basis. The application is [online](#). For more information, contact Albertson at constant@maine.edu, 581.3251.

S.W. Cole geotechnical boring demonstration Sept. 19**14 Sep 2017**

A demonstration of geotechnical boring techniques will take place between the Belgrade Spur and Belgrade Parking Lot from 2 to 5 p.m. Tuesday, Sept. 19. Provided by S.W. Cole Explorations, LLC, the demonstration is open to undergraduate and graduate students interested in geotechnical drilling and its professional applications. Students in CIE 460 Geotechnical Engineering are required to attend. Others who are interested in attending should email Melissa Landon at melissa.landon@maine.edu by 5 p.m. Friday, Sept. 15. Closed-toed shoes and hard hats are required. Students with their own hard hats should bring them, as there will be a limited supply available for borrowing. Hats can be obtained from Neil Fisher in 20 Boardman Hall from 1 to 2 p.m. on the day of the demonstration.

Livingston, Day speak with media about Maine's early fall foliage**14 Sep 2017**

[WABI](#) (Channel 5) and [AccuWeather.com](#) spoke with University of Maine researchers about the fall foliage forecast for the Northeast. Bill Livingston, an associate professor of forest resources, was interviewed by WABI on a story about the state's first foliage report. According to the report, Maine's trees are already beginning to change color. According to Livingston, the early change in color can be attributed to the lack of rain during the summer. "Because we've had a dry summer, this part of Maine has been under a drought, I've actually seen the colors change early," Livingston said. The warm and dry conditions during September can affect the season's vibrant colors; warm nights and warm days will lead to more brownish colors. "If we get cool night, down in the 30s, 40s, and then sunny days in the 60s, we can still have vibrant colors," said Livingston. Michael Day, an associate research professor in the school of forest resources, told AccuWeather that a cold snap is what the northeast needs for especially bright colors to develop.

Roth, Herzog to speak about future of forest products at Common Ground Fair, Town Line Reports**14 Sep 2017**

[The Town Line](#) advanced the Maine Woodland Owners speaker series at the Common Ground Fair in Unity, which will feature UMaine researchers Brian Roth and Benjamin Herzog. Roth, the associate director of the Cooperative Forestry Research Unit, will give a talk titled "Reintroduction of the American Chestnut" at 11 am. The talk will focus on the efforts to restore the American chestnut, a tree that once covered much of the east coast. Herzog, a wood technologist at the Advanced Structures and Composites Center will discuss new forest products that are transforming the forest products industry at 1 p.m. The speaker series will take place on Friday, Sept 22 in the Low-Impact Forestry Speakers' Tent beginning at 9 am. For more information visit the Maine Woodland Owners [website](#).

Mitchell to participate in Acadia Night Sky Festival Cruises**14 Sep 2017**

[Mount Desert Islander](#) reported that John Bear Mitchell, professor of Wabanaki and multicultural studies will share Native American stories from the region about the night sky during the "Under the Stars" boat cruises. The cruises, offered by Bar Harbor Whale Watching, are scheduled for Sept. 20, 22 and 23, from 6:30–9 p.m. and are part of the ninth annual Acadia Night Sky Festival with events taking place across Mount Desert Island. The trips are weather dependent. For pricing and reservations, call 207.288.2386.

Republican Journal advances Hutchinson Center's fall professional development programs**14 Sep 2017**

The Republican Journal advanced three of the Hutchinson Center's fall professional development certificate programs. A Relational Health Certificate Program, [Promoting a Positive Workplace and Community Culture](#) certificate program will be offered in eight, daylong sessions, Oct. 20 through May 18. Workshop topics include an introduction to relational health; creating a healthy work culture and civility; transformative mediation; restorative practices and approaches; nonviolent communication; diversity awareness and forgiveness; and relational mindfulness. The two-day [Mindful Leadership](#) workshop will be held on Oct. 13 and 27. The workshop will focus on practical ways to bring mindfulness to daily work life and participants will be able to practice mindfulness meditation, and discuss guidelines to change how they think about people, themselves and things in the workplace with a goal of being more calm, clear-minded and emotionally aware. A weeklong [grant writing certificate program](#) will be offered the week of Oct. 2–6. The program will provide an intensive opportunity to acquire the knowledge and practice the skills necessary to succeed in today's competitive grant-writing environment.

Mitchell Lecture on Sustainability: facts, values and better decisions

14 Sep 2017

The 21st century will see unprecedented transformations in human life and vast changes on planet Earth. Key among these are the problems of sustainability, but emerging technologies — especially the intersection of nano-, bio-, information and cognitive technologies — also have the potential to reshape human life. These challenges will require difficult decisions based on both science and our values. Thomas Dietz, professor of sociology and environmental science and policy at Michigan State University (MSU), will discuss these challenges and the decisions we face when he gives the [2017 Mitchell Lecture on Sustainability](#) at the University of Maine on Thursday, Sept. 21. The free public talk, "Facts Versus Values: How Can We Make Better Decisions?" beginning at 1 p.m. in Hauck Auditorium will include remarks by Sen. George Mitchell. Tickets are required and are available [online](#). For more information or to request a disability accommodation, call 207.581.3196. Although there seems to be a broad consensus that we should improve human well-being while protecting the environment, research shows that there are many obstacles to good decision making by individuals, organizations and government. How can we do better? While the obstacles we face are formidable, research on decision making provides ideas on how we can move forward to make decisions that better reflect both the facts and our values. Dietz holds a Ph.D. in ecology from the University of California, Davis. At MSU, he is assistant vice president for environmental research and was founding director of the Environmental Science and Policy Program and associate dean in the colleges of Social Science, Agriculture and Natural Resources and Natural Science. He has co-authored or co-edited 11 books, and more than 100 papers and book chapters. His current research examines the human driving forces of environmental change, environmental values and the interplay between science and democracy in environmental issues. Launched in 2007, the Senator George J. Mitchell Lecture on Sustainability serves as an extraordinary 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 the challenges and opportunities involved in accelerating the transition to a sustainable world. Sharing the stage with these extraordinary thought leaders, Sen. Mitchell offers his compelling insights about the importance of sustainable development, a subject he first addressed in his 1991 book, "World on Fire: Saving an Endangered Earth." The lecture is co-sponsored by UMaine's Senator George J. [Mitchell Center for Sustainability Solutions](#), School of Economics, Margaret Chase Smith Policy Center, School of Food and Agriculture, Center for Research on Sustainable Forests, Honors College, Darling Marine Center, Department of Communication and Journalism, and the Ecology and Environmental Sciences Program. For more information, contact David Sims, Mitchell Center communications and outreach coordinator at 207.581.3244 or david.sims@maine.edu. Contact: David Sims, 207.581.3244

UMaine lake monitoring project bolstered with NSF funding

14 Sep 2017

The National Science Foundation has awarded a one-year, \$100,000 grant for continuing a University of Maine citizen-science project aimed at protecting lake water quality in the state. The grant will help extend the [project](#), which began in 2015 with funding from UMaine's Senator George J. Mitchell Center for Sustainability Solutions, into 2018 and beyond. Maine lakes are home to a diversity of fish and wildlife. They provide economic, social, recreational and aesthetic benefits to the people of Maine and millions of annual visitors. Maine's lakes contribute approximately \$4 billion to the state's economy. However, many lakes are experiencing declining water quality due to a variety of factors — chief among them, a process in which nutrients, such as phosphorus, stimulate the growth of aquatic plant life which usually results in the depletion of dissolved oxygen. This can affect the overall health of the ecosystem and diminish the economic benefits of recreational use, shorefront property values and, when a lake is used as a source of drinking water, lead to significantly higher treatment costs. The initial interdisciplinary project focused on 24 Maine lakes in an effort to develop a lake Vulnerability Index through a blend of biophysical measurements and social science techniques. The index is meant to help predict which lakes are more susceptible to deterioration in water quality via chemical, physical and biological measurements, and identifying — through surveys and interviews — the underlying factors that encourage successful citizen science collaborations. Using data from the first year of the project, the investigators were able to secure additional funding from the Mitchell Center as well as from the Maine Department of Environmental Protection (DEP) and the Maine Outdoor Heritage Fund for the second year of the project beginning in 2017. Collaborators include Maine Volunteer Lake Monitoring Program (VLMP) participants, homeowners, lake associations on lake stewardship activities and the DEP. The project is led by Aria Amirbahman, UMaine professor of civil and environmental engineering, and Firooza Pavri, director of the University of Southern Maine's Muskie School of Public Service, who is conducting the social science component of the project. One of the most important benefits of the project's interdisciplinary and social science approach is that the findings can help policymakers develop more sophisticated tools to address complex environmental problems driven by multiple factors. When fully developed, the Vulnerability Index will provide scientists, regulators and concerned citizens a clear window into the complex interplay of factors that contribute to the health of Maine lakes. Contact: David Sims, 207.581.3244

Engineering students starred during total eclipse

15 Sep 2017

The temperature was north of 93 degrees on Clemson University's Quad and Cameron Sullivan's computer keyboard was so hot it hurt to touch. On the rooftop of the nearby Watt Family Innovation Center, Derek Haas says he felt like a frying egg. But at 2:37 p.m. Aug. 21, the temperature dropped for 2 minutes and 37 seconds when the moon completely blocked the sun. At that point, the two University of Maine sophomores took their attention off the equipment they had been monitoring and, like thousands of other eclipse fans on campus, they looked up. People gasped, applauded and cheered. Bats flew overhead. Cicadas sang. "It was beautiful. It was just amazing," says Haas. "It looked like a portal to another world," says Sullivan. Throughout the summer, Haas, an electrical engineering major, and Sullivan, a computer engineering major, had spearheaded UMaine's participation in the first-ever NASA "Great American Eclipse" project. The mission entailed students from 55 teams nationwide launching unpiloted high-altitude balloons to live stream aerial footage of the total solar eclipse from the edge of space to [NASA's website](#). During their first year at UMaine, Sullivan and Haas took an engineering course that included a high-altitude ballooning component. The unit provides students the opportunity to explore microcontrollers in a real-world application —

collecting and analyzing data from 100,000-plus feet above the Earth. After Sullivan and Haas completed the course, engineering professor Rick Eason invited them to be involved in the history-making NASA project and they signed on. Clemson University in Clemson, South Carolina was nearly smack dab in the middle of the 70-mile-wide path of totality so the UMaine team traveled there to collaborate and obtain the best view of the eclipse from the balloons. In addition to Eason, Sullivan, Haas and engineering staff member Andy Sheaff, 16 engineering students affiliated with the [UMaine High Altitude Ballooning](#) (HAB) group — Joey Arsenault, William Bessette, Jonathan Bland, Stewart Doe, Austin Dube, Dustin Knight, Justin Lipkovich, Michael Lloyd, Chris Martin, Reid Rauch, Helen Rose, Larry Schneider, Kent Seneres, Corbin Study, Eric Tuyishime and Jesse Warren — also took part. High-altitude balloons, says Montana Space Grant Consortium director Angela Des Jardins, are an effective way to provide millions of people a distinct perspective of the rare phenomenon. Live-stream videos from 100,000 feet and above show the curvature of the planet, the blackness of space and the whole of the moon’s shadow crossing the Earth. “Total solar eclipses are rare and awe-inspiring events. Nobody has ever live-streamed aerial video footage of a total solar eclipse before,” Des Jardins said prior to the event. “By live-streaming it on the internet, we are providing people across the world an opportunity to experience the eclipse in a unique way, even if they are not able to see the eclipse directly.” UMaine’s high-altitude balloons are made of latex. Bright orange impact-resistant payload containers — that hold video and still cameras, computers, radio modems and tracking devices — are tethered to each balloon. Per FAA regulations, the total payload per balloon must weigh less than 12 pounds. When the balloons are filled with lifting gas, they swell to about 8 feet in diameter. When released, the balloons ascend about 1,000 feet per minute and expand to about 30 feet in diameter before popping at around 110,000 or 120,000 feet. The cameras take photographs and transmit live video of the planet and sky back to Earth. And when the balloon pops, the cameras and other equipment — including the GPS tracker — parachute to Earth. For their full-time summer jobs, the students from Old Town wrote computer code, did radio transmission calculations, completed multiple practice launches with the UMaine ballooning equipment and trudged into woods far and wide to retrieve the balloon’s payloads. On Aug. 14, one week prior to the total solar eclipse, Haas, Sullivan, Eason, Sheaff and several other students conducted a final test launch at the Pittsfield Municipal Airport. Several days later, members of the UMaine contingent arrived in Clemson, South Carolina to scout launch locations, test equipment and coordinate with Montana and Clemson officials. Because of restricted early morning parking at Clemson (it was student move-in weekend and the Eclipse Over Clemson event was expected to attract as many as 50,000 people), at 4:45 a.m. Haas and Sullivan walked from their hotel to arrive on campus by 6 a.m. In addition to setting up and testing the equipment, UMaine students and staff took part in multiple interviews with local, regional and media, including The Weather Channel, BBC and The Washington Post. Being part of the event was beneficial and meaningful for students in a number of ways, says Eason, including witnessing a rare total solar eclipse, gaining hands-on engineering experience, collaborating with others, problem-solving and traveling. “It was a good example of the kinds of opportunities that come up outside of classroom,” he says. Monitoring balloons at the edge of space from Clemson, South Carolina was quite a distance from rooms in Barrows Hall at UMaine. Haas says the adventure boosted his confidence. “I feel like I’m a step ahead. At the engineering job fair, I’ll have a great opportunity to go up to a business, give my resume and have something to talk about,” he said. That he will. Sullivan too. He was continually trying to keep one of the balloon’s live streams working while simultaneously juggling queries from media broadcasting inches from his station. “I really appreciate Eason offering this to us,” says Sullivan. “My work this summer allowed me to learn from real-world experience. The eclipse taught me how valuable logistics are. Planning and communication are key to the success of any operation.” One by one, the high-altitude balloons of 50-plus teams from 30 state-based Space Grant Consortia across the United States were launched immediately ahead of the path of the eclipse in Idaho, Wyoming, Nebraska, Missouri, Illinois, Kentucky, Tennessee and the Carolinas. UMaine’s balloons were among the last to go airborne — at 1:10 p.m. and 1:20 p.m. Prior to the UMaine launches, Eason, Sullivan and Haas took the stage to address thousands of people assembled on the Quad for the event. Clemson was in full celebratory mode. Astronomy experts also addressed the crowd, the Clemson Tiger Band performed and the planetarium offered cosmic tours. The area around Lake Hartwell on campus provided “tailgazing” sites. On their way to 100,000-plus feet, the balloons and their payloads were subjected to temperatures of minus 35 F. Because of that, NASA used one of UMaine’s balloons for a MicroStrat experiment that simulates “life’s ability to survive beyond Earth — and maybe even on Mars.” NASA provided UMaine with two small metal cards with environmentally resilient bacteria dried onto their surfaces. One card was part of a UMaine balloon payload and the other remained on the ground as a control. The upper portion of Earth’s stratosphere — with its cold, thin atmosphere and exposure to radiation — is similar to Martian conditions, according to NASA. “The August solar eclipse gives us a rare opportunity to study the stratosphere when it’s even more Mars-like than usual,” said Jim Green, director of planetary science at NASA Headquarters in Washington, on the NASA website. “With student teams flying balloon payloads from dozens of points along the path of totality, we’ll study effects on microorganisms that are coming along for the ride.” David J. Smith, principal investigator for the experiment, said on the NASA website after the eclipse that NASA will have “about 10 times more samples to analyze than all previously flown stratosphere microbiology missions combined.” The payload that carried NASA’s experiment snagged in a tree on its return to Earth, but UMaine retrieved it and returned it to NASA for study. Since 2011, UMaine High Altitude Ballooning group has conducted about 75 launches. Eason says while several landed in Canada, as well as in trees, lakes and the ocean, he’s pleased to report the group has, to date, recovered all the payloads. Sheaff says seeing the contingent work together was affirming. “They represented the university in a positive way and I’m super proud of students who went and participated,” he said. “It was good to be able to have students work independently through problems and issues and see them succeed.” The next time there’s a total solar eclipse in the United States — April 8, 2024 — any UMaine HAB group involved in a similar project won’t have far to travel. The path of totality includes northern Maine. Both Sullivan and Haas say wherever they are in 2024, they’ll make an effort to be in the path of totality, which in North America begins in Mexico and arcs toward Maine before exiting from Canada. Sheaff says he’ll be in Mt. Chase, Maine — east of Baxter State Park — where totality is calculated to begin at 3:32.55 p.m. and last three minutes and 27 seconds. “It’s going right over my camp.” Contact: Beth Staples, 207.581.3777

CMJ seminar topics include academic integrity, digital culture, climate change, hate speech

15 Sep 2017

The Department of Communication and Journalism’s fall Colloquium Series begins at noon Monday, Sept. 18 with a roundtable titled “Skills-based Approaches for Teaching Academic Integrity” in Dunn Hall, Room 424. Panelists from the department include doctoral students Dana Carver-Bialer, Bryan Picciotto and Tyler Quiring; lecturer Lily Herakova; and assistant professor Holly Schreiber. Six other public seminars will be held from noon to 12:50 p.m. this semester, all in Dunn 424:

- “Co-citation or Capacity-building? Researcher Perspectives on Success within an Interdisciplinary, Sustainability Science Team,” led by Abby Roche, CMJ doctoral student, Sept. 25
- “News Production of Climate Change Impacts for Diverse Audiences: The Case Study of Sea Level Rise and South Florida,” led by Juliet Pinto, associate professor at Florida International University, Oct. 16
- “Mobilizing Tensions: A Rhetorical Ethnography of Hiking,” led by Picciotto, Oct. 23
- “Constructing Digital Cultures: Tweets, Trends, Race, and Gender,” led by Judith Rosenbaum-Andre, CMJ assistant professor, Oct. 30
- “Navigating Agency: Embodied Politics in the Feminist Classroom,” led by Carver-Bialer, Nov. 6
- “Hate Speech is Free Speech,” led by Paul Grosswiler, CMJ professor, Nov. 13

UMaine's Franco-American Centre to host book reading by Susan Poulin

15 Sep 2017

Actress, author and storyteller Susan Poulin will read from her book, "The Sweet Life," at 6 p.m. Sept. 18 in the Franco-American Centre's Crossland Hall. Poulin is the author of "Finding Your Inner Moose" and the popular humor blog, "Just Ask Ida." She also is an award-winning playwright and actress. In her latest book, Poulin returns to the fictional Maine town of Mahoosuc Mills and the familiar world of popular character Ida LeClair as she offers advice on how to keep relationships fresh, and life as sweet, simple and easy as possible. For more information, call Lisa Michaud, 581.3789.

Machias Valley News Observer reports on start of fall semester at UMM

15 Sep 2017

[Machias Valley News Observer](#) published a University of Maine at Machias news release about the university's welcome breakfast that was held to celebrate longtime employees and kick off the academic year. UMM's leadership team attended, as did leadership from the University of Maine System and the University of Maine, including President Susan J. Hunter. More than 50 UMM faculty and staff members were present to honor each other, the beginning of the partnership with UMaine, and significant UMM achievements and initiatives. In her remarks, President Hunter highlighted several key UMM initiatives, including Family Futures Downeast, a two-generation program that combines post-secondary education and workforce development with high-quality early education.

Sun Journal advances new 4-H livestock show at Farmington Fair

15 Sep 2017

The [Sun Journal](#) reported a new 4-H livestock show will debut at 6:30 p.m. Monday, Sept. 18 during the 177th annual Farmington Fair. The Politically "Cow-rect" Livestock Show will test the cow-showing skills of some local politicians and town officials, according to the article. The livestock show will follow the annual 4-H show taking place at 4 p.m. After showing their animals, the youth will mentor the politicians, according to Judy Smith, community education assistant for Franklin County 4-H. In Maine, each county's 4-H program is supported by the University of Maine Cooperative Extension.

Tufts to apply Allan's hazing research on campus, Tufts Daily reports

15 Sep 2017

[The Tufts Daily](#), the student newspaper of Tufts University, reported the school has joined a Hazing Prevention Consortium under the organization StopHazing. Elizabeth Allan, a professor of higher education at the University of Maine, is president of StopHazing and has conducted national studies on hazing. According to Kevin Kraft, Tufts' director of community standards, joining the consortium means the university will apply Allan's research on campus as part of a three-year effort to address community engagement around inclusivity.

Maine Sea Grant's seafood guide cited in Mainebiz article on edible seaweed

15 Sep 2017

The Maine Sea Grant College Program at the University of Maine was mentioned in the [Mainebiz](#) article, "Edible seaweed, the next great Maine brand?" While many of the 250 types of seaweed found in the Gulf of Maine are edible, only 11 are commercially harvested, according to Maine Sea Grant's online Maine Seafood Guide. The guide's section on "sea vegetable or seaweed" lists companies that harvest or market locally grown seaweed in the state, Mainebiz reported.

FBRI mentioned in Biofuels Digest report on adding value to forest industry

15 Sep 2017

The University of Maine's Forest Bioproducts Research Institute was included in the [Biofuels Digest](#) article, "Bounding Maine: Top 10 companies targeting Maine's forest resource for higher-value apps." Last September, the Defense Logistics Agency announced it will invest \$3.3 million to advance wood to jet fuel technology at the Technology Research Center of FBRI. The technology is based on FBRI's patented thermal deoxygenation process, which was shown to yield jet fuel test samples that have met key specifications, according to the article. UMaine's research approach, based on potential sustainable supply of woody biomass, will provide new opportunities for high-value use as an alternative to direct combustion in biomass power plants, where energy efficiency is often very low, the article states.

BDN previews five new UMaine Museum of Art Exhibits

15 Sep 2017

The [Bangor Daily News](#) reported on five exhibitions slated to open Sept. 15 at the University of Maine Museum of Art in downtown Bangor. The exhibits "provide a wealth of different colors, textures, attitudes and approaches to experience, from boldly abstract camera-less photography to bright, sensual, figurative paintings," the article states. Photography is a medium George Kinghorn, the museum's director and curator, repeatedly has returned to when choosing exhibits, according to the article. "What we want when people see these exhibits is for them to really think about what photography means. With the rise of digital photography and iPhones, we're constantly surrounded by it," Kinghorn said. The exhibits — "Traces" by Amy Theiss Giese and Keliy Anderson-Staley; "Tintype Portraits" by Anderson-Staley; "Littoral Drift Nearshore" by Meghann Riepenhoff; "Maine and Again" by Jack Balas; and a selection from UMMA's permanent collection — will be on display through Dec. 30.

Pulse Morning Show interviews Glover about Scholars Strategy Network, DACA

15 Sep 2017

Robert Glover, an assistant professor of honors and political science at the University of Maine, was a recent guest on the [Pulse Morning Show](#) (WZON AM 620). Glover spoke about the Trump Administration's recent decision to end the Deferred Action for Childhood Arrivals (DACA) program, as well as the work of the Scholars Strategy Network in Maine and the nation. Glover is the co-leader of the Maine chapter of the national network, which brings together scholars across the country to address public challenges and their policy implications.

Center on Aging grad assistant speaks with BDN about end-of-life planning

15 Sep 2017

Silas Walsh, a graduate research assistant at the University of Maine Center on Aging, was interviewed by the [Bangor Daily News](#) for an article about end-of-life discussions. "Topics related to aging and death are uncomfortable, and it's easier to push decisions down the road and not think about it," Walsh said, adding that 75 percent of people interviewed say they want to die in their homes, but only 25 percent do. At the UMaine Clinical Geriatrics Colloquium on Oct. 20, Walsh will help organize and facilitate a noontime "death lunch" for people attending the conference — mostly professionals working in health care, education, counseling, law, advocacy and other aging-related fields — to learn to create a relaxed, social environment for discussing the deeply personal and yet universal topic of dying, the article states. "The goal is to prompt an honest conversation about death, which is a taboo topic in today's society," said Walsh, who is pursuing a master's degree in social work.

Author, activist Nicolazzo to lecture Sept. 19

18 Sep 2017

Author, educator and activist Z Nicolazzo will speak Sept. 19 at the University of Maine. The free public lecture, "Honor Our Dead and Fight Like Hell for the Living," will take place at 5 p.m. in Minsky Recital Hall. Nicolazzo is an assistant professor in the Adult and Higher Education Program, and a faculty associate in the Center for the Study of Women, Gender and Sexuality at Northern Illinois University. Nicolazzo examines the legacies of resistance, resilience and love of transgender people, especially transgender women of color. Nicolazzo's research focuses on mapping gender across college contexts, with a particular emphasis on affirmative and resilience-based research alongside transgender students. Nicolazzo has published on transgender college students in a variety of national and international publications, and is the author of "Trans* in College: Transgender Students' Strategies for Navigating Campus Life and the Institutional Politics of Inclusion," which was awarded the 2017 Publication of the Year by the American Educational Research Association.

Quartz cites Fried in article on American left

18 Sep 2017

[Quartz](#) cited Amy Fried, a political science professor at the University of Maine, in the article, "The American left has its own Tea Party, and it's coming for Donald Trump." The article cited a Bangor Daily News blog post by Fried that described the effort of Maine residents to persuade Sen. Susan Collins to vote to kill the latest effort to repeal Obamacare. "The effort seemed a perfect illustration of democracy in action: a concerted, civil, and well-argued public pressure campaign in which the politician actually listened and changed," the article states.

BDN interviews Livingston about black spots on maple leaves

18 Sep 2017

William Livingston, an associate professor of forest resources at the University of Maine, spoke with the [Bangor Daily News](#) for an article about black blotches that are often found on maple tree leaves in Maine. The black tar spot fungus affects Norway maple trees, which are native species of Europe, not New England, according to Livingston. However, the trees are prevalent throughout much of the Northeast, and the specific fungus does not impact the region's native maple trees, according to the article. While the fungus becomes more visible toward the middle and end of summer, the disease claims the Norway maple leaves in the spring. At this time, any infected leaves that remain on the ground from the previous fall can release fungal spores that have remained dormant, Livingston said. Since fungi thrive in moist conditions, a wet spring can amplify the spreading of these spores, as it did this year, the article states. "[The fungus is] just feeding on the leaf for its food," Livingston said. "So it's like mold growing on bread that's getting food from the bread."

Strong, Mayewski, Isenhour speak with Press Herald for article on climate refugees

18 Sep 2017

Several University of Maine professors were quoted in the [Portland Press Herald](#) article, "Climate refugees could see safety in Maine." Low-lying coastal communities in the United States face the prospect of "managed retreat" — the deliberate demolition of vulnerable properties following buyouts or abandonment following devastating storms, according to the article. "It's hard to predict where people will go," notes Aaron Strong, a professor of coastal and marine policy at UMaine. Human behavior "is one of the hardest things to model in terms of climate change impacts." Paul Mayewski, director of UMaine's Climate Change Institute, said he predicts Maine's population "will increase dramatically in the next 20 years." Climate adaptation planning happens largely now at the municipal level, the Press Herald reported. There, it is "still really focused on the physical end — culverts, waterfront redesign and flood management," said Cynthia Isenhour, a professor of anthropology at UMaine.

Think 30 mentioned in BDN report on reducing college debt

18 Sep 2017

The University of Maine's Think 30 initiative was mentioned in a [Bangor Daily News](#) article about how Maine universities are trying to reduce college debt.

Think 30 is aimed at spreading the word that the longer a student takes to earn their degree, the higher their chances are of accumulating crippling debts, according to the article. Think 30 encourages students to earn 30 credits each year in order to graduate within four years. Taking five or six years to graduate has been shown to increase student debt by \$10,000 or more, the article states. The program also encourages students to earn a few of their credits during brief winter and summer sessions, or by studying online, to speed up the process and increase their chances of getting everything done in time, the BDN reported.

UMaine Extension to offer smoked chicken seminar Sept. 27

19 Sep 2017

The technique, nutrition and safe preparation of smoked whole chicken will be the focus of a seminar Sept. 27 presented by three University of Maine Cooperative Extension experts. The smoked chicken seminar will be held from 11 a.m. to 1 p.m. at the J. Franklin Witter Teaching and Research Center, 160 University Farm Road, Old Town. The cost is \$10 per person and includes lunch. Registration is [online](#). UMaine Extension livestock specialist Colt Knight will demonstrate how to prepare whole and quartered chicken for barbecuing using a charcoal smoker. Robson Machado, assistant Extension professor and food scientist, will discuss safety and hygiene related to handling raw and cooked chicken. Kate Yerxa, a registered dietician and statewide Extension educator for nutrition and physical activity, will review the nutritional benefits of chicken, as well as the cost effectiveness of buying whole chickens and quartering them. This seminar is designed for anyone interested in learning more about food safety and the smoking process, and is valuable for poultry producers who provide their clients with information about how to prepare their products. For more information or to request a disability accommodation, contact Knight at 581.2953, colt.knight@maine.edu.

Sara Morris to deliver Distinguished Honors Graduate Lecture

19 Sep 2017

The Honors College at the University of Maine will present the TIAA 2017–18 Distinguished Honors Graduate Lecture with Sara Morris on Tuesday, Sept. 26. Morris will present “Accounting for Happiness: The Rewards of Unlikely Career Choices, and the Lasting Value of Kindness,” at 3:30 p.m. in Neville Hall, Room 101. The lecture is free and open to the public. Morris earned a bachelor’s degree in accounting from the University of Maine in 1986 with highest honors and highest distinction. She began her career as a CPA in Boston with Deloitte & Touche, and has held senior leadership positions with high-growth financial services companies for more than 23 years. Morris currently is a managing director with Stone Coast Fund Services. Located in Portland, Maine, Stone Coast is an award-winning hedge fund administration company servicing more than \$53 billion in assets, 80 hedge fund managers across the country, and investors around the world. The Distinguished Honors Graduate Lecture series is a collaboration between TIAA and the Honors College, and is co-sponsored this year by the Maine Business School. Each year, the lecture highlights the accomplishments of a UMaine Honors graduate. The event serves as an opportunity to recognize the individual’s accomplishments, vision and connection with the Honors College and UMaine.

Morning Ag Clips previews UMaine Extension 4-H auction in Freedom

19 Sep 2017

[Morning Ag Clips](#) reported the University of Maine Cooperative Extension 4-H in Waldo County will hold a live 4-H auction and bake sale beginning at 1 p.m. Oct. 14 at Dirigo Grange in Freedom. Waldo County businesses and individuals donated to make the auction possible and all proceeds support Waldo County 4-H scholarships and programs. The auction can be previewed online or in person before the auction.

AP reports on \$100,000 NSF grant to fund lake quality study

19 Sep 2017

The Associated Press reported the National Science Foundation has awarded a one-year, \$100,000 grant for continuing a University of Maine citizen science project geared at protecting the water quality of lakes. The grant will help extend the project, which began in 2015 with funding from UMaine’s Senator George J. Mitchell Center for Sustainability Solutions, into 2018 and beyond. Maine lakes contribute about \$4 billion to the state’s economy through recreational and other uses, but they also are experiencing a decline in water quality, the article states. One of the biggest concerns, according to UMaine researchers, is nutrients stimulating the growth of aquatic plant life, which results in depletion of dissolved oxygen and can harm the health of the ecosystem and lead to higher treatment costs for lakes that are used as a source of drinking water. The project involves developing a “lake vulnerability index,” AP reported. Maine Public, [U.S. News & World Report](#), [The Washington Times](#) and WRAL carried the AP article.

UMaine Extension offers Venison 101

20 Sep 2017

University of Maine Cooperative Extension will offer a daylong workshop on deer health in Maine and the safe processing of venison 8:45 a.m.–4 p.m. Sept. 30 at the University of Maine’s J. Franklin Witter Teaching and Research Center, 160 University Farm Road, Old Town. The hands-on program is designed for both new and experienced hunters who want to expand their knowledge of deer health and diseases, safe field dressing techniques, and venison processing and preserving. Presentations will include demonstrations and product tasting. Teens are welcome with parental consent. The \$50 fee (\$25 for each additional family member) includes lunch; preregistration is required and available [online](#). For more information or to request a disability accommodation, contact Robson Machado at 581.3144, robson.machado@maine.edu.

Cohesive Escher String Quartet to perform Sept. 24 at Minsky Hall

20 Sep 2017

The Escher String Quartet, acclaimed for its musical insight and tonal beauty, will perform at 3 p.m. Sunday, Sept. 24 at Minsky Recital Hall. Musicians Adam Barnett-Hart (violin), Aaron Boyd (violin), Pierre Lapointe (viola) and Brook Speltz (cello) take their name from Dutch graphic artist M.C. Escher because they’re inspired by his method of interplay between individual components working together to form a whole. The New York ensemble came to the attention of key musical figures worldwide soon after forming in 2005. Itzhak Perlman invited the group to be Quartet in Residence at the Perlman Chamber

Music Program on Shelter Island, New York. A former BBC New Generation Artist, the quartet has performed at the BBC Proms at Cadogan Hall and is a regular guest at Wigmore Hall. After the concert, Andres von Huene's sculpture *Mina* will be unveiled. The sculpture was created in association with the Littlefield Gallery Sculptor-in-Residence Program. It will reside in the CCA lobby. Following the dedication, a reception will be held for the musicians and concert attendees. For more information, and to buy tickets (\$35 for adults), visit the [CCA website](#). For free tickets for K–12 youth accompanied by a paying adult, call 581.1755. This is a selection in the John I. and Elizabeth E. Patches Chamber Music Series; K–12 students will be admitted free to chamber music shows this season.

Professor Emeritus Sader to lead Bangor tree ID walk, WABI reports

20 Sep 2017

[WABI](#) (Channel 5) reported the Bangor Land Trust will hold a tree identification walk through a portion of the Walden-Parke Preserve at 10 a.m. Saturday, Sept. 23. Steven Sader, a professor emeritus of forest resources at the University of Maine, will lead the walk, which will cover about a mile and should last about 90 minutes. Organizers said walkers can expect to see more than 30 tree species, WABI reported.

Maine fishermen: adapting in a sea of change

20 Sep 2017

Increasing environmental uncertainty coupled with rapidly changing market conditions in the Gulf of Maine raise important questions about the ability of Maine's commercial fishermen to adapt. How resilient is the industry to these shifting waters? Who is best positioned to adapt and who is most vulnerable? "We have started to explore these questions by studying the relationships fishermen have to marine resources in Maine," says Joshua Stoll, assistant research professor at the University of Maine School of Marine Sciences and lead author of the paper "Uneven adaptive capacity among fishers in a sea of change" published in the peer-reviewed journal [PLOS ONE](#). "Most assessments of adaptability are conducted at the community scale, but our focus is on individual-level adaptive capacity because we think community-level analyses often obscure critical differences among fishermen and make the most at-risk groups invisible," says Stoll, whose research was funded in part by a grant from the UMaine [Senator George J. Mitchell Center for Sustainability Solutions](#), where he is a Faculty Fellow. In their analysis, Stoll and co-authors Beatrice Crona and Emma Fuller identified over 600 types of fishing strategies in Maine based on the combinations of marine resources that fishermen target to support their livelihoods. "Even though we have a tendency to think 'lobster' when anyone mentions Maine's marine resource economy, the reality is that people also harvest scallops, urchins, clams, elvers, seaweed, and many other marine species," Stoll says. "Understanding these different connections, which have been largely ignored, is critical to understanding if, when, and how a person responds to changes in environmental and market conditions." Using six attributes of adaptive capacity that were identified by fisheries experts in Maine, Stoll and his co-authors evaluated each fishing strategy employed in Maine and found that only 12 percent of commercial fishermen are well positioned to adapt in the face of changing socioeconomic and environmental conditions. This is due in part to the nature of the rules and regulations that are being implemented to curb overfishing and sustain fish stocks. These rules not only act to constrain the types of gear used, where and when fish are targeted, and the size of fish that can be taken, but they also act to constrain who and how many people can participate by way of limiting entry. "I think you could potentially look at the results of our research and hit the panic button," Stoll says, "but if you do, you're missing a key point." That is, the commercial fishing sector has a long history of overcoming adversity and an aptitude for innovation when confronted with challenges. "The key takeaway from our research is that more attention needs to be given to the complex connections fishermen have to different fisheries," says Stoll. Such attention can help marine resource managers and policymakers better understand the vulnerabilities the commercial fishing sectors have to potential changes on the horizon, including, for example, rapid fluctuations in the price of particular fish or decreases in availability of a species as the result of climate change. Contact: David Sims, Communications and Outreach Coordinator, Senator George J. Mitchell Center for Sustainability Solutions, 207.581.3244; david.sims@maine.edu

President Hunter to receive MDF Leadership Award

20 Sep 2017

University of Maine President Susan J. Hunter will receive the 2017 Kenneth M. Curtis Leadership Award from the Maine Development Foundation on Sept. 28. The award will be presented at the foundation's 39th Annual Meeting and Summit at the Cross Insurance Center in Bangor. "President Hunter has a distinguished career in research and higher education, capped by bringing her steady hand to guiding UMaine through a challenging transformative period in higher education with growing enrollments, strategic focus and innovative approaches," says Yellow Light Breen, president and CEO of the Maine Development Foundation. "Her leadership inspires other leaders, both in and outside the university, earning her multiple nominations from fellow Leadership Maine alumni." The Kenneth M. Curtis Leadership Award recognizes those who demonstrate exceptional, dynamic leadership in the community and the state, and are an example to others. The award is named in honor of the former Maine governor who "articulated the need for leaders who can influence change in the face of conflict and who has lead by example." Maine Development Foundation is a private, nonpartisan membership organization that drives sustainable, long-term economic growth for Maine. MDF's strategic focus is a productive workforce. Its membership of over 250 represents private companies, educational institutions, municipalities, government agencies, and nonprofit organizations statewide. Dr. Hunter has been UMaine's 20th President since 2014. UMaine achievements during her presidency include significant advances in student recruitment, fundraising, and external relations and advocacy with new and existing partners statewide. As a community leader, President Hunter has served on the board of directors of the Bangor Symphony Orchestra, the Maine School of Science and Mathematics and the Maine Mathematics and Science Alliance, and participated in a planning initiative for the Maine Arts Commission Steering Committee, in preparation for a Cultural Strategic Plan for the state of Maine. Currently, she serves on the boards of Maine & Company, and the Maine Development Foundation, and on the advisory network for the Olympia Snowe Women's Leadership Institute. In 2016, President Hunter was inducted into the Deborah Morton Society at the University of New England. And Sept. 16, she received the Collins Center for the Arts Wilma Award for substantial contributions to the center, and to the promotion and enhancement of cultural activities in Maine. Contact: Margaret Nagle, 207.581.3745

Thomas Jefferson Scholarship student from Tunisia at UMaine

21 Sep 2017

Khouloud Gaza, a third-year student majoring in mechatronics engineering at National School of Engineers of Sousse, has joined the University of Maine community for the academic year as part of the Tunisia Undergraduate Scholarship Program of the U.S. Department of State's Thomas Jefferson Scholarship

Program. Gaza is the first student to study at UMaine under the Tunisia UGRAD program, designed to build the workforce capacity of a diverse group of youth leaders. To gain hands-on experience in their fields of study, Tunisia UGRAD students participate in online career preparation activities in their fall semester and undertake professional internships in the community during their spring semester. Thomas Jefferson Scholars return to Tunisia with the knowledge, skills, and abilities to be leaders and innovators in their fields, and contribute positively to Tunisia's economic development. The Thomas Jefferson Scholarship Program's Tunisia Undergraduate Scholarship Program is sponsored by the State Department's Bureau of Educational and Cultural Affairs and implemented by the international nonprofit IREX. More information about the program is [online](#).

FIJI to host second annual 'Humvee Push' to raise money for troops

21 Sep 2017

The University of Maine Phi Gamma Delta (FIJI) Omega Mu chapter invites teams to compete in a "Humvee Push" from noon to 3 p.m. Saturday, Sept. 23 to raise money for the United Service Organizations (USO) to support U.S. troops. The team that pushes a Down East Emergency Medical Institute (DEEMI) Humvee 20 yards in the fastest time will win. The event, which is sponsored by DEEMI, will be held in the tennis court parking lot near the New Balance Student Recreation Center. The entry fee is \$5 per person and teams can have five to six people. To enter and for more information, contact Christian Guignard at christian.guignard@maine.edu or 400.0895.

President Hunter to receive MDF Leadership Award, Penobscot Times reports

21 Sep 2017

[The Penobscot Times](#) published a University of Maine news release announcing UMaine President Susan J. Hunter will receive the 2017 Kenneth M. Curtis Leadership Award from the Maine Development Foundation at the organization's annual meeting on Sept. 28 at the Cross Insurance Center in Bangor. The Kenneth M. Curtis Leadership Award recognizes those who demonstrate exceptional, dynamic leadership in the community and the state, and are an example to others. "President Hunter has a distinguished career in research and higher education, capped by bringing her steady hand to guiding UMaine through a challenging transformative period in higher education with growing enrollments, strategic focus and innovative approaches," said Yellow Light Breen, president and CEO of the Maine Development Foundation. "Her leadership inspires other leaders, both in and outside the university, earning her multiple nominations from fellow Leadership Maine alumni."

Gill cited in CNET article on extinction, genetically modified animals

21 Sep 2017

Jacquelyn Gill, a professor of paleoecology at the University of Maine, was quoted in a [CNET](#) article looking at whether genetically modified hybrid animals could rehabilitate ecosystems that have been harmed by human development. By introducing ecological pressures like pollution, poaching, habitat loss, and global climate change, humans have contributed to species dying off at 1,000 times the natural background rate, ushering in what some call the sixth major mass extinction event in Earth's history, according to the article. "From the top of the atmosphere to the bottom of the ocean, we have influenced everything," Gill said at the American Association for the Advancement of Science (AAAS) meeting in Boston earlier this year. "On some level, that's terrifying, but maybe it frees us up a little to be flexible with our thinking." The idea of "facilitated adaptation" hypothesizes that damage done to wildlife can be managed, and even reversed, by manually retooling the genes of threatened species for survival, the article states. "Climate change, and how it intersects with other threats, is going to force us to be super creative when it comes to saving species," Gill said. "This idea of trying to leverage the helpfulness of large animals to help other animals is an argument I can get behind. The idea of bringing extinct species back to life just to satiate scientific curiosity, however, is a harder sell." [Futurism](#) and [Motherboard](#) also quoted Gill in articles on the same topic.

UMaine School of Nursing to celebrate largest first-year class in decades with White Coat Ceremony

21 Sep 2017

Maine will be one step closer to closing the gap in its health care workforce when 115 University of Maine School of Nursing students — the largest first-year class in recent history — take an oath of compassionate care on Friday, Sept. 22 at 7 p.m. Nearly 300 parents, teachers, alumni and students will gather at the Hilton Garden Inn in Bangor for the Arnold P. Gold Foundation and American Association of Colleges of Nursing White Coat Ceremony. "The most important element of the ceremony is the oath that students take in front of family members, school leadership and their peers to acknowledge their central obligation to care for patients," says Mary Walker, director of the School of Nursing. During the ceremony, the students will also receive a white nursing coat and lapel pin that reads, "Keeping Healthcare Human." "The tenor of the gift is directed toward emphasizing that science is informed by compassionate care. These pins serve as a visual reminder to students that, in order to deliver the best care to their patients, compassion and empathy must be the hallmarks of their clinical practice," Walker says. Only 50 programs are competitively selected to receive the Gold Foundation funding each year. The University of Maine's School of Nursing was the first in the University of Maine System and the only program in the state selected to receive grant funding for the ceremony this year. School of Nursing alumna Karen Clements, chief nursing officer of Dartmouth-Hitchcock Medical Center in New Hampshire, will address the class as the evening's keynote speaker. UMaine President Susan J. Hunter and Fred Servello, dean of the UMaine College of Natural Sciences, Forestry, and Agriculture, will also speak during the event. By 2022, there is an expected shortfall of 3,300 nurses in Maine, and 100,000 nationwide. To address this growing need, the University of Maine lifted its undergraduate enrollment cap from 85 to 115 students for this year's incoming class in the School of Nursing. Contact: Erin Miller, 207.581.3204

Blue Sky Strategic Plan Assessment Forums begin Sept. 27

21 Sep 2017

A series of Blue Sky Strategic Plan Assessment Forums are scheduled this fall seeking input from members of the University of Maine community about UMaine's five-year strategic plan. The series begins Sept. 27 with a town hall-style event at 3:30 p.m. in Hauck Auditorium. Leading the kickoff forum will be UMaine President Susan J. Hunter and Provost Jeffrey E. Hecker. They will present an overview of the assessment process and its importance in helping lay the foundation for UMaine's next strategic plan. The initial forum will be followed by five others, each focused on the five pathways of the Blue Sky

Strategic Plan. The forums are designed to create a venue for meaningful sharing of ideas about the progress we have made and lessons learned along the way. All of the forums in October and November will be held from 9–10 a.m. in the Bangor Room, Memorial Union:

- **Pathway 1** — Serving Our State: Catalyzing Maine’s Revitalization, Oct. 4, led by Vice President Jake Ward;
- **Pathway 3** — Embracing a Culture of Excellence: Promoting Spirit, Community and Collaboration, Oct. 11, led by Associate Provost Monique LaRocque;
- **Pathway 2** — Securing Our Future: Ensuring Financial Sustainability, Oct. 19, led by University of Maine Foundation President Jeffery Mills;
- **Pathway 4** — Transforming Lives: Strengthening the UMaine Undergraduate and Graduate Student Experience, Oct. 25, led by Assistant Vice President Kenda Scheele;
- **Pathway 5** — Restoring the Dream: Renewing Pride and Stewardship of Place, Nov. 8, led by Executive Director Stewart Harvey.

Videos of each of the forums and a feedback form will be available online. “Sharing what the pathway teams have learned with the campus community, and gathering feedback from the community about where we are and where we should be headed, are critical to the success of the assessment process,” said Provost Hecker. “President Hunter and I encourage our faculty, staff and interested students to attend the Sept. 27 forum as well as one or more of the pathway forums.” In the spring of 2017, President Hunter directed Provost Hecker to develop a plan to assess the 2012–17 Blue Sky Strategic Plan. A steering committee and five pathway teams were formed to oversee the assessment process, designed to evaluate what UMaine has and has not done, and what needs to be done as the UMaine community collectively moves forward. As President Hunter noted in her Sept. 20 community letter, the strength of the Blue Sky plan came from the hundreds of UMaine community members who provided input and aided in its implementation. That same community engagement is needed now in the assessment forums, she said. “Just as we did at the start of the strategic plan process, it’s critical to hear any and all feedback and reflections on the past five years at UMaine,” President Hunter said. “At the start of our strategic planning process, input from the many members of the UMaine community mattered. Now, it’s important that everyone engage again, also to help shape the next chapter in UMaine’s history.” Contact: Margaret Nagle, 207.581.3745

Dill receives 2017 NEBHE Higher Education Excellence Award

22 Sep 2017

The New England Board of Higher Education (NEBHE) awarded Maine state Sen. Jim Dill, a University of Maine Cooperative Extension professor, the regional Higher Education Excellence Award at the organization’s board meeting Sept. 14 in South Portland. Dill, an expert on ticks, is a UMaine Extension professor of pest management, as well as a cooperating professor in the School of Biology and Ecology. He is serving his second term in the Maine Senate, after serving two terms in the Maine State House of Representatives. He also serves on the National Conference of State Legislature Education Committee. The New England Higher Education Excellence Award is given in recognition of exceptional leadership on behalf of higher education and advancement of educational opportunity, according to NEBHE. The organization has formally recognized individuals and groups with the award since 2003. More about Dill and the award is online.

Republican Journal advances climate, weather workshop series for teachers

22 Sep 2017

[The Republican Journal](#) reported the University of Maine Hutchinson Center in Belfast will offer a series of three professional development workshops on using data to teach about climate and weather. The sessions will be held 4–6 p.m. Oct. 11, Oct. 26 and Nov. 16. The series will be of special interest to middle and high school science, math and social science teachers who seek to engage students in an evidence-based understanding of Earth’s climate system. The sessions will use data from NOAA, the UMaine Climate Change Institute, and other sources, combined with teaching strategies and technology to support students’ ability to explore, and interpret weather and climate. Molly Schaffler, an assistant professor of Earth sciences at UMaine, will facilitate the workshops.

Williams speaks about upcoming ‘Million Dollar Quartet’ musical on WABI

22 Sep 2017

Danny Williams, executive director of the the Collins Center for the Arts at the University of Maine, visited the [WABI](#) (Channel 5) studio to speak about an upcoming musical. “Million Dollar Quartet” will be performed at 7 p.m. Tuesday, Sept. 26 at the CCA. The musical was inspired by the famous one-time recording session that brought together Elvis Presley, Johnny Cash, Jerry Lee Lewis and Carl Perkins, WABI reported. “It’s a really good musical with an unbelievable soundtrack,” Williams said. Tickets are available [online](#).

Maine Public interviews Donaldson for report on district consolidation

22 Sep 2017

Gordon Donaldson, professor emeritus of education at the University of Maine, spoke with [Maine Public](#) for the report, “10 years later, Maine schools still wrestle with district consolidation.” Ten years ago, Maine Gov. John Baldacci signed a law changing the structure of education across the state, forcing districts to consolidate with schools in nearby towns to save money. But a decade later, the consolidation experiment has led to more conflict than success in many districts, Maine Public reported. “In Maine, it’s always going to come down to the local unit and the local community,” Donaldson said. “And I think that’s the way it should be.” He added that while some of the larger districts have stayed together and thrived, dozens of others have fallen apart as communities have sought to regain local control of their schools. One reason consolidation didn’t work in so many districts, according to Donaldson, is that few saved money, and some communities feared the closure of a local school.

WABI previews fraternity’s ‘Humvee Push’ to raise money for troops

22 Sep 2017

[WABI](#) (Channel 5) reported the University of Maine Phi Gamma Delta (FIJI) Omega Mu chapter will host its second annual “Humvee Push” from noon to 3 p.m. Saturday, Sept. 23. Teams are invited to push a Down East Emergency Medical Institute (DEEMI) Humvee 20 yards in the tennis court parking lot near

the New Balance Student Recreation Center. The team with the fastest time will win. The event is held to raise money for the United Service Organizations (USO) to support U.S. troops. “We’ve had brothers in the past in our fraternity that have served and done their part for our country so giving back to the troops, it means a lot to us,” said UMaine student Jeremy Binding.

‘Million Dollar Quartet’ comes to CCA Sept. 26

22 Sep 2017

The Tony Award-winning musical “Million Dollar Quartet” will be performed at the Collins Center for the Arts at 7 p.m. Tuesday, Sept. 26. The show depicts a recording session organized by the “Father of Rock ‘n’ Roll” Sam Phillips, who brought Johnny Cash, Jerry Lee Lewis, Carl Perkins and Elvis Presley together at the Sun Records studio in Memphis for one unforgettable night on Dec. 4, 1956. Tickets can be purchased [online](#), at the box office in the Collins Center for the Arts, or by calling 581.1755. More information is on the CCA [website](#).

Tuesdays at the IMRC begins Sept. 26 with musician Vic Rawlings

25 Sep 2017

Musician Vic Rawlings will kick off the Intermedia MFA program’s fall 2017 visiting artist lectures series, known as [Tuesdays at the IMRC](#), 7–8 p.m. Sept. 26. The Boston-based Rawlings is a multi-instrumentalist fluent in many styles on the guitar, bass, banjo, mandolin, ukulele and tenor banjo. He has played in live bands and on recordings ranging from rock, classic country and blues to various forms of pop, metal, punk, noise and free improvisation. Rawlings, who also teaches music, has recorded as a credited composer and for-hire multi-instrumentalist for television, radio, film and theater productions. The series includes compelling speakers and contemporary and interdisciplinary artists and performers from around the country and world. Other scheduled performances in the free series are Charlie Morrow, Oct. 3; Shaun Leonardo, Oct. 5 (Thursday); Luciano Chessa, Oct. 17; Jon Ippolito and Joline Blais, Nov. 7; Sam Van Aken, Nov. 14; and Becca Albee, Dec. 5. To request a disability accommodation, email info@imrccenter.com. The Innovative Media, Research and Commercialization (IMRC) Center is in Stewart Commons.

College of Education and Human Development to host Education Research Forum

25 Sep 2017

The public is invited to an Education Research Forum sponsored by the University of Maine College of Education and Human Development on Friday, Sept. 29. The forum will be held 3–4:30 p.m. in the Bodwell Lounge at the Collins Center for the Arts. It will feature presentations on research projects funded by one-time seed grants the college awarded to teams of researchers in 2016. The grants were awarded to projects that emphasized potential for future scholarship and broad collaboration with other faculty at UMaine and beyond, as well as staff and students. The lineup for the research forum includes:

- “Correlation of the Optogait System with the Timed Up and Go Test in Senior Citizens,” presented by Christopher Nightingale, assistant professor of athletic training and physical education
- “Empowering a Community to Address Issues of Poverty and Trauma: Innovative School Reform and Community Engagement,” presented by Ian Mette and Catharine Biddle, assistant professors of educational leadership
- “Enhancing Positive School Climate with Hazing Prevention: A Pilot Study,” presented by Elizabeth Allan, professor of higher education; Leah Hakkola, assistant professor of higher education; and David Kerschner, doctoral student in higher education
- “Using Dynamic Diagrams to Model Multiplication and Division: A Descriptive Study of Visual Literacy,” presented by Justin Dimmel, assistant

- professor of mathematics education and instructional technology; and Eric Pandiscio, associate professor of mathematics education
- “WRITEscience: Writing within Science on the National Writing Project Model,” presented by Ken Martin, assistant professor of literacy education
- “Strategies for Enhancing Student Learning in a Simulated Mixed Reality Teaching Experience,” presented by Courtney Angelosante, lecturer in special education; and Jim Artesani, associate professor of special education

For more information, contact Casey Kelly at 581.3751, casey.kelly@maine.edu.

Ellsworth American advances Maine Gleaning Week

25 Sep 2017

[The Ellsworth American](#) reported Healthy Acadia and the Maine Gleaning Network have announced the inaugural Maine Gleaning Week, Oct. 7–16. The week will feature a collection of gleaning events — farm surplus rescue efforts that will gather crops and food that might otherwise be left in the fields or go to waste — from farms, community gardens, and farmers markets, according to the article. The Maine Gleaning Network, formed in 2015 as part of Healthy Acadia’s Downeast Gleaning Initiative, provides technical assistance to emerging gleaning organizations and community groups around the state. The network is supported by the Quimby Foundation and Harvard Pilgrim Health Foundation, in partnership with Healthy Acadia, Good Shepherd Food Bank, University of Maine Cooperative Extension, Food Recovery Coalition and the Maine Network of Community Food Councils, the article states. Maine Gleaning Week and UMaine Extension also were mentioned in a [Portland Press Herald](#) feature article on Kayla Blindert, gleaning coordinator of the Cumberland County Food Security Council.

UMaine welcomes 115 School of Nursing students, media report

25 Sep 2017

[WABI](#) (Channel 5) reported 115 University of Maine School of Nursing students — the largest first-year class in recent history — took an oath of compassionate care during the Arnold P. Gold Foundation and American Association of Colleges of Nursing White Coat Ceremony. With many Maine nurses nearing the retirement age, it’s expected that by 2022 the state will experience a shortfall of more than 3,000 nurses, according to the report. Enrolling in the UMaine School of Nursing provides an opportunity for students to find steady jobs, and in many cases fulfill lifelong ambitions, WABI reported. “I’ve always wanted to go to UMaine so this is a really big deal that I actually got accepted,” said UMaine nursing student Ally Clark Bonsant. “I’m really pursuing my dream of being a nurse, and it just really seals the deal that I’m actually about to do this and this is going to be the rest of my life.” Bonsant and Kelley Strout, an assistant professor of nursing at UMaine, also were recent “Good Morning Maine” guests on [WVII](#) (Channel 7). [Mainebiz](#) and the [Bangor Daily News](#) also reported on the incoming nursing students. The BDN also reported the flagship campus is considering helping the University of Maine at Machias launch its own nursing program.

SEA Fellows share research about lobster shell strength, scallop farming

26 Sep 2017

More than 70 students, researchers, fishermen, aquaculture entrepreneurs and other marine professionals recently gathered at the University of Maine Darling Marine Center for the 2nd annual SEA Fellows Summer Science Symposium. Undergraduate students from across Maine — including UMaine, the University of Maine at Machias and Colby College — shared their research on topics ranging from how to increase lobster shell strength to new methods for



farming scallops and kelp. [caption id="attachment_57315" align="alignright" width="350"] Rory Morgan[/caption] Many topics were directly related to questions posed by the commercial fishing and shellfish farming industries. And in some cases, industry members were co-authors on the research. Cassandra Leeman, who grew up just miles from the DMC in Bristol, shared work she conducted with the Sustainable Ecological Aquaculture Network (SEANET), the statewide sustainable aquaculture collaborative funded by the National Science Foundation. As a DMC-based intern, she was part of a team of students and faculty with backgrounds in ecology, engineering and many other fields. Leeman studied how the

health of Maine rivers, particularly one feeding into Casco Bay, compares with coastal waters farther south. She also helped maintain SEANET buoys that deliver real-time data on the coastal waters to the shellfish farmers and fishermen who work the Damariscotta River Estuary. “SEA Fellows celebrates the science that emerges when scientists listen to the questions that community members and marine industry professionals are asking,” said Heather Leslie, director of the Darling Marine Center and co-founder of the program. “Our goal is to encourage more researchers and students to do science in this mode, and to give students opportunities to practice communicating their findings and why they matter.” A select set of SEA Fellows had the opportunity earlier in the day to practice their communication skills in a workshop sponsored by SEANET. [Maine EPSCoR](#) at the University of Maine received a five-year, \$20 million grant from the National Science Foundation to establish SEANET and to build a network of interdisciplinary researchers along the coast of Maine to help advance sustainable ecological aquaculture and support marine STEM sciences in Maine’s K–12 curricula. [caption id="attachment_57314"



align="alignright" width="350"] Melissa Britsch/[caption] “Having to explain my science in 30 seconds was really hard and really valuable,” said Melissa Britsch, a UMaine intern who worked with DMC and Maine Sea Grant scientists investigating the best way to catch baby scallops bound for aquaculture. This fall, Britsch is continuing the work she began as a SEA Fellow at the DMC. “It was great to meet other students working in a similar way, from across the state,” said Rory Morgan, a senior and SEA Fellow at UMM, who was based this summer at the Downeast Institute. “When I set up my poster, I already knew a lot about the other students’ projects, thanks to the workshop and conversations we had earlier in the day.” After the poster session, participants could tour the DMC shellfish hatchery, business incubation facilities and waterfront, and learn more about ongoing industry-research collaborations underway at the center. SEA (Science for Economic Impact and Application) Fellows is an undergraduate research and engagement training program developed by UMaine and UMM. The program supports undergraduate research related to Maine’s marine economy, as well as the ecosystems and coastal communities that support it. It is funded by a National Science Foundation award to Maine EPSCoR at UMaine, the University of Maine System Research Reinvestment Fund and in-kind support from the [DMC](#) and Downeast Institute. Visit the symposium [website](#) to learn more about the SEA Fellows Program and to read abstracts of the 20 student-led projects. Contact: Heather Leslie, 207.563.8299, 207.581.5299

Digital Humanities Week to focus on adding arts to STEM disciplines

26 Sep 2017

The University of Maine will host several free and public events as part of Digital Humanities Week, Oct. 2–6. This year’s conference will examine what role the arts and humanities play in a world that is increasingly driven by science and technology. A growing movement known as STEM To STEAM aims to interject the arts into the STEM disciplines. Events will range from formal presentations to hackathons run by students. Speakers from MIT, Harvard, Dartmouth, UCLA, University of Texas, Bowdoin, Colby, UMaine and other University of Maine System campuses will demonstrate or examine art-science collaborations that have produced groundbreaking scientific discoveries, from the use of DNA to store cultural data to audio microscopes. Other demonstrations will include creating “hypercities” by superimposing layers of historical data on an urban map; using a planetarium dome for data visualization or 3-D sound; and building virtual museums to document local economies. Founded at UMaine in 2011, the biennial Digital Humanities Week focuses on the ways that new technologies are transforming arts and letters, history, and the social sciences. More about Digital Humanities Week, including [registration](#), is [online](#).

‘Truth, Healing and Change in the Land of Dawn’ presentation slated Sept. 28

26 Sep 2017

Barbara Kates will make a free presentation titled “Truth, Healing and Change in the Land of Dawn” 4–6 p.m. Sept. 28 in Lord Hall, Room 202. Kates is a Maine community organizer with Maine-Wabanaki REACH, a cross-cultural collaborative supporting Wabanaki self-determination. Her presentation will focus on the collective history and relationship of Maine and Wabanaki people through an understanding of the Truth and Reconciliation Commission (TRC). For more information or to request a disability accommodation, email Barb Blazej, blazej@maine.edu.

New York Times op-ed cites hazing study

26 Sep 2017

A [New York Times](#) opinion piece written by John Hechinger, a senior editor at Bloomberg News, cited a 2008 University of Maine study on hazing. The [study](#), which was conducted by researchers Elizabeth Allan and Mary Madden, found that three-quarters of fraternity members report they have been hazed, including being forced to drink into unconsciousness, the article states. The study also was cited by [News-Press Now](#). The Missouri-based news organization reported the study found the highest rates of hazing were reported among varsity athletes, followed by members of fraternities and sororities.

Maine corn crop benefiting from hot weather, Kersbergen tells Kennebec Journal

26 Sep 2017

Richard Kersbergen, a sustainable dairy and forage systems expert with the University of Maine Cooperative Extension, spoke with the [Kennebec Journal](#) for an article about record-breaking high temperatures in Augusta. On Sunday, just two days after the start of autumn, the temperature in Augusta reached 87, beating the record of 85 degrees that has stood since 1961. Monday's high reached 88 degrees, breaking the record of 85 degrees, set in 2007, the KJ reported. Kersbergen said Maine's corn silage crop has been behind this year and the hot weather is helping it mature. "Most of the corn grown in Maine is for corn silage," Kersbergen said. The whole plant is harvested and chopped up and stored in a silo or silo pit for fermentation and then used to feed cows over the winter, according to the article. "We were a little bit behind on growing degree-days," Kersbergen said. "This hot weather is allowing them to catch up."

Bayer quoted in AccuWeather report on lobsters, changing environments

26 Sep 2017

Bob Bayer, executive director of the Lobster Institute at the University of Maine, was quoted in the [AccuWeather](#) article, "Maine lobsters are thriving, but regulators explore how to adapt to changing environments." Most signs regarding Maine lobster are positive, but climatic factors such as warming waters and ocean acidification could pose a challenge in the future, according to Bayer. "The elevated water temperatures right now seem to be beneficial in most places [in Maine], but that's not going to go on forever," Bayer said. "Lobsters do have a tolerance, and once you get beyond that there are going to be problems."

UMaine Composites Center's cross-laminated timber featured in BDN article on growing economy

26 Sep 2017

The latest piece in the [Bangor Daily News](#)' series on how the Bangor region could grow its economy focused on cross-laminated timber (CLT) manufacturing at the University of Maine's Advanced Structures and Composites Center. Europe, Canada and cities on the West Coast have shown it's possible to build mid-rise buildings supported by planks of lumber stacked in perpendicular layers that are then bonded together to form CLT, according to the article. "Mass timber and CLT is the first real wood product that competes with and displaces steel and concrete rather than other wood products," said Stephen Shaler, director of UMaine's School of Forest Resources and associate director of the UMaine Composites Center. Shaler said manufacturing would allow the state to deepen its bench of wood products by adding another layer of in-state processing before products get to the end user. Russell Edgar, a senior laboratory operations manager and wood composites manager at the UMaine Composites Center, said he has fielded inquiries about wood supply and species from potential manufacturers, but no deals have advanced. "If you get buildings going up [in the Northeast] that are 10 stories made out of wood, then that will snowball," Edgar said.

Longcore receives AAAS Golden Goose Award for impactful research

27 Sep 2017

Editor's note: Story updated Sept. 28. On Oct. 13, 1997, Joyce Longcore picked up a flask of fluid sitting on the table next to her microscope. The flask was full of a mysterious type of a microscopic fungus from a group called Chytridiomycota (chytrids). This particular fungus, extracted from the skin of a dead frog, was sent to her by pathologists at the Smithsonian's National Zoo in Washington, D.C. Something was causing a die-off of the zoo's blue poison dart frogs and this mysterious fungus was the prime suspect. Days before, she had all but given up on the sample sitting on her table — the organisms she was attempting to isolate into pure culture seemed to refuse to form the zoospores necessary for reproduction. She was convinced the organisms were going to die. However, on this day — her birthday of all days — something in the glass had changed. "It [the sample] looked different, it was actually opalescent," says Longcore, a mycologist and associate research professor at the University of Maine. She suspected that the sample had been contaminated by bacteria, clouding the clear fluid. Perhaps, though, the mysterious little chytrids had begun to grow. To be sure, she dropped some of the solution on a slide and placed it under the microscope. Zoospores, rhizoids, thalli, and other structures and life stages of the mystery chytrid quickly came into focus. She was looking at what seemed to be the cause of a new disease of amphibians. Until the chytrid that was killing frogs was discovered, no known species of the group was recognized as a pathogen to vertebrates. "I knew that I had this organism that killed amphibians in pure culture, and that this made research on the disease organism possible," says Longcore, who, along with her Smithsonian colleagues, is the recipient of a 2017 Golden Goose Award from the American Association for the Advancement of Science (AAAS). The Golden Goose Award recognizes the people and stories of unexpected and incredible scientific breakthroughs. It highlights federally funded research, which at the surface may seem odd or obscure, but has gone on to make important contributions with serious benefits to society. In 2012, Longcore was elected as a AAAS Fellow for her groundbreaking chytrid research. For years her work had flown largely under the radar. Chytrids simply do not garner much attention from anyone, let alone the scientific community. But the discovery of the frog-killing chytrid and its role in the mass die-offs of frog populations worldwide thrust her research into the spotlight. Longcore and her colleagues from the National Zoo gave the chytrid a scientific name — *Batrachochytrium dendrobatidis* (Bd). The newly identified chytrid fungus causes chytridiomycosis in amphibians, a disease that was not only killing frogs at the National Zoo, but was ravaging frog populations around the world — from Australia to Central America, and, to date has already driven dozens of species to extinction. Since the discovery of Bd, Longcore has collected hundreds of different strains of the pathogen from around the world — including Maine. Bd can be found nearly everywhere that amphibians live and it seems to have spread rapidly, largely assisted by human movement and the global trade in amphibians. Frogs are not the only target of the aquatic fungi. A recently described chytrid species, *Batrachochytrium salamandrivorans* (Bsal), is similar to Bd with the exception it infects, and kills, salamanders and newts, rather than frogs. Native to East Asia, Bsal arrived in Europe with imported amphibians and was first discovered when researchers began investigating a large decline in Netherland's fire salamander population. According to Longcore, the U.S. Southeast is a hotspot for salamander biodiversity and an outbreak of Bsal could be catastrophic. Longcore's research didn't stop with the description of Bd. She has isolated Bd from many places and collaborates with scientists from all over the world by sending them samples for a variety of research purposes, including molecular phylogenetics, which, according to Longcore, is the next frontier in understanding the origin and distribution

of Bd. She also consults with algae aquaculturists who are interested in aquatic fungal pathogens that attack their crops. At her lab at UMaine, hundreds of different types of chytrids, Bd and otherwise, are all cryogenically preserved in liquid nitrogen — her collection has been growing for decades. “I love a group of organisms and they’re called chytrids,” says Longcore, “much in the same way birdwatchers love birds. They’re beautiful and not a lot of people know what they are.” “You never know when something that is found will become important. I was content to study a group nobody had much interest in,” says Longcore. “I still am content to do that work.” Longcore and her collaborators, Elaine Lamirande, Don Nichols and Allan Pessier, will be honored at the sixth annual Golden Goose Award Ceremony at the Library of Congress in Washington, D.C., Sept. 27. More information on the 2017 Golden Goose awardees can be found [online](#). Contact: Walter Beckwith, 207.581.3729

Tanglewood 4-H Center to hold Fall Harvest Festival, Trail Race

27 Sep 2017

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 on Saturday, Oct. 7. The race begins at 9 a.m. The festival, which will run from 11 a.m. to 3 p.m., will include ecology-themed outdoor activities in the Tanglewood forest, as well as archery and cider pressing. Race entry fee is \$20; the festival is free. Race registration is [online](#). For more information, or to request a disability accommodation, contact Patti Chapman at 789.5868, patricia.chapman@maine.edu.

Educators take part in seaweed boot camp hosted by Maine EPSCoR

27 Sep 2017

In August, educators from throughout Maine and across the eastern seaboard joined aquaculture researchers and industry partners for a three-day seaweed boot camp hosted by Maine EPSCoR at the University of Maine, in partnership with Ocean’s Balance and the Aquaculture Research Institute. The workshop’s innovative model was built to allow participants the opportunity to learn about ongoing research, curriculum development, and the many ways in which seaweed can be incorporated into our lives, whether in the kitchen or in the classroom. “We wanted all educators participating in this camp to gain a broad understanding of sea-to-table aquaculture and the vital role that seaweed can play in Maine’s economic future,” says Laurie Bragg, Maine EPSCoR program and outreach manager. Over three days, participants visited researchers in their labs at UMaine, traveled to southern Maine to visit field sites with seaweed farmers, sampled seaweed products with producers, and learned cooking and preparation techniques with industry insiders. Participants left the workshop with a better understanding of this burgeoning new industry and the tools with which to develop STEM curriculum around ongoing science and research. Plans are being developed for a follow-up workshop and the experience is being leveraged in communities throughout the state. “The seaweed boot camp was a big success,” Bragg says. “As a result of the workshop, we now have an active network of teachers sharing curriculum ideas and implementing what they learned in classrooms from Old Orchard Beach to Machias. It’s an exciting time for aquaculture education.”

Allen to speak at UN International Day of Nonviolence Oct. 2

27 Sep 2017

The United Nations International Day of Nonviolence will be celebrated Oct. 2, the birth date of Mahatma Gandhi, one of the most admired and influential proponents of nonviolence of the modern world. As part of the observance, University of Maine Professor of Philosophy Douglas Allen has been invited to address the United Nations on “the Significance of Nonviolence in Today’s World.” Allen is one of the world’s leading scholars of Gandhi’s philosophy and practice of nonviolence. Allen is scheduled to speak following brief presentations by Ambassador Syed Akbaruddin, the permanent representative of India; Antonio Guterres, secretary general of the United Nations; and Miroslav Lajcak, the president of the UN General Assembly.

BDN cites Knight in report on missing Wagyu steer

27 Sep 2017

The [Bangor Daily News](#) spoke with Colt Knight, state livestock specialist with the University of Maine Cooperative Extension, about an exotic Wagyu steer that went missing after jumping out of its pen at the Common Ground Fair in Unity. The cow’s owner, who operates Pond Hill Farms in Brooks, said he believes he has the only two Wagyu beef steers in the state. “I haven’t heard of anyone else raising them,” Knight said.

UMM mentioned in Youth Today article on Teen Science Cafes

27 Sep 2017

[Youth Today](#) mentioned the University of Maine at Machias in an article on Teen Science Cafes held around the country. Teen Science Cafe started with a National Science Foundation grant in 2007, according to the article. Each cafe meeting starts with a short presentation by a scientist or expert in a related field, followed by food, drink, conversation and a hands-on activity. A core group of teens, working with a mentor, plans and runs the cafes, the article states. Recent Teen Science Cafes held in Washington County, Maine focused on technology used by first responders in emergencies. The cafes, which were sponsored by the Maine Mathematics and Science Alliance, kicked off with a simulated zombie invasion. Children visited stations in a school gym where they could determine possible escape routes from the zombies using a GIS-based game, figure out the resources stranded victims might need and learn basic first aid. In a subsequent cafe, a GIS expert from UMM showed a new mapping tool she had invented to indicate where floods might occur in their region, Youth Today reported.

Breece quoted in WYDaily article on Colonial Williamsburg

27 Sep 2017

James Breece, an associate professor of economics at the University of Maine, was quoted in a [Williamsburg Yorktown Daily](#) (WYDaily) report on Colonial Williamsburg’s land deals. The Colonial Williamsburg Foundation owns more than four times as much land than the Virginia city of Williamsburg does, according to the article. Nonprofits are, by design, intended to fulfill their mission, according to Breece. “In general, they’re an enrichment to society through their missions,” he said. For Colonial Williamsburg that means feeding the “human spirit by sharing America’s enduring story.” Private nonprofits are not

legally required to act in the best interest of their city, nor are they required to be transparent, the article states.

Cardboard Canoe Race set for Sept. 30 on Stillwater River

28 Sep 2017

The annual Cardboard Canoe Race, hosted by the University of Maine chapter of the American Society of Mechanical Engineers, begins at 1 p.m. Sept. 30 on Stillwater River. Teams of as many as four people per cardboard canoe will launch from UMaine's Steam Plant parking lot. Registration fee is \$20 per team. To register or for more information, email umaine.asme@gmail.com.

Fourth annual March Against Domestic Violence slated for Oct. 3

28 Sep 2017

The fourth annual March Against Domestic Violence will take place at noon Tuesday, Oct. 3, on the Mall in front of Fogler Library. The march is sponsored by MBS Corps, which partnered with UMaine Athletics, Student Life, Partners for Peace (formerly known as Spruce Run-Womancare Alliance) and other organizations. Following the march, remarks will be made by Robert Dana, vice president for student life and dean of students at UMaine; Amanda Cost, facilitative director at Partners for Peace; representatives from several on-campus groups including MBS Corps, Male Athletes Against Violence (MAAV) and UMaine Army ROTC; and members of the community who have been affected by domestic violence. Last year's march drew about 200 participants. Everyone is encouraged to attend and support the cause. For more information, contact Nory Jones at njones@maine.edu.

Glover quoted in BDN editorial on imposing immigration rules

28 Sep 2017

Robert Glover, an assistant professor of honors and political science at the University of Maine, was quoted in the [Bangor Daily News](#) editorial, "LePage can't impose immigration rules on sheriffs that violate law, Constitution." Requiring state and local government agencies to carry out federal mandates violates the 10th Amendment to the U.S. Constitution, said Glover. "LePage's threat undermines the idea that collaboration between federal and local authorities should be voluntary and unforced in those areas that are the domain of state and local authorities," Glover wrote in [a BDN blog post](#). "It also intrudes deeply into the federal government's sole and complete jurisdiction over immigration policy."

Gabe's economic impact study cited in Mainebiz article on Waterfront Concerts contract

28 Sep 2017

An economic impact study conducted by University of Maine economist Todd Gabe was mentioned in a [Mainebiz](#) article on a new 10-year contract that was signed by the city of Bangor and Waterfront Concerts. In a press release, Waterfront Concerts cited Gabe's study that found the concerts contributed \$105.1 million in revenue to Bangor and surrounding areas from 2010–2016, [Mainebiz](#) reported.

Socolow co-writes Inside Higher Ed column about pitching to journalists

28 Sep 2017

Michael Socolow, a professor of communication and journalism at the University of Maine, and Alex Kingsbury, deputy ideas editor at the Boston Globe, co-wrote a column for [Inside Higher Ed](#). In "How to pitch journalists more successfully," the authors outlined six ways academics can get on the same page with editors.

UMaine receives federal funds for timber commercialization center, media report

28 Sep 2017

The [Portland Press Herald](#), The Associated Press and [Mainebiz](#) reported the University of Maine will receive a \$454,532 grant from the U.S. Economic Development Administration to create the Maine Mass Timber Commercialization Center. The center will help forest industry partners, trade organization, construction firms, architects and other stakeholders revitalize and diversify Maine's forest-based economy by advancing new forest products technologies and bringing innovative mass timber manufacturing to Maine, the Press Herald reported. "Maine's forest products industry helps drive local economies throughout our state. By establishing the Maine Mass Timber Commercialization Center, UMaine and its forest industry partners are furthering important work to discover innovative ways to develop new forest products from our natural resources," Sens. Susan Collins and Angus King said in a [joint statement](#) announcing the funds. "This grant will help strengthen Maine's forest economy, support jobs in our rural communities and further diversify the industry. The possibilities are endless with the introduction of new technology and ingenuity." U.S. Rep. Chellie Pingree also issued a [release](#) welcoming the grant. [The Seattle Times](#) carried the AP report.

Harvard, UMaine study on human-made lead air pollution featured in Popular Science

28 Sep 2017

An analysis of ice core data and historical records conducted by scientists from Harvard University and the University of Maine Climate Change Institute was the focus of the [Popular Science](#) article, "A 14th-century plague helped reveal just how long humans have polluted the planet." The study indicates that much less lead occurs naturally in the air than was thought. After measuring lead trapped in an ice core from the Swiss-Italian Alps, the researchers found lead levels dropped dramatically only once in the past 2,000 years, during a time that coincided with the Black Death pandemic, according to the article. This means that in Europe, lead levels in the air have been elevated for thousands of years, the article states.

Media report on Longcore's research, AAAS award

28 Sep 2017

[Popular Science](#), [PBS NewsHour](#) and the [Bangor Daily News](#) reported Joyce Longcore, a mycologist and associate research professor at the University of Maine, was awarded the 2017 Golden Goose Award from the American Association for the Advancement of Science (AAAS). The award recognizes the people and stories of unexpected, incredible scientific breakthroughs. It highlights federally funded research, which at the surface may seem odd or obscure, that has made important contributions to society. Longcore found a species of fungus called chytrids was annihilating frogs across the globe by hitching a ride with traveling humans, according to PBS NewsHour. She also found the chytrids were killing more than frogs. "These fungi were inadvertently introduced to where they were not native and decimated biota," Longcore said. In 2012, Longcore was elected as a AAAS Fellow for her groundbreaking chytrid research. The discovery of the frog-killing chytrid and its role in the mass die-offs of frog populations worldwide thrust her research into the spotlight. Longcore said she and collaborators will continue to work, and their next step is to treat any afflicted frog species and sustain biodiversity, PBS NewsHour reported. A quote from Longcore also was featured as the "quote for the day" in Nature's Sept. 29 "Nature Briefing" email newsletter. "You never know when something that is found will become important. I was content to study a group nobody had much interest in," Longcore said.

Dean of libraries receives MLA Outstanding Librarian Award

28 Sep 2017

Joyce Rumery, dean of libraries at the University of Maine, has been named one of two recipients of the 2017 Outstanding Librarian Award from the Maine Library Association. The Outstanding Librarian Award is presented each year to a librarian who has demonstrated significant professional achievement and service to the Maine library community. [caption id="attachment_57383" align="alignright" width="350"]



Joyce Rumery [caption] "It's an incredible honor to be recognized by my peers and colleagues in this way," Rumery said. "Maine has such a strong community of librarians and library advocates, and I've seen firsthand their commitment to patrons across the state. I feel amazed and thankful to receive this award." Rumery's nomination included numerous letters of support from Raymond H. Fogler Library staff and UMaine colleagues, including President Susan J. Hunter. A number of librarians throughout Maine also submitted letters, including James Ritter, state librarian; Barbara McDade, director of the Bangor Public Library; and Valerie Osborne, former Northern Maine Library District consultant. Nominators praised Rumery's efforts to foster collaboration between libraries across the region and her commitment to improving the student experience at Fogler Library. Rumery has worked at Fogler Library for more than 30 years and has been dean of libraries for the past 12 years. During that time, she has overseen a number of partnerships between the library and on-campus services including the Writing Center, Tutor Program, and UMaine Information Technologies. The Outstanding Librarian Award will be presented at the Maine Library Association's annual conference on Oct. 2-3 at the Sunday River Grand Summit Resort in Newry, Maine. Richard Boulet, library director at Blue Hill Public Library, also will receive the award.

UMaine wins two UPCEA Marketing Awards

29 Sep 2017

The University of Maine is the recipient of two 2017 UPCEA Marketing Awards. "Summer University 2017" and "Think 30" were submitted by the Division of Lifelong Learning in the Mixed Media Campaign category. Both submissions, designed by Val Ireland, manager of creative services in the Division of Marketing and Communications, earned bronze awards. The Marketing Awards celebrate the best marketing practices and promotional pieces in the fields of professional, continuing, and online education. University Professional and Continuing Education Association (UPCEA) is the leading organization for these fields, serving more than 400 institutions, including most of the leading public and private colleges and universities in North America. Recipients of the Marketing Awards will be honored at the 26th annual UPCEA Marketing and Enrollment Management Seminar Dec. 5-7 in Washington, D.C. A full list of 2017 recipients is [online](#).

Hudson Museum to screen ‘The Destruction of Memory’ Oct. 5

29 Sep 2017

The Hudson Museum at the University of Maine will show the documentary film “The Destruction of Memory” at 7 p.m. Oct. 5 in the Collins Center for the Arts. The screening is free and open to the public. This film, offered in conjunction with Maine Archaeology Month, looks at the urgent issue of cultural destruction. Based on a book of the same name by Robert Bevan, the film documents the war against cultural identity — the record of who we are — in the midst of war and conflict. More about the film is [online](#).

BDN interviews Handley about fruit flies harming late-season berries

29 Sep 2017

The [Bangor Daily News](#) spoke with David Handley, a University of Maine Cooperative Extension specialist of vegetables and small fruits, for an article about the invasive spotted-wing drosophila’s harmful effects on late-season berries. With warm weather prolonging the viability of raspberries and strawberries, the high populations of spotted-wing drosophila being detected could ravish the berries before farmers get to them, according to Handley. While the common fruit fly uses decomposing skin of overripe fruit to lay its larvae and multiply within the fruit, the spotted-wing drosophila is able to pierce the skin of soft-skinned berries that haven’t fully ripened yet and lay eggs within the fruit, Handley said. “When you as a farmer go to pick your fruit, even though it’s barely ripe, it is turning to goo. The reason it has turned to goo is because the larvae in there have started to hatch and are feasting on the fruit,” Handley said. “Your fruit starts to melt away from the inside out.” Since the flies have only been detected in Maine in recent years, Handley said the problems they cause have “really changed the game” in terms of late-season berries. With the spotted-wing drosophila population normally building in August, early berries are generally safe, the article states. [Mainebiz](#) also cited the BDN report.

Kelley’s efforts to save Maine shell middens featured in Working Waterfront

29 Sep 2017

[The Working Waterfront](#) published an article on a citizen science research project being led by Alice Kelley, a geoarchaeologist at the University of Maine. Located along Maine’s coast and islands, prehistoric shell middens are in danger of being wiped out by the rapid acceleration of rising sea levels, according to Kelley, who is helping organize a citizen scientist effort to monitor some of the state’s 2,000 or so known shell middens. The shell middens, which were created by Maine Indians over a period of about a thousand years approximately between 200 B.C. and 1000 A.D., were considered trash dumps whose resources should be used for practical purposes rather than the valuable historic troves they are known to be today, the article states. Sea level has been rising along the Maine coast for at least 10,000 years, Kelley said, but climate change is hastening the process. “In at least one case, we went to a spot that had been located as a midden and were going to use it as a study site and it was completely gone,” she said. “It’s not just that they’ve been disappearing; they’re disappearing more rapidly.” Exactly how many shell middens have been lost recently is unknown, she said, but she hopes a Maine Sea Grant-funded project can be the starting point for gaining an understanding about what has been lost, current erosion rates, and the impact of storms.

Native American knowledge, western science to be integrated in classes

29 Sep 2017

Editor’s note: story updated Oct. 4. Native American ecological knowledge and western science will be integrated in some University of Maine science courses, with the goal of implementing the methods nationwide. With a \$300,000 National Science Foundation grant titled INCLUDES (Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science), tribal and UMaine collaborators will develop science courses that utilize Traditional Ecological Knowledge (TEK) and western science to increase Native American student participation in college and career STEM fields. The approach builds on research that suggests complex challenges are best addressed through networked communities focused on finding solutions through common goals and shared resources. The approach makes sense says Darren Ranco, the project leader, associate professor of anthropology, chair of Native American Programs at UMaine and faculty fellow at the Mitchell Center for Sustainability Solutions. Ranco says it’s affirming for Native American students to see themselves in their courses. And incorporating culturally relevant educational methods results in Native American long-term participation in sciences. The project is needed, Ranco says, adding that what has been done hasn’t been working. Native Americans have the lowest participation in STEM college courses among all minority groups. In announcing the grants, France Córdova, NSF director and an astrophysicist, said that fostering inclusive participation fuels excellence. “Broadening participation in STEM is necessary for the United States to retain its position as the world’s preeminent source of scientific innovation,” she said. For the UMaine project, Native Cultural Knowledge Keepers and Elders will come together with university faculty members John Daigle, associate professor of forest recreation management; Mindy Crandall, assistant professor of forest landscape management and economics; and Shaleen Jain, associate professor of civil and environmental engineering. The project titled [Wabanaki Youth in Science \(WaYS\) Program to Bridge inclusion in Post-Secondary Education Through the Sciences](#), will develop STEM education methods and practices that can be replicated around the country. “It’s only possible because the tribes are working collaboratively with us,” says Ranco. An integrated program in place in Maine for middle and high school Native American students — WaYS (Wabanaki Youth in Science) — already has had a positive impact. Since WaYS was instituted in 2013, there’s been a 15 percent increase in the number of Native American students enrolled in STEM fields at UMaine, says Ranco. “This [project] is a clear extension of the pipeline at the University of Maine.” WaYS seeks to promote the legacy of Native American environmental stewardship to indigenous youth and interest them in pursuing science, technology, engineering or mathematics in college and as a career. WaYS is successful because it’s a year-round, long-term, multipronged, community-based program, says tish carr, WaYS program manager. “It’s a good model. It’s unique. I hope we can emulate it at the next level,” she says. “Students have the chance to develop rapport and continuity.” Cultural knowledge keepers and natural resource professionals come together at weeklong WaYS summer Earth camps — at Schoodic Point, along the shores of Cobscook Bay in Trescott and in the shadows of Katahdin Mountain. Native American youth engage in hands-on learning, including weaving baskets while learning about brown ash tree identification and habitat. This learning experience grew from a collaborative research project based at UMaine’s Mitchell Center for Sustainability Solutions that focused on brown ash resources and the invasive emerald ash borer. Participants also have utilized compasses and forest tools, examined medicinal and edible saltwater plants and explored tidal ecology and climate change issues as they relate to fish. And attendees have participated in mini-camps throughout the year that incorporate tapping maple trees, beading, hiking, shelter-building, botany, snowshoeing, foraging, fire building, ice fishing, leadership training and archaeology. WaYS provides for internships for Native American school-age youth to work with their tribal Department of Natural Resource offices as well as the University of Maine, the U.S. Forest Service and the National Oceanic and Atmospheric Administration. TEK programs for elementary and middle

schoolers are offered at tribal after-school programs and American Indian Science and Engineering Society (AISES) programs are offered at area clubs. “TEK is a science; it’s just as important,” says Carr. “Changing the culture will strengthen understanding. [TEK] needs to be recognized and acknowledged. It’s beneficial to Native and non-native youth.” In addition to WaYS, partners are the tribal Salish Kootenai College, Massachusetts Institute of Technology, Maine Indian Education and the current NSF INCLUDES Design and Development Launch Pilot project at the University of Maine — the Stormwater Research Management Team (SMART). In 2016, Mohamad Musavi, director of SMART INCLUDES and associate dean of the UMaine College of Engineering, was one of the first recipients of an NSF INCLUDES grant — nearly \$300,000. He and others collaborated on a project titled Creating a Diverse STEM Pathway with Community Water Research. Contact: Beth Staples, 207.581.3777

Manzo, Ferguson earn Margaret Chase Smith Public Affairs Scholarship

02 Oct 2017

University of Maine undergraduate students Katie Manzo and Julianna Ferguson have been chosen to receive this year’s Margaret Chase Smith Public Affairs Scholarship. Each student will carry out a yearlong research project with relevance to public policy in Maine. The project will culminate in a presentation at the 2018 UMaine Student Symposium, where they will share their findings with the public. Manzo of Etna, Maine, and Ferguson of Sandwich, Massachusetts, are both seniors. Manzo is a computer science major and has focused her research on making it easier for communities to tackle climate change. She says a community “being able to start new alternative energy projects, on a large scale, and being able to get more projects connected to each other, and to the public, is imperative to saving our planet.” Manzo plans to expand an online energy project database into an interactive platform for the public to reference. To make it more interactive, she will incorporate social media into the website’s platform. People or groups thinking of starting a project will be able to see where similar projects have been done, how they were funded, with how much capacity, and find contact information to learn from others’ experiences. Manzo will work with Sharon Klein of the School of Economics and Silvia Nittel of the School of Computing and Information Science. Manzo says she is enthusiastic about being “able to aid people in starting their own alternative energy projects. This will allow me to apply many of the skills I have learned in my courses to an impactful project.” Ferguson majors in sociology with concentrations in crime, law and justice. She minors in Spanish, legal studies and political science and plays on the Black Bear softball squad. Her research analyzes data regarding the impact of mental illness and substance abuse on violence. She is utilizing the National Longitudinal Study of Adolescent to Adult Health survey. Working with her adviser Steven Barkan, Ferguson is “particularly interested in public policy related to gun control, immigration and preventing juvenile delinquency.” One reason she focuses on juveniles is because violent behavior generally begins in late childhood through early adolescence and she says there’s a “lack of research regarding the effects of mental illness and substance abuse on violence among adolescents.” Her research will help indicate the extent of the impact of mental illness and substance abuse on violence, giving policymakers a better understanding of why some forms of violence are committed by people in this subgroup and where resources could be allocated. The scholarship was established in recognition of Sen. Margaret Chase Smith’s many years of dedicated public service to the citizens of Maine and the nation. Smith’s abiding belief was that real progress will be attained through the education of Maine’s young voters. The scholarship program is administered by the Margaret Chase Smith Policy Center. Applications are taken in the spring for the following academic year.

Lord Hall Gallery to exhibit the work of eight Maine sculptors

02 Oct 2017

The Lord Hall Gallery at the University of Maine will host an exhibition of stone sculptures created by eight emerging and internationally recognized Maine artists Oct. 6 through Nov. 17. “Carved Stone: Maine Artists” features artists who were selected in response to the aesthetic and creative quality of their work, as well as a means of demonstrating the traditions, processes and emerging forms that make up the practice of stone carving. The exhibition seeks to bring attention to the strength of Maine’s stone carving history and the contemporary artists who work within and endeavor to expand upon those traditions. In addition, the exhibition illustrates the influence of Maine’s Schoodic International Sculpture Symposium (SISS) on contemporary Maine sculpture. The SISS included five symposia (2007–2014) that resulted in 32 world-class large granite works spread around the state. Artists included in the exhibition are Matthew Foster, Mark Herrington, Kazumi Hoshino, Hugh Lassen, Richard Reichenbach, Jesse Salisbury, Tim Shay and Glenn Swanson. Foster, Reichenbach and Swanson are alumni of UMaine’s Department of Art. The public is welcome to attend a reception for the artists 5:30–7 p.m. Friday, Oct. 13, in the gallery. Exhibition sponsors include the the Elizabeth Graves Endowment Fund, Cultural Affairs/Distinguished Lecture Series Fund, and Kelly and Jane Littlefield of the Littlefield Gallery. 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.

Forestry experts gather Oct. 3–5 at UMaine

02 Oct 2017

The University of Maine School of Forest Resources, in conjunction with the Advanced Structures and Composites Center, will host meetings of two ASTM International committees and the Wood I-Joist Manufacturers Association (WIJMA) Oct. 3–5. Stephen Shaler, director of the School of Forest Resources and associate director of the Advanced Structures and Composites Center, says welcoming representatives of leading forest products manufacturers, trade associations and government and university organizations to campus increases awareness of UMaine’s tremendous capabilities — both physical and intellectual. “This may lead to increased inquiries for students from potential employers and result in increased research opportunities,” he says. ASTM International is a leader in the development and delivery of voluntary consensus standards. More than 12,000 ASTM standards are used worldwide to improve product quality, enhance health and safety, strengthen market access and trade and build consumer confidence. The D07 and D14 committees, with respective memberships of approximately 275 and 150, have jurisdiction over 248 wood- and adhesive-related standards that play a critical role in issues important to the forest products industry in Maine and beyond. The committees address topics that include timber, wood, modified wood, veneer, wood-base structural panels, laminated wood, wood-based composites, adhesion, preservatives and fire performance. WIJMA provides technical assistance and information to the residential and commercial construction industries and seeks to enhance the use of prefabricated wood I-joists and structural composite lumber in the construction industry.

Emera Astronomy Center mentioned in BDN article on Maine libraries

02 Oct 2017

The Emera Astronomy Center at the University of Maine was mentioned in a [Bangor Daily News](#) article about libraries in Maine and the various benefits they

offer. The Bangor Public Library's circulating collection includes free passes for up to four people to the Emera Astronomy Center and Jordan Planetarium at UMaine, the Maine State Museum in Augusta and the Maine Discovery Museum in Bangor, according to the article. The public library in Orono also provides free passes to area attractions, including the Emera Astronomy Center. "It's great," said Orono resident and library patron Wendy Neary, who regularly attends shows there with her three children. "For us, right now, it's a huge help," Neary said.

Springuel quoted in Ellsworth American article on Winter Harbor oral history class

02 Oct 2017

[The Ellsworth American](#) reported on a College of the Atlantic oral history class that is run in partnership with the Island Institute of Rockland and Maine Sea Grant, a coastal studies program supported by the University of Maine and the National Oceanic and Atmospheric Administration. The group of 14 students interviewed seven members of the Winter Harbor community, who were designated by the Winter Harbor Historical Society, according to the article. The class is co-run by Rebecca Clark-Uchenna of the Island Institute and Natalie Springuel of Maine Sea Grant, and seeks to bring a multidisciplinary approach to researching coastal Maine communities, the article states. Island Institute focuses on community development, while COA specializes in academic research and Maine Sea Grant brings academic tools to fishing communities, the Ellsworth American reported. The students also are conducting oral histories on Cranberry Isles and in Bar Harbor. "It's a way of getting information that's really different," Springuel said of oral histories. "Really on the ground, and really personal."

Gabe discusses economic analysis models for Press Herald article on proposed casino

02 Oct 2017

Todd Gabe, an economics professor at the University of Maine, spoke with the [Portland Press Herald](#) for an article about a proposed casino in York County. Backers of the casino say the business would create more than 2,000 jobs and \$45 million in annual tax revenue, but history shows those numbers are not a sure bet, according to the article. David Evans, principal of Florida-based Evans, Carroll & Associates Inc., is one of the authors of the York County casino study. He said the economic analysis his firm produced for the project was based on a widely accepted methodology known as the regional input-output modeling system. Gabe said there are a number of accepted models that can be used to perform an economic analysis, including the model used for the York County casino study. Still, he said all of the models allow for a degree of flexibility, and that economic analysts have to make certain judgment calls while doing their work. "A lot of people, when they hear the word 'model,' they think it's a black box that everyone uses," but that's not the case, Gabe said. "There's an art and a science to doing an economic impact study."

Allan speaks with Chicago Tribune for report on hazing policies

02 Oct 2017

Elizabeth Allan, a professor of higher education at the University of Maine, was interviewed by [Chicago Tribune](#) for the article, "Putting an end to hazing takes more than written policies, experts say." Written policies that strictly ban hazing at schools do little to prevent hazing unless paired with meaningful action to create a culture of respect and equality, according to experts. "My experience is that the policy doesn't communicate clearly enough about why (an anti-hazing mindset) is needed," said Allan, who researches hazing and trains college staffers on how to prevent it. She collaborated with the Clery Center, a nonprofit organization that promotes campus safety, on a hazing prevention guide. It advises schools to communicate anti-hazing messages from top officials, conduct trainings for student leaders and promote "bystander intervention" to disrupt unsafe behavior, the article states. "Those things don't take a ton of effort, and I think they could yield some real gains based on what we know from the data," Allan said.

Former UMaine Libra Professor Jeffrey C. Hall named Nobel Prize winner

02 Oct 2017

The 2017 Nobel Prize in Physiology or Medicine was jointly awarded on Oct. 2 to Jeffrey C. Hall, Michael Rosbash and Michael W. Young for their discoveries of molecular mechanisms controlling the circadian rhythm. Beginning in 2004, Hall was an adjunct professor at UMaine. From 2008 to 2010, he was a Libra Professor of Neurogenetics. The University of Maine is thrilled to congratulate Dr. Jeffrey Hall on winning the Nobel Prize. Dr. Hall is an outstanding scientist whose research is of the highest caliber, contributing to the central understanding of circadian rhythm, a fundamental mechanism found in plants and animals. We were honored to have him as a member of the UMaine community from 2004 to 2012 as an adjunct professor and a Libra Professor of Neurogenetics.

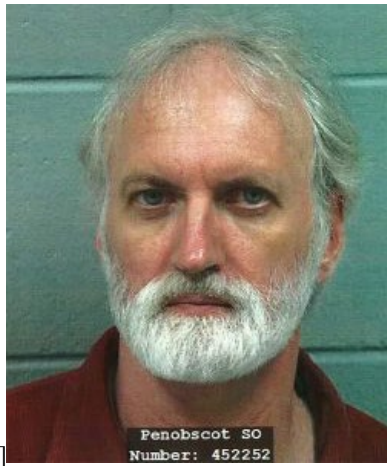
Scientist with UMaine ties awarded Nobel Prize in medicine, media report

02 Oct 2017

The Associated Press, [NPR](#), The New York Times, [The Boston Globe](#), [Science](#), [The Washington Post](#), Time, [Inside Higher Ed](#) and [New York Post](#) reported Jeffrey C. Hall, who has ties to the University of Maine, was one of three scientists to win the 2017 Nobel Prize in Physiology or Medicine. Hall, Michael Rosbash and Michael W. Young won the \$1.1 million prize for their work on finding genetic mechanisms behind circadian rhythms — which adapt the workings of the body to different phases of the day, influencing sleep, behavior, hormone levels, body temperature and metabolism, the AP reported. They "were able to peek inside our biological clock and elucidate its inner workings," the Nobel citation stated. Rosbash told the Boston Globe he and Hall worked together at Brandeis University for years, research that the committee said Hall also performed while working at UMaine. Hall was member of the UMaine community from 2004 to 2012 as an adjunct professor and a Libra Professor of Neurogenetics. ABC News, [Portland Press Herald](#), [Bangor Daily News](#) and Sun Journal carried the AP report.

UMaine PD campus alert

02 Oct 2017



[caption id="attachment_57428" align="alignright" width="254"] Mark Tenneson[/caption] The UMaine Police Department received a report of unlawful sexual contact the evening of Oct. 1 in a public men's restroom on campus. The suspect is Mark Tenneson, 55, of Livermore Falls. He is 5'9", 170 pounds, blue eyes, gray hair and beard. His whereabouts are unknown at this time. If suspect is seen on campus, contact UMaine PD immediately, 581.4040.

Digital Humanities Week talk to look at local blueberries, clams, beer

03 Oct 2017

Researchers from around the state, including the University of Maine and Colby College, will discuss ways to document and nourish the state's endangered economies that depend on local agriculture and wildlife as part of UMaine's Digital Humanities Week. "Blueberries, Clams, and Beer: The Lure of the Local," will be held 1–2:45 p.m. Thursday, Oct. 5 in Innovative Media Research and Commercialization (IMRC) Center, Room 112. Featured projects to be discussed include "Wild Difference," an initiative to develop a heritage center and virtual museum about wild blueberries and the Maine farmers who have tended them for generations; the "Clam Cam," a video camera that follows clam harvesters throughout their day; and the Maine Beer Map, which documents the growth of microbreweries across the state. The discussion is free and open to the public. More information is [online](#). The biennial Digital Humanities Week focuses on the ways that new technologies are transforming arts and letters, history, and the social sciences. This year's conference runs Oct. 2–6 and will examine what role the arts and humanities play in a world that is increasingly driven by science and technology. More about Digital Humanities Week is [online](#).

UMaine awarded funds to boost Native American STEM enrollment, Maine Public reports

03 Oct 2017

Maine Public reported the University of Maine was awarded a \$300,000 National Science Foundation grant to help get more Native American college students to study STEM subjects. The grant will help establish a program to bring traditional knowledge and learning methods into higher education, according to the report. "One of the key elements of student success in college in general is them seeing themselves in the curriculum, reflected in the curriculum either explicitly or in the faculty or in the kinds of careers they're working towards," said Darren Ranco, associate professor of anthropology and chair of Native American Programs at UMaine. "We will work with university faculty and native knowledge-keepers to teach traditional native knowledge in the context of science classes here at the University of Maine." The program will extend work that's already being done with Maine middle and high school students, which Ranco said has already led to a substantial increase in the number of Native American students enrolling in STEM fields at UMaine. It's also meant to find ways to expand native involvement in STEM fields that can be repeated in different schools around the country, the report states.

Former UMaine professor speaks with media about winning Nobel Prize

03 Oct 2017

Jeffrey C. Hall, who was a member of the University of Maine community from 2004 to 2012 as an adjunct professor and a Libra Professor of Neurogenetics, spoke with the [Bangor Daily News](#), Maine Public, [WABI](#) (Channel 5) and [WLBZ](#) (Channel 2) about being one of three scientists to win the 2017 Nobel Prize in Physiology or Medicine. Hall, Michael Rosbash and Michael W. Young won the \$1.1 million prize for their work on finding genetic mechanisms behind circadian rhythms. Scientists have known about the circadian rhythms that regulate the daily life of living creatures for centuries, but until the scientists conducted their research, no one understood how those rhythms worked, Maine Public reported. From his home in Cambridge, Maine, Hall told the BDN that throughout much of their research, he and his colleagues were ridiculed for their work. Some biologists believed that it was a waste of time trying to answer these questions of biology through genetic research, he said. "We now recognize that biological clocks function by the same principles in cells of other multicellular organisms, including humans," the Nobel Assembly said in its award summary. [Portland Press Herald](#) also reported on Hall's winning research and cited his longtime friend and one-time colleague, Harold "Dusty" Dowse, a former UMaine biologist. Hall also appeared on "Bill Green's Maine."

Cohen Lecture at UMaine will feature an assessment of an 'unconventional presidency'

03 Oct 2017

"Assessing the First Year of an Unconventional Presidency" will be the subject of the 2017 Cohen Lecture Oct. 13 at the University of Maine. Former Secretary of Defense William S. Cohen will be joined in the discussion by Ambassador Marc Grossman, former under secretary of state for political affairs, and Andrew H. Card Jr., former chief of staff to President George W. Bush. Moderating the discussion will be Felicia Knight, president of the Knight Canney Group. The 2:30 p.m. event at the Collins Center for the Arts, the 11th 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. Card has served in three administrations. He had various roles in the Reagan administration, including deputy assistant to the president. From 1988–92, Card was assistant to President George H.W. Bush and deputy chief of staff, then served a year as the 11th secretary of transportation. He was the White House chief of staff in the George W. Bush administration from 2001–06. Grossman served as the under secretary of state for political affairs, the State Department's third ranking official, until his retirement in 2005 after 29 years in the Foreign Service. He was assistant secretary for European affairs from 1997–2000, and the U.S. ambassador to Turkey, 1994–97. Grossman was a vice chairman of the Cohen Group for nearly six years when, in 2011, he was back to service as the U.S. special representative for Afghanistan and Pakistan. He returned to the Cohen Group in 2013. 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

First-year students take the plunge at marine sciences boot camp

03 Oct 2017

Boot Camp 2017 marked the fifth year of a popular three-day orientation program for first-year students in the University of Maine School of Marine Sciences. Thirty first-year marine science students spent time in, on and under the water with faculty and staff who will be their instructors at UMaine. Held the week before the beginning of fall semester, the aim of boot camp is two-fold. On one hand, it's a bonding experience for incoming students; a chance to meet their peers before classes, labs and assignments fill their daily schedule. Boot camp also gives students opportunities to become acquainted with UMaine facilities, both in Orono and at the Darling Marine Center (DMC) in Walpole. Boot camp begins in Orono, where students take to the pool for an introduction to scuba diving, and to learn about the wide array of areas they'll experience during their four years of training as marine scientists. At the DMC, students explore the rocky intertidal at Kresge Point and the mudflats of Lowes Cove. They're introduced to the Damariscotta River Estuary, shellfish aquaculture and fisheries science. They hear about summer internship opportunities and the Semester by the Sea program, where they can spend a summer or fall immersed in hands-on marine science projects. The experience helps students chart the course of their academic careers and develop connections with other students that can last throughout their time at UMaine and beyond. "A significant number of Semester by the Sea students at the Darling Marine Center this fall first experienced Maine's coast and the DMC as boot campers," says William "Wge" Ellis, associate director of UMaine's School of Marine Sciences. The marine sciences boot camp is a keystone strategy of the School of Marine Sciences to recruit, retain and support students throughout their time at the university. "It is wonderful to welcome a new cohort of students into the School of Marine Sciences and to the Darling Marine Center," says professor Rhian Waller, a lead faculty member with the program. "When the boot campers arrive, I know that fall has begun. It's wonderful to see how excited they are. Many are seeing the Darling Marine Center for the first time."

Maine Hunger Dialogue begins Oct. 20

03 Oct 2017

Food waste and recovery will be the focus of the 4th Annual Maine Hunger Dialogue beginning at noon Oct. 20 and running until 2:15 p.m. Oct. 21., at the University of Maine at Presque Isle. During the event, roughly 150 students and staff from 20 universities and colleges statewide will pack 10,000 nutritious, nonperishable meals for Maine food pantries. Maine Hunger Dialogue is partnering with the [Campus Kitchens Project](#), whose 60 chapters across the U.S. have recovered over 6.5 million pounds of food, and prepared and delivered over 3 million meals to students and community members in need. Maine Hunger Dialogue is offering three \$1,000 student fellowships to inspire food waste and recovery efforts on participants' home campuses. In addition, eight \$500 mini-grants are available to participating Maine Hunger Dialogue college and university students to help launch campus-based hunger alleviation and education programs. Fellowship and mini-grant applications are due in December. Delivering the keynote address will be author and CEO of Hunger Free America Joel Berg. Other speakers include Alex Moore, author and hunger activist at DC Central Kitchen and Campus Kitchens Project; Scarion Rupia, sustainable agriculture professional from Tanzania, and Dixie Shaw, hunger activist with Catholic Charities of Maine. In addition to discussing food insecurity issues, participants will hone skills to design, communicate and launch effective community-supported hunger-alleviation projects. Planning team members will provide coaching and technical assistance. During previous Maine Hunger Dialogues, 340 faculty and students from 20 college campuses and a high school committed to action plans to address hunger in their respective communities. Twenty-nine campus teams were awarded \$500 grants for hunger-alleviation projects that were used to establish or maintain campus food pantries, as well as plant campus-based community gardens to produce fresh vegetables for local food pantries and for students with low incomes. Other projects created campus food recovery networks to redirect cafeteria surplus to local food security organizations, as well as promoted campus hunger awareness and student engagement activities, and organized fundraisers that resulted in \$2,500 for the Mid Coast Hunger Prevention Program. "By focusing on campuses and surrounding communities across the state, students can make a real difference in people's lives, as well as gain career skills, raise awareness of and work toward ending food insecurity in Maine," says Frank Wertheim, York County Extension educator of agriculture and horticulture. "Next year, we'll come back together to share and develop new projects and continue to elevate the effort to reduce insecurity among our families, neighbors and friends." Lisa Morin, coordinator of UMaine's Bodwell Center for Service and Volunteerism, says she's excited about the support received, which has allowed the event to continue for a fourth year. "These students want to make a difference and the Maine Hunger Dialogue is helping them to achieve sustainable change," she says. The planning team includes University of Maine Cooperative Extension, Maine Campus Compact, faculty and staff from multiple Maine college campuses, businesses and community volunteers. The \$35 fee includes meals. Register and find more information [online](#). To request a disability accommodation contact Linda McLaughlin, linda.mclaughlin1@maine.edu; 207.768.9740. Contact: Linda McLaughlin, [207.768.9740](tel:207.768.9740)

Grow an interest in gardening with UMaine Extension

04 Oct 2017

University of Maine Cooperative Extension Master Gardener Volunteers in Androscoggin and Sagadahoc counties will hold a Garden Fair from 10 a.m. to 2 p.m. Saturday, Oct. 7 at Topsham Public Library. The fair is designed for novice and experienced gardeners and will feature presentations by local experts and UMaine Extension Master Gardener Volunteers. Topics will include composting, small space gardening, garden cleanup and succession planting. There also will be informational tables available in the library, as well as a tour of the library's demonstration garden and a "Guest in the Gazebo" to talk about

browntail moths. The fair is free and open to the public. Refreshments, seed garlic and gardening books will be available for purchase by donation. More information is online. To request a disability accommodation, call 353.5550, ext. 23 or email lynne.holland@maine.edu.

October CCA performances to include ‘Hamlet,’ illusions show

04 Oct 2017

The Collins Center for the Arts at the University of Maine is offering a variety of performances throughout the 2017–18 season. October events will include a Shakespearean play, Dutch vocal ensemble concert, and a magic and illusions show. Aquila Theatre will bring “Hamlet,” the classic tale of love, revenge, mortality and madness, to the CCA at 7 p.m. Thursday, Oct. 12. An additional 10 a.m. showing for students will include a one-hour “guided tour” of all major scenes and will be followed by a question-and answer-session. The school showing is sponsored by the Cultural Affairs/Distinguished Lecture Series Fund. Cappella Pratensis, a Dutch vocal ensemble specializing in pieces from the 15th and 16th centuries, will perform at St. John’s Catholic Church in Bangor at 7:30 p.m. Friday, Oct. 13. The concert is a selection in the John I. and Elizabeth E. Patches Chamber Music Series. A reception for patrons and artists will follow. Jason Bishop will perform an array of magic and illusions at 7 p.m. Friday, Oct. 27. Named the “Best Performing Artist of the Year” by the Aboriginal Centre for the Performing Arts, Bishop presents grand illusions, magic such as sleight of hand, and close-up magic projected on screens, combined with modern music and audience participation. For more details and to purchase tickets, visit the CCA [website](#).

Engineering students to aid Buckfield bridge replacement project, Sun Journal reports

04 Oct 2017

Sun Journal covered a Buckfield Board of Selectmen meeting where it was announced that University of Maine students will assist with the town’s Shedd Hollow Road bridge replacement project over Darnit Brook. The UMaine Department of Civil and Environmental Engineering chose the project as part of its capstone program, according to the article. The students visited the site in September, and took photos and measurements of the affected area. The project includes replacing the culvert bridge, which is deteriorating and traps fish, the article states.

Stoll speaks with Marine Ecosystems and Management about fishery adaptability, resilience

04 Oct 2017

[Marine Ecosystems and Management](#) (MEAM) interviewed Joshua Stoll, an assistant research professor of marine policy at the University of Maine, as one of 17 social and interdisciplinary researchers working on innovative ways to improve ocean conservation and management. Stoll’s research focuses on different fisheries and their adaptability and resilience in the face of rapid change in marine environments. According to Stoll, those who participate in Maine’s lobster fishery alone show significantly different levels of adaptability and resilience in the face of change depending on their access to or participation in fisheries outside of lobstering. Some are very well-positioned to change, and others are poorly-positioned to adapt, suggesting that vulnerability and adaptive capacity needs to be investigated at the multi-fishery scale, rather than within any particular fishery. This approach provides a systematic way to account for the dynamic social and ecological interactions in a changing ecosystem, Stoll said. “Many coastal communities are actively thinking about how they will be impacted by climate change and other socioeconomic and ecological threats on the horizon (or that are actively unfolding),” Stoll told MEAM. “My hope is that our research will inform communities’ approach to thinking about adaptability and resilience.”

Construction engineering students helping Habitat for Humanity in Old Town, WVII reports

04 Oct 2017

[WVII](#) (Channel 7) reported 21 construction engineering technology students at the University of Maine are helping Habitat for Humanity renovate a home in Old Town. The students, who began planning last semester, are currently in the demolition process getting rid of structural flaws, WVII reported. “We have some bowed ceilings, bowed roof; we have to take apart pretty much everything and start from scratch and then build from there,” UMaine student John Martin said, adding it feels good to know they are helping out a family in need of a home. The project is expected to take 16 weeks, lasting throughout the fall semester, according to the report.

WVII covers fourth annual March Against Domestic Violence

04 Oct 2017

[WVII](#) (Channel 7) reported on the fourth annual March Against Domestic Violence held at the University of Maine. The march was sponsored by MBS Corps, which partnered with UMaine Athletics, Student Life, Partners for Peace and other organizations. “It’s a bigger issue than people realize,” Marcus Harding, vice president of MBS Corps, said about domestic violence. “It’s just something that goes unnoticed.” Event organizers said they want people to speak up and seek help when needed, WVII reported.

Office of Sustainability to hold trivia night, energy fair

05 Oct 2017

The University of Maine Office of Sustainability will offer two free public events for people to learn how to protect the planet and save money while having fun and competing for prizes. UMaine Energy Efficiency and Sustainability Trivia Night will be held 5–7 p.m. Oct. 25 in the FFA room on the second floor of Memorial Union. Attendees can enjoy free pies from Pat’s Pizza while playing trivia for prizes from local businesses, including Marsh Island Brewing, Orono Brewing Co., Verve and The Store Ampersand. Participants also can learn to be a [Climate Reality Leader](#) and sign up for window inserts, a green certification audit and a Maine community energy license plate. UMaine and the Maine Partnership for Environmental Stewardship will jointly present the Energy and Sustainability Fair 6–8:30 p.m. Wednesday, Nov. 1 at Orono United Methodist Church, 36 Oak St. Sharon Klein, assistant professor in the School of Economics, will be the keynote speaker. Representatives from Efficiency Maine, New England Spray Foam Insulation, Osher Environment Systems, ReVision Energy, Penobscot Home Performance, WindowDressers, Arcadia Power, Bangor EcoHomes and Maine Green Power will be available to talk about practical energy-efficiency measures and programs. There will be free slices from Pat’s Pizza and live music from Charlie Butera and Dylan

Cunningham. Attendees again are invited to sign up for free window inserts and a green certification audit. Registration is [online](#). For more information or to request a disability accommodation for either event, contact Alicia Oberholzer, energy efficiency and sustainability coordinator, at alicia.oberholzer@maine.edu or visit the Office of Sustainability [website](#).

Maine Edge previews Lord Hall Gallery sculpture exhibit

05 Oct 2017

[The Maine Edge](#) published a University of Maine news release about a Lord Hall Gallery exhibition of stone sculptures created by eight Maine artists. “Carved Stone: Maine Artists” features artists who were selected in response to the aesthetic and creative quality of their work, as well as a means of demonstrating the traditions, processes and emerging forms that make up the practice of stone carving. The exhibit, which runs Oct. 6 through Nov. 17, seeks to bring attention to the strength of Maine’s stone carving history and the contemporary artists who work within and endeavor to expand upon those traditions. Artists included in the exhibition are Matthew Foster, Mark Herrington, Kazumi Hoshino, Hugh Lassen, Richard Reichenbach, Jesse Salisbury, Tim Shay and Glenn Swanson.

Statistics compiled by Sorg cited in Kennebec Journal article on Maine’s opioid crisis

05 Oct 2017

The [Kennebec Journal](#) reported on the Maine Municipal Association’s annual convention in Augusta. During one session, front-line responders spoke about what they see daily related to the state’s opioid crisis and what they hope can be done. In 2016, 376 drug-induced deaths were reported statewide, according to the Expanded Maine Drug Death Report for 2016, funded by the Office of the Maine Attorney General and compiled by Marcella Sorg, an anthropologist and research professor with the Margaret Chase Smith Policy Center at the University of Maine. That number is a 38 percent increase over the deaths reported in 2015. Of the deaths in 2016, 88 percent were accidental overdoses, the article states.

BDN interviews Garland about fall gardening

05 Oct 2017

Kate Garland, a horticulturist with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for an article about fall gardening tasks. “The to-do list in the fall, it’s actually surprisingly big,” Garland said. “The more you can do in the fall, the better off you are going to be in the spring and the more prepared you are going to be.” Even though the bulk of growing has subsided, home gardeners shouldn’t slack on weeding their garden in the fall, according to the article. If weeding by hand seems overwhelming, Garland said mowing through the rows with a lawnmower that has a bag attachment will help reduce the number of weeds that are able to seed in your garden. The more weeds you can remove from the seed bank in your soil now, the less you will have to tackle in the spring, the article states. Garland also suggested gardeners start building a new compost pile, test their soil and plant a cover crop.

WVII reports on citizen-science lake water quality project

05 Oct 2017

[WVII](#) (Channel 7) reported on a University of Maine citizen-science project aimed at protecting lake water quality in the state. The project began in 2015 with funding from UMaine’s Senator George J. Mitchell Center for Sustainability Solutions and recently received an additional National Science Foundation grant. “We have some lakes in Maine whose water quality have been deteriorating (and) we’re not sure completely why,” said Aria Amirbahman, a UMaine professor of civil and environmental engineering who is co-leading the project. “Water quality is really important right now,” said Kaci Fitzgibbon, a graduate research assistant on the project.

Barkan, Glover featured in BDN editorial on violence in America

05 Oct 2017

The [Bangor Daily News](#) sought input from Maine experts in sociology, politics and criminology who are members of the Maine Scholars Strategy Network for an editorial about violence in America. The BDN asked the experts, “Is America becoming more violent? Divided? How do we and America remain resilient in the face of such violence and division?” The editorial featured responses from Steven Barkan, a sociology professor at the University of Maine and author of “Criminology: A Sociological Understanding,” and Robert Glover, an associate professor of honors and political science at UMaine.

Media cite Butler’s study on Supplemental Nutrition Assistance Program

05 Oct 2017

[Maine Public](#), [WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported on a new [study](#) on the state’s Supplemental Nutrition Assistance Program (SNAP) written by Sandra Butler, a social work professor at the University of Maine. Maine Equal Justice Partners and Preble Street partnered to survey families around the state for the study, WABI reported. They study concluded that among Mainers who are receiving SNAP benefits, 63 percent are in households with children, 43 percent contain household members who are elderly or have a disability and 41 percent are working households. The study also found 62 percent of respondents said they would get very little to no help to get the food they need if they lost SNAP benefits. “We found out SNAP helps a lot,” Butler told [WVII](#). “It reduces anxiety about how to put food on the table. It reduces anxiety about paying the bills. But we also found out despite that, people don’t get enough food to eat every month and many have to go to a food pantry.” The [Bangor Daily News](#) also cited the study in an editorial.

Marina Cucuzza: DMC assistantship great prep for research on resilience of fishing communities

06 Oct 2017

Editor’s note: In this student profile, graduate student Marina Cucuzza writes about the value of her summer experience at the Darling Marine Center. The

University of Maine Mitchell Center for Sustainability Solutions partially funded her research. As the summer came to a close, I left the Darling Marine Center to begin my first semester of graduate school at the University of Maine. There wasn't a dull moment since I arrived at the marine lab in early May 2017, as my research assistantship and resident life assistant position kept me quite busy. The summer was full of opportunities for research, public outreach and professional development, and I am grateful to have spent time both in the lab and on the water. In collaboration with professors Heather Leslie and Josh Stoll, my research focused on investigating conservation efforts in the United States that exemplify marine ecosystem-based management. From the Puget Sound Partnership in Washington to the Florida Keys National Marine Sanctuary, these initiatives work to protect ocean resources while meeting the needs of people. Through a literature analysis and policy document review, I explored the drivers, governance structures, challenges and accomplishments of these organizations. I developed flowcharts that outline their co-management structures and created timelines that track their progress. To learn about the processes that facilitate successful management, I interviewed managers, policymakers and scientists. The information gained from this project will inform discussions on cooperative research and co-management efforts in the Gulf of Maine. I will present this work at a workshop this fall that will focus on opportunities to integrate and advance ecosystem-based fisheries management in Maine. One of the most valuable experiences I had this summer was the opportunity for public outreach. I led weekly walking tours of the marine lab's waterfront facilities, helped run an undergrad professional development program and volunteered to teach visitors about plankton at the Damariscotta Mills alewife festival. These experiences were great opportunities to engage with the public and communicate science. A highlight of my summer was the day I spent on a lobster fishing boat with a researcher from the Maine Department of Marine Resources. The trip was part of the sea sampling survey, an effort to collect biological and catch/effort information within Maine's lobster fishery. Lobster traps were hauled to assess the number and characteristics of legal, sublegal, oversize, egg-bearing and V-notched lobsters. I measured and tagged over 60 Jonah crabs that were caught in the lobster traps (and only got pinched once) as part of an ongoing migration and stock assessment study. I also helped V-notch egg-bearing female lobsters and learned to stage egg development of these "egggers." It was a long and exhausting day at sea, but I am grateful for the opportunity to learn from both fishermen and scientists. With the start of the semester, I am beginning the dual degree Masters of Science in marine biology and marine policy at UMaine. My thesis will explore questions relating to resilience and sustainability of Maine's coastal fishing communities in the face of ecological and social change. The work I did this summer has been instrumental in preparation for my thesis work and I am beyond grateful for my summer at the Darling Marine Center and excited for the work that lies ahead. Contact: Beth Staples, 207.581.3777

Postponed indefinitely: Inaugural King Chair Lecture

06 Oct 2017

Editor's note: as of Oct. 11 the inaugural King Chair Lecture has been postponed indefinitely. The power of stories will be the focus of the inaugural Stephen E. King Chair Lecture Oct. 25 at the University of Maine by internationally recognized educator Nancie Atwell. The free public lecture begins at 7:30 p.m. in Minsky Recital Hall. For more information or to request a disability accommodation, contact caroline.bicks@maine.edu. Atwell is one of the most respected educators nationally and internationally. In 2015, she won the inaugural Global Teacher Prize, awarded by the Varkey Foundation. Atwell donated the \$1 million award to the Center for Teaching and Learning, the K-8 demonstration school she founded in Edgcomb, Maine, in 1990. Atwell's seminal book, "In the Middle," now in its third edition, has inspired generations of teachers; in it she describes her teaching journey and the practices she developed that led to her nomination. Her most recent book, co-authored with her daughter Anne Atwell Merkel, is "The Reading Zone: How to Help Kids Become Passionate, Skilled, Habitual, Critical Readers." Atwell's innovative pedagogy and literacy research embody the mission of the King Chair: to promote the humanities; to help students become smarter, more empathetic, book-loving adults; and, as the title of her talk implies, to celebrate "The Power of Stories." These stories include many of King's, whose works are well represented on her school's "Kids Recommend" site. Her talk and her work with the students of Maine epitomize why the humanities matter beyond the academy. Contact: Margaret Nagle, 207.581.3745

Mainly Baroque to join faculty, students for two performances

06 Oct 2017

The School of Performing Arts at the University of Maine will host two performances of Mainly Baroque, a musical trio of European early music specialists, in concert with UMaine students and faculty. Mainly Baroque returns to UMaine with a program of repertoire for multiple voices or parts, titled, "A più parti: 17th century music for multiple part ensembles." Rose Barrett on baroque violin, from France; Luca A. Rizzello on baroque violin, from the Netherlands; and Gilberto Scordari on organ and harpsichord, from Italy will join UMaine faculty members Anatole Wieck on violin, Dan Barrett on trombone and others from SPA and area communities. The concerts, which are free and open to the public, will take place in Minsky Hall at 7:30 p.m. Oct. 10 and 13. Each concert will feature a different program of music, highlighting the unique blend of violins and trombones in ensembles of varying size. Currently in its third edition, Mainly Baroque was conceived in 2015 as a musical and cultural exchange centered around the research and performance of 17th century Italian music. A collaboration between European early music specialists and faculty from SPA, the project is designed to provide students with an introduction to historical performance practice as well as opportunities to receive expert coaching and perform period repertoire in historical venues. UMaine faculty and students also will join Mainly Baroque for performances at 7:30 p.m. Oct. 11 at St. Saviour's Church in Bar Harbor, and at 7:30 p.m. Oct. 14 at St. John's Catholic Church in Bangor. These performances are free, with a suggested donation, and open to the public. More information about the SPA performances is [online](#). For more information about the Bar Harbor and Bangor performances, call Barrett, 581.1238.

K-12 students invited to 'Follow a Researcher' to Antarctica

06 Oct 2017

University of Maine Cooperative Extension 4-H will connect K-12 students in Maine and around the country to UMaine student researchers in the field as part of its Follow a Researcher[®] program. The program, now in its fourth year, is designed to give students a glimpse into a student scientist's world by providing live expedition updates and facilitating communication between the youth and scientist. Follow a Researcher[®] is offered by UMaine Extension with support from UMaine's Climate Change Institute (CCI) and the Maine 4-H Foundation. Through Nov. 10, participants can watch Lynn Kaluziński, a graduate student at CCI, conduct research in Antarctica. Kaluziński is a glaciologist, studying the formation, movement and effects of different types of glaciers, and will be conducting field research to better understand changes occurring in the ice shelves of Antarctica. Using the data she collects, Kaluziński will develop a model to make predictions about the future of the ice shelves and their effect on sea level rise. Working with a team of scientists and engineers using satellite technology to measure ice movement, she will be mapping the harsh terrain hidden beneath the surface with the help of a robot. Educators and students can join Kaluziński and take part in the adventure by signing up to participate [online](#). To request a disability accommodation, contact Jessica Brainerd at 581.3877, jessica.brainerd@maine.edu.

Riordan speaks with Maine Edge about ARTober

06 Oct 2017

Liam Riordan, a history professor at the University of Maine, spoke with [The Maine Edge](#) about ARTober, a monthlong celebration of arts and culture in Bangor. ARTober is put on by the Commission on Cultural Development, with support from several sponsors, including the McGillicuddy Humanities Center at UMaine, according to the article. Riordan, one of the event organizers, said he is most looking forward to the dramatic, poetry and visual arts presentations by students from UMaine, University of Maine at Augusta-Bangor and Eastern Maine Community College at the kickoff party, which will be held 5 p.m. Oct. 6 at the Bangor Arts Exchange in downtown.

Hazing study cited in The Atlantic report

06 Oct 2017

[The Atlantic](#) cited a 2008 University of Maine study on hazing in the article, “Death at a Penn State fraternity.” The article refers to the report, which was conducted by researchers Elizabeth Allan and Mary Madden, as “the most comprehensive study of college hazing.” The study found 80 percent of fraternity members report being hazed, the article states. [NewsOK](#), [Time](#) and [Daily Mail](#) also cited the study in articles on hazing.

UMaine awarded federal funds for projects that support food economy, media report

06 Oct 2017

The [Portland Press Herald](#) and [Mainebiz](#) reported the University of Maine Cooperative Extension and the Maine Agricultural and Forest Experiment Station at UMaine are among the recipients of federal funding awarded to support Maine’s local food economy. Maine businesses and food projects will receive over \$1 million in funding from the U.S. Department of Agriculture, U.S. Rep. Chellie Pingree announced in a [news release](#). UMaine Extension will receive funding for a project to develop soil and climate-based phosphorus recommendations for the purpose of improving nutrient use efficiency and reducing grower’s input cost and environmental issues. A partnership between the Maine Agricultural and Forest Experiment Station and UMaine Extension to address microbial quality and safety of Maine maple syrup also will get support, according to the release. “Increasing the production and consumption of local food represents a fantastic opportunity for Maine jobs and businesses,” Pingree said.

UMaine mentioned in BDN editorial on mass timber

06 Oct 2017

The University of Maine was mentioned in the [Bangor Daily News](#) editorial, “Maine should help give mass timber mass appeal.” The editorial argues the state could benefit greatly from turning the lumber from Maine woods into a variety of new products. Using any of the state’s vacant industrial spaces to manufacture mass timber products could dramatically lower costs in Maine, the editorial states. “The University of Maine is already doing much of that work, using federal grant money to pay for half of its \$1 million Mass Timber Commercialization Center, which will promote bringing new types of wood product manufacturing to the state,” the editorial reads.

Wilson Center offering interactive ‘Along the Migrant Trails’ exhibit

10 Oct 2017

Items left behind by escaping migrants traveling along the Arizona/Mexico border are on display at The Wilson Center for Spiritual Exploration and Multifaith Dialogue in Orono until mid-November. The exhibit, titled “Along the Migrant Trails,” features an array of lost objects — wallets (still with their contents), cowboy boots, children’s clothes, backpacks, and even letters, drawings and a Valentine — all carefully preserved, yet coated with remnants of the desert. The exhibit was made possible by Sara Lowden, a Ph.D. student of anthropology at the University of Maine. The artifacts were made available by Deborah McCullough, an artist and member of the Tucson Samaritans in Arizona, a nonprofit group founded in 2002 whose civil initiative is to “protect the victims of human rights violations when the government is the violator.” Viewers are encouraged to interact with the items by reading and handling them. The Wilson Center will host public open houses for the exhibit at 2 p.m. Oct. 15 and 22. The exhibit is free, but a donation to the Tucson Samaritans is welcomed. The Wilson Center is located at 67 College Ave. More information about the center and exhibit is [online](#).

Walk, wellness fair to highlight Exercise is Medicine on Campus Month

10 Oct 2017

To celebrate Exercise is Medicine on Campus Month, the University of Maine is offering several October events to promote wellness. President Susan J. Hunter and Robert Dana, vice president for student life and dean of students at UMaine, will lead a walk starting at noon Oct. 12 on the Mall in front of Fogler Library. Members of the community are invited to walk for up to an hour, or just a few laps around the Mall. Exercise is Medicine on Campus and Outdoor Nation are teaming up to promote outdoor physical activity through the community event. Participants can claim extra points for UMaine as part of the [Outdoor Nation Campus Challenge](#) to become the “most outdoorsy” school in the country. The UMaine Health and Wellness Fair will be held 11 a.m.–2 p.m. Oct. 23 at the New Balance Student Recreation Center. Visitors will have the opportunity to learn more about the Exercise is Medicine on Campus initiative, as well as talk with campus and community vendors about ways to stay healthy, happy and well. UMaine and University of Maine System employees can earn RiseUp points for attending the free fair.

Maine Public interviews Brewer for report on casino campaign fundraising

10 Oct 2017

Mark Brewer, a political science professor at the University of Maine, spoke with [Maine Public](#) for the story, “Campaign finance reports: Fundraising in York County casino battle off to slow start.” The two political action committees supporting and opposing the creation of a casino in York County have filed their

first campaign finance reports, and so far, they have raised only a fraction of what's expected to be spent for the duration of the campaign, Maine Public reported. "They really don't tell us much at this point," Brewer said of the finance reports. "We are still early in the process."

Carter writes BDN op-ed on 'precarious economies'

10 Oct 2017

Valerie Carter, a research associate at the University of Maine's Bureau of Labor Education, wrote the [Bangor Daily News](#) opinion piece, "Struggling to survive: The reality of living in a precarious economy." Carter 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.

Breece speaks with Boston Globe for article on Steuben subdivision

10 Oct 2017

James Breece, an associate professor of economics at the University of Maine, was quoted in a [Boston Globe](#) article about a subdivision in Steuben with oceanfront lots that began selling in 2004. Sales came to a standstill once the recession hit, and over the course of 13 years, only two homes were built, according to the article. "This was intended to be an upper-scale neighborhood and marketed like that. It just didn't happen," said Julie Ginn, the town clerk and tax collector in Steuben. "People here can't afford waterfront property. We are not Bar Harbor or Mount Desert Island. We have the beauty of it but we don't have the economy." Now 40 to 50 lots on the 600-acre site are going on sale Saturday at deep discounts in a liquidation event that has been heavily marketed to residents in Massachusetts and nearby states, the Boston Globe reported. "It's past the point where many tourists go," Breece said of the area. "It's not as desirable as Camden or Boothbay or Bar Harbor."

Wilson Center immigration exhibit featured in BDN

10 Oct 2017

The [Bangor Daily News](#) reported on an interactive exhibit on display at the Wilson Center for Spiritual Exploration and Multifaith Dialogue. "Along the Migrant Trails" features items left behind by escaping migrants traveling along the Arizona/Mexico border. The exhibit was made possible by Sara Lowden, a Ph.D. student of anthropology and environmental policy at the University of Maine, and was curated by Arizona artist Deborah McCullough, who uses some items found along the trails in her 3-D artwork, according to the article. Lowden met McCullough and became familiar with her work through Tucson Samaritans, a group dedicated to saving the lives of those making the dangerous crossing to enter the U.S. illegally, the article states. Lowden said she wanted to bring the exhibit to Maine to humanize immigration. The Wilson Center will host public open houses for the exhibit at 2 p.m. Oct. 15 and 22.

Yahoo quotes Blackstone in report on Harvey Weinstein harassment allegations

10 Oct 2017

Amy Blackstone, a sociology professor at the University of Maine, spoke with [Yahoo](#) for an article about a recent New York Times story that detailed decades of sexual harassment accusations against Hollywood film producer Harvey Weinstein. "This seems like the classic case where a man of great power is using that power to intimidate women," according to Blackstone, who has expertise in workplace harassment. Why such scenarios continue to play out is a difficult question to answer, she said, but an even harder question to answer is "How can we change it?" Wondering what leads to unbreakable silence in such a toxic culture of sexual harassment is natural, according to experts. But calling it complicit, or believing it's the root of the problem, is "absolutely unfair," Blackstone said. [USA Today](#), [CNNMoney](#) and [FiveThirtyEight](#) also cited Blackstone in reports on Weinstein and sexual harassment.

Ozy cites Riordan in article on Maine history

10 Oct 2017

Liam Riordan, a history professor at the University of Maine, was interviewed by [Ozy](#) for the article, "When Maine nearly became Britain's 'New Ireland.'" A refuge for hundreds of loyalists who found themselves financially pinched and socially ostracized by America's rebellion, New Ireland was named because of its location between New England and Nova Scotia (aka New Scotland), according to the article. In June 1779, the British landed a 700-strong force at the mouth of Penobscot Bay and built a fort. With the British navy blocking their exit, the Americans were forced to abandon their ships near Bangor and walk home, the article states. In many ways, it would have made sense for the British to hang on to the area, but they had different priorities during the 1783 peace negotiations in Paris, Ozy reported. "It was pretty clear to [the British] that this new republic was going to fail in a short amount of time, but they were very worried about enhancing French power," Riordan said. "From the British point of view, giving generous concessions to the Americans about where this boundary line was drawn in a region of very sparse settlements didn't really matter."

Reading the genetic signature of the sea scallop

11 Oct 2017

Scallops are one of the most profitable fisheries in Maine, with a statewide value of nearly \$7 million in 2016. The scallop fishery is also one of the most local, with small "day boats" staying close to shore. Landings (and populations) have fluctuated over the years, with the latest peaks in the mid-1980s and 1990s. After severe declines in the early 2000s, the state instituted adaptive management, closing some areas and closely monitoring others. The approach seems to be successful, as landings have increased significantly, although the exact reasons are unclear and there are many questions left unanswered. Does closing a scallop bed protect spawning? How long does population recovery take? If a scallop bed is large, does that mean it's healthy? Are all scallop beds equally productive? Skylar Bayer, who graduated this spring from the University of Maine with a Ph.D. in marine biology, has been studying scallops for six years in Richard Wahle's lab at the Darling Marine Center. Her research addresses questions about scallop reproduction. Scallops are broadcast spawners, releasing their eggs and sperm separately into the water. Fertilization happens by random encounters. Bayer has learned what she knows about scallop spawning events from both [laboratory and field experiments](#), manipulating the temperature to induce spawning, and weighing reproductive organs from scallops (the subject of her infamous [Colbert Report appearance](#)). Even under a microscope, however, it is difficult to distinguish the eggs, sperm, embryos

and larvae of scallops from those of other bivalves. So, how can scientists understand how what happens in the open ocean? These questions, combined with the availability and affordability of new analytical methods and Wahle's encouragement, led Bayer into the expanding world of quantitative DNA detection and to the unexpected collaboration with Peter Countway, a microbial ecologist and senior research scientist at Bigelow Laboratory for Ocean Sciences in nearby East Boothbay. Countway studies the diversity and structure of microalgae, protozoa and bacteria — all microscopic organisms. Collaborating with Bayer on scallops was an opportunity to look at larger animals in the plankton (metazoans), such as scallop eggs, sperm and larvae. "I typically throw out the DNA sequences from the larger stuff, the metazoans and macrofauna, but there could be really important information there," he said. "Being able to detect the microbial stage of a metazoan suddenly gives us a window into this realm of spawning and settlement that was previously a black box." With financial support from Maine Sea Grant, the scientists began a project to detect spawning without having to collect, tag, track, tend, dissect or harvest scallops, as would be required by traditional approaches. "We're not doing destructive sampling, dissections that kill the animal, and if the environmental sampling works out, we won't have to collect animals and bring them into the lab," said Bayer. Their first task was to sequence a selected region of scallop DNA, something that had not been done before. Then they developed a technique, using a method known as quantitative polymerase chain reaction, that uses three pieces of DNA that work together to locate and amplify scallop DNA against the backdrop of millions of other types of DNA in the environment. Bayer and Countway next had to determine whether or not they could detect scallop DNA in a typical seawater sample. The natural abundance of scallop cells in the ocean might be too small for even the most sophisticated instrument to detect. The advantage of their newly designed test is its ability to amplify the amount of scallop DNA in a sample by several orders of magnitude, enabling detection via measurement of fluorescence. They successfully used the method to detect spawning scallops in the Darling Marine Center laboratory. They were awarded additional Sea Grant funds to try it in a real-world setting. In August, Bayer and Countway hung nets filled with adult scallops off the dock at Bigelow Laboratory, and spent the next two months collecting water samples from the area around the scallops, to determine background levels of scallop cells and try to detect an increase in scallop genes coinciding with a natural spawning event. Spawning events in coastal Maine often occur after water temperatures peak at the end of summer, in August or September. Spawning events can happen quickly and last less than an hour, so Bayer has had to collect many samples, and also dissect some of the scallops to confirm spawning activity and compare it to their water samples. Over the next two months, Bayer and Countway will be extracting DNA from their samples to determine if they have captured any spawning events. "Trying to capture spawning events in the field in real-time is risky and requires a lot of time and effort, but the payoff is worth it. If we can detect spawning events with this method, we could open a whole new door into understanding reproduction and population dynamics in marine animals," said Bayer. There is growing interest in environmental DNA or "e-DNA" techniques for assessing biodiversity, detecting the presence of invasive or toxic species, or studying migration patterns. The signatures of life are everywhere, revealing where animals have been and, in the case of spawning scallops, what they've been doing. Scientists no longer need to actually see or capture a species to know it is there. The promise of e-DNA is the focus of a preliminary proposal led by David Emerson of Bigelow Laboratory, which was selected to be developed into a full Track 1 proposal to the National Science Foundation EPSCoR program in 2018. UMaine will be working closely with Bigelow and other marine research organizations in the state over the next year in this effort. Contact: Catherine Schmitt, 207.581.1434

'Russia, Ukraine, and Euro-Atlantic Security' conference slated Oct. 12–13

11 Oct 2017

The University of Maine's School of Policy and International Affairs (SPIA) and Cohen Institute for Leadership and Public Service will co-host the two-day conference, "Russia, Ukraine, and Euro-Atlantic Security" Oct. 12–13. Speakers will include former diplomats and academics representing Russian, European, Ukrainian and American perspectives. The conference will conclude with a roundtable discussion involving the presenters and speakers from previous panel sessions. The event is free and open to the public. All conference panels will be held in Stodder Hall, Room 57. More information, including a conference program, is [online](#).

Software engineer Becky Plummer to speak Oct. 12

11 Oct 2017

The University of Maine's School of Computing and Information Science and student chapter of ACM-W (Association of Computing Machinery's Council on Women in Computing) will present a talk by software engineer Becky Plummer on Oct. 12. Plummer will present "How my love of computer science blossomed as a Maine-iac and took me to London" from 11:30 a.m. to 12:30 p.m. in Hill Auditorium, Barrows Hall. The talk will include an opportunity to ask questions about success and failure as a woman in a field primarily dominated by men. Plummer is a graduate of UMaine and Columbia University with a master's degree in computer science. At UMaine, she gained professional experience working at ASAP Media Services, a student-operated new media research and development organization. Plummer joined Bloomberg LP in New York in 2006 and moved to London in 2014 to gain a global perspective. She is the software engineering team leader responsible for content collaboration applications for Bloomberg Terminal. She also is the global head of Engineering Champions, a program she created in 2011 to empower developers to influence change and collaborate on improving the development environment. For more information, or to request a disability accommodation, call Stacy Doore at 944.4282.

World Languages Day Oct. 12

11 Oct 2017

More than 100 Bangor and Brewer area high school students studying advanced French and Spanish are expected to participate in World Languages Day Oct. 12 at the University of Maine. The annual event, offered by UMaine's Department of Modern Languages and Classics, features immersion activities in French and Spanish, including a culture bowl, scavenger hunt, skits, music and dance, games and poetry readings. UMaine students, faculty and staff, including members of the French and Spanish Language clubs, will lead the activities scheduled for 8:30 a.m.–1:30 p.m., in Estabrooke and Little halls, and the Memorial Union.

Maine Sea Grant cited in Free Press article on wild versus farm-raised salmon

11 Oct 2017

[The Free Press](#) mentioned the Maine Sea Grant College Program at the University of Maine in an article comparing wild-caught and farm-raised salmon. Maine "ocean-raised" salmon are highly regulated, in part because of the endangered designation of the wild fish, according to the article. Like livestock, the fish are vaccinated, but widespread use of antibiotics, pesticides, growth enhancers and other chemical treatments for the fish is illegal in Maine, the article

states. The fish are tested by the Federal Drug Administration for chemical residue and contaminants, according to Maine Sea Grant.

Machias Valley News Observer advances UMM photography exhibit

11 Oct 2017

[Machias Valley News Observer](#) reported an exhibit featuring the work of photographer Lisa Tyson Ennis will be on display at the University of Maine at Machias Art Gallery through Dec. 8. A reception to open “What Once Was” will be held from 5 to 7 p.m. Oct. 18. Responding to dramatic changes occurring within the inshore fisheries of New England and Atlantic Canada, fine arts photographer Ennis has focused her large-format cameras on the area’s haunting symbols of another time — herring weirs, smokehouses and remote fishing outports in Newfoundland, the article states.

UNH, UMaine to study economic impact of invasive plants, Fosters.com reports

11 Oct 2017

[Fosters.com](#) reported researchers with the New Hampshire Agricultural Experiment Station at the University of New Hampshire have received a \$499,883 USDA grant to investigate the economics of managing invasive plants in forests owned by private landowners. Jessica Leahy, an associate professor of human dimensions of natural resources at the University of Maine, is on the team of researchers working on the project, according to the article. The researchers plan to map risk of glossy buckthorn invasion in New Hampshire, Maine and Massachusetts, estimate costs and benefits of available and new glossy buckthorn control strategies; conduct focus groups, surveys and choice experiments among landowners within the invasion hot spot areas to estimate their willingness to adopt available management strategies; and develop spatial bioeconomic models to understand whether and how landowner characteristics affect negative spillovers in forest plant invasion management, the article states.

USA Today cites Day in article on fall foliage

11 Oct 2017

Michael Day, an associate research professor of tree physiology and physiological ecology at the University of Maine, was cited in the [USA Today](#) report, “Is the unusual warmth ruining the fall foliage season?” The ongoing summerlike heat in the Northeast has dulled some of the annual foliage, according to the article. A very hot, dry September allowed the leaves to continue producing the chlorophyll that keeps them green, the article states. Overall, vibrant fall colors occur when three factors come together: the days get shorter, dry weather prevails, and the temperature drops, according to Day.

Research led by Jayasundara mentioned in articles on effects of pollutants

11 Oct 2017

A recent study led by Nishad Jayasundara, an assistant professor of marine physiology at the University of Maine, was cited in the [Massive](#) article, “We know terrifyingly little about how our bodies react to pollutants, but that’s changing.” The international research team focused on the mummichog, a common fish that primarily lives in estuaries, marshes and coastal environments and has a unique ability to adapt to polluted environments, according to the article. The team collected live fish from sites known to contain high, medium, and low levels of polyaromatic hydrocarbons (PAHs), a toxic and carcinogenic pollutant. The fish were then allowed to acclimate to environmental conditions in captivity before undergoing a comprehensive evaluation, the article states. After the acclimation period, the researchers made the fish swim until tired while measuring their oxygen consumption, metabolic rate, swimming ability, and tolerance to increased temperatures. The researchers found mummichogs deal with PAH exposure by changing their gene makeup, Massive reported. [Pacific Standard](#) and [Salon](#) also published the article.

Conservation scientist to talk about perspectives, solutions at DMC

12 Oct 2017

Conservation scientist Phillip Levin will give a free public talk titled “Integrating diverse perspectives to create conservation solutions that benefit nature and people” at 7 p.m. Oct. 17 in Brooke Hall at the University of Maine Darling Marine Center. The seminar, co-sponsored by the DMC and The Nature Conservancy in Maine, will focus on challenges of balancing diverse values and crafting durable solutions in natural resource management, including marine fisheries. Levin is lead scientist at The Nature Conservancy in Washington state and a professor-of-practice in the School of Environmental and Forest Sciences at the University of Washington. He bridges gaps between conservation theory and practice. Levin develops interdisciplinary tools to inform conservation of marine, aquatic and terrestrial ecosystems and the communities that depend on them. Formerly, Levin was the director of conservation biology and a senior scientist at NOAA Fisheries Northwest Fisheries Science Center in Seattle. Levin has published more than 150 scientific papers in peer-reviewed journals, book chapters and technical reports. He edited the recently published book, “Conservation of the Anthropocene Ocean: Interdisciplinary approaches for nature and people.” Doors will open at 6:30 p.m.; refreshments will be served. For more information or a disability accommodation, contact Linda Healy at 563.8220, lhealy@maine.edu.

Public invited to conference on ‘Reclaiming a Culture of Peace and Non-Violence’

12 Oct 2017

The University of Maine College of Education and Human Development, Peace and Reconciliation Studies, and ESTIA invite the public to attend the fall conference, “Reclaiming a Culture of Peace and Non-Violence,” 10 a.m. to 5 p.m. Oct. 16 at Buchanan Alumni House. Presenters include:

- Darren Ranco, George J. Mitchell Center for Environmental and Watershed Research and Native American Programs; member of the Penobscot Indian Nation
- Hawk Henries, member of the Chaubunagungamaug band of Nipmuck
- Gladys Ganiel, research fellow at the Sen. George J. Mitchell Institute for Global Peace, Security and Justice, Queen’s University, Belfast, Ireland
- Timothy G. Reagan, Dean, UMaine College of Education and Human Development

- Hugh Curran, UMaine Peace and Reconciliation Studies
- Douglas Allen, UMaine Department of Philosophy
- Judith Josiah-Martin and Alison Smith Mitchell, UMaine School of Social Work
- Laura Artesani, UMaine Music Education Program
- Susan Bennett-Armistead, UMaine College of Education and Human Development Literacy Program

A light lunch will be served during the conference. Peace and Reconciliation Studies in an interdisciplinary program offering both undergraduate and graduate courses examining the social conditions for peace, with special emphasis on reconciliation and forgiveness as a vital factor. It is housed within the College of Education and Human Development. ESTIA (Eco-peace, Sustainability, Training, International Affiliations), the International EcoPeace Community, is a Maine-based nonprofit founded in 2004. ESTIA promotes and facilitates sustainability and peace through education, and has been instrumental in organizing conferences and permaculture training sessions over the course of the past 14 years. ESTIA has a long-standing affiliation with UMaine, and several board members are part of the Peace and Reconciliation faculty. To RSVP, contact sid.mitchell@maine.edu or 581.3435.

Republican Journal previews UMaine Extension 4-H auction, bake sale

12 Oct 2017

[The Republican Journal](#) reported the University of Maine Cooperative Extension 4-H in Waldo County will hold a live 4-H auction and bake sale at 1 p.m. Oct. 14 at the Freedom Grange in Freedom. All proceeds support Waldo County 4-H scholarships and programs. Numerous Waldo County businesses and individuals have donated to make the auction possible, according to the article. The community auction is the largest annual fundraiser of the Waldo County 4-H Leaders' Association, which supports county 4-H youth programming, and offers full and partial scholarships for youth citizenship programs, national 4-H events and more, the article states.

UMM one of four system campuses waiving tuition for Pell grant students, media report

12 Oct 2017

[Portland Press Herald](#), Maine Public, [Bangor Daily News](#), [WABI](#) (Channel 5), [WGME](#) (Channel 13 in Portland), [Mainebiz](#), [WAGM](#) (Channel 8 in Presque Isle), [WVII](#) (Channel 7) and The Associated Press reported the University of Maine System is eliminating out-of-pocket tuition and fees at four of its campuses next fall for any first-year Maine student who qualifies for a need-based federal Pell grant. The new financial aid program will be available to students at University of Maine at Machias, Fort Kent, Augusta and Presque Isle. According to officials, the move is expected to lower student debt while helping students graduate within four years and increasing retention, Press Herald reported. UMaine, while it isn't part of the free tuition program, recently launched a similar marketing and student advising push of its own called Think 30 in an effort to boost the number of students earning a degree on time and keeping their debt down, the BDN article states. [U.S. News & World Report](#) carried the AP story. The [BDN](#) also published an editorial on the program.

Mount Desert Islander advances shell midden talk by Kelley

12 Oct 2017

[Mount Desert Islander](#) reported University of Maine climate scientist Alice Kelley will speak at the College of the Atlantic's Human Ecology Forum at 4:10 p.m. Oct. 17 in Bar Harbor. Kelley will explore the race to save Maine's shell middens — piles of clam and oyster shells, archaeological artifacts and animal bones left by coastal indigenous Americans thousands of years ago — as climate change and rising seas bear down on Maine's coast, according to the article. Kelley, who is an instructor in the School of Earth and Climate Sciences and a research associate professor in the Climate Change Institute at UMaine, has been working on a project funded by Maine Sea Grant to address the loss of these valuable cultural resources, the article states. The free, public talk will be held in COA's McCormick Lecture Hall.

WVII reports on latest 'Follow A Researcher' expedition to Antarctica

12 Oct 2017

[WVII](#) (Channel 7) reported K-12 students in Maine and around the country will be able to connect to a University of Maine graduate student during an expedition to Antarctica as part of the UMaine Cooperative Extension 4-H's Follow a Researcher® program. The program, now in its fourth year, is designed to give students a glimpse into a student scientist's world by providing live expedition updates and facilitating communication between the youth and scientist. Through Nov. 10, participants can watch Lynn Kaluzienski, a graduate student at UMaine's Climate Change Institute, conduct research in the field. Greg Kranich and Laura Wilson, 4-H science youth development professionals at UMaine, spoke with WVII about Kaluzienski's research and using the latest technology to keep students connected with her in real time.

Wahle, Bayer speak with BDN about low value of Maine's lobster catch

12 Oct 2017

Rick Wahle, a research professor in the University of Maine's School of Marine Sciences, and Bob Bayer, executive director of the Lobster Institute at UMaine, spoke with the [Bangor Daily News](#) for the article, "Maine lobster catch on track to hit lowest value this decade." Due to an unfavorable combination of a dwindling catch and falling prices, the statewide lobster haul for this year could plummet below 100 million pounds for the first time since 2010 — a decrease of more than 30 million pounds from 2016, according to the president of Maine Lobstermen's Association. Scientists are puzzled by the disparity between the decreasing number of young lobsters settling on the ocean bottom and the increase in the number of harvest-size lobsters showing up in lobster traps, according to the article. "We're calling it The Great Disconnect," Wahle said. Continued warming could reduce lobster survival throughout the Gulf of Maine, the article states. If fewer lobsters are surviving to the settlement stage, their food sources could also be shifting farther north outside the Gulf or they're falling victim to more predators such as black sea bass, Wahle said. Additionally, the increasing occurrence of shell disease could be adversely affecting reproduction rates. "We're not at all at a steady state with this fishery," Wahle said. However, Bayer said there is still plenty of fishing yet to be done this fall, and many fishermen are throwing back a lot of lobsters just under the minimum legal harvest size. "They're still catching loads of small lobsters," Bayer said. "I think it may be a one-year thing, but it is hard to tell."

The Atlantic sturgeon's sojourn

12 Oct 2017

Atlantic sturgeon that summer in Maine's Penobscot River estuary can be found in the fall and winter in waters as far away as Nova Scotia and New York City, according to a seven-year University of Maine study of the fish that is one of the planet's living fossils. Results of the study are helping identify the fish's critical habitats, and inform management decisions concerning the species. Adult Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*) have been cruising the rivers and coastline of what is now Maine for millions of years. Despite their size — they can grow to be more than 13 feet long and weigh over 600 pounds — Atlantic sturgeon are elusive creatures. And their numbers have dwindled. At one time, the anadromous fish were abundant in waters spanning the East Coast of North America, from Labrador, Canada to Florida. But an extensive caviar fishery, industrial activity and damming along the rivers crucial for the fish's spawning and summer foraging brought the population to record lows. Currently, Atlantic sturgeon are listed as threatened in the Gulf of Maine and endangered throughout the rest of their U.S. range. A UMaine research team led by Gayle Zydlewski, associate professor in the School of Marine Sciences, is working to shed light on the sturgeon's complex life history to help inform conservation strategies. For seven years, the researchers have focused on the sturgeon's estuary habitats and where they go when they leave them. They recently published some of their findings in the journal *Marine and Coastal Fisheries*. During the course of the study, which focused primarily on young adult (subadult) sturgeon, the researchers surgically implanted acoustic transmitters in a number of fish caught in the Penobscot River estuary and tracked their movements using a regionwide network of underwater receivers. The receivers were placed strategically throughout an almost 30 mile stretch of the Penobscot River estuary and across key passages in Penobscot Bay. Others receivers were located in the marine waters both within and outside the Gulf of Maine. The researchers found that during the summer months, subadult sturgeon congregate in a narrow 3 mile stretch of the Penobscot estuary, most likely to forage on the area's abundant marine worms. Nearly all of the tagged sturgeon returned to this specific location for multiple years. In the fall, the fish migrate to the Gulf of Maine. While the majority of the fish seem to remain in the waters off the coast, some strayed quite far from their summer Maine homes. A few of the sturgeon from the Penobscot estuary were detected in waters as far away as the Bay of Fundy in Nova Scotia and the Hudson River in New York. The study identifies the Penobscot River estuary as a critically important place for Maine's subadult sturgeon population and the discovery of extensive migration patterns emphasize the need for future conservation and management strategies that can span regional subpopulations and international boundaries. The study's co-authors include Michael Kinnison, UMaine professor of evolutionary applications and Gail Wippelhauser, a research scientist at the Maine Department of Marine Resources. Contact: Walter Beckwith 207.581.3729

Drew Brooks: Microbiology, music double major on track for medical school

12 Oct 2017

Drew Brooks, a microbiology and music double major from Lyman, Maine, came to the University of Maine with a goal of becoming a medical doctor. As a sophomore, Brooks already has [been accepted](#) to Tufts University School of Medicine through the Maine Track Early Assurance program. Born of a partnership between Tufts and Maine Medical Center (MMC) in Portland, Maine Track Early Assurance reserves a limited number of seats per year for sophomores from University of Maine System institutions, as well as at Bates, Bowdoin and Colby colleges. The program, which was established in 2008 and accepted its first students in 2009, began with the hope that a significant number of its graduates will go on to practice medicine in Maine. Typically, the program accepts five to seven Maine students — this year, there were six. All three UMaine students who applied were accepted. They are guaranteed spots at TUSM after they graduate from UMaine in 2019, if they maintain a 3.5 GPA or higher. At UMaine, Brooks is researching fungal host-pathogen interaction under the guidance of microbiology professor Robert Wheeler. He has received a Frederick Radke Undergraduate Research Fellowship grant for his work with *Candida albicans* infections in zebrafish swim bladders. Beyond academics, he is a member of the Newman Center's Black Bear Catholic faith-based club, and has sung with several groups including University Singers, Black Bear Men's Chorus and Oratorio Society. "I had sung a little bit in high school, but had no professional vocal training," Brooks says. "I really wanted to develop my voice and understand better the inner workings of music. Music is a means of enrichment and culture, not only for me as a student and recipient, but also for those that my music inspires." **Why microbiology?** I chose to study microbiology because I am fascinated with the way life works at the microscopic level. In other words, what is happening in our cells, and in the components of those cells, that makes life possible? Questions like these and the passion to delve deeper into understanding life, health and disease inspired me to pursue a degree in microbiology. Furthermore, microbiology is a great pre-medical degree which has helped in my acceptance to Tufts University School of Medicine. The relationships that I formed with faculty and mentors in the Department of Molecular and Biomedical Sciences, as well as the School of Performing Arts, turned my acceptance at Tufts from possibility to reality. **Why UMaine?** I grew up in Maine, and I hope to come back to Maine after medical school. So it's no surprise that UMaine was an obvious choice. UMaine is a big campus but has that small campus feel to it. It feels like home. If you are passionate about music and desire to excel in the performing arts, the School of Performing Arts is the place to be. **Where on campus do you spend most of your time?** I spend the most time in Hitchner Hall, home of the Department of Molecular and Biomedical Sciences. Hitchner Hall is where I conduct my research involving mucosal candidiasis in zebrafish. When I am not taking classes or practicing music, you can probably find me in Hitchner Hall. **What difference has UMaine made in your life and in helping you reach your goals?** I think if it weren't for UMaine, I would not have been accepted to TUSM. The hard work the university, together with Maine Medical Center, has done to make medical education more attainable for students is commendable. I received tremendous support and advice from the UMaine Career Center. Without the preparation they provided me, my chances of being accepted to Tufts would have been tenuous at best. The University of Maine has been very generous to me and all its students. Being able to attend an in-state school made my education affordable and possible. If it weren't for the generosity of the university, I probably wouldn't be completing two fantastic degrees, let alone one. **Any advice for incoming college students who are considering two majors?** If you can handle a double degree, do it. I have found it to be a very enriching experience. But don't get in over your head. Twenty credits per semester can really wear on you after a while. Know yourself and what you are capable of, but don't put limits on yourself either. You are capable of a lot more than you might think. **What are your plans for after graduation?** I plan to work during the summer and then pursue an MD/MPH dual degree through TUSM Maine Track. Contact: Elyse Catalina, 207.581.3747

Leslie, Strong to present as part of changing ocean series in Harpswell

13 Oct 2017

Two University of Maine researchers will take part in "Our Changing Ocean," a series of public events in Harpswell. Harpswell Heritage Land Trust is sponsoring the talks with experts from UMaine and the Gulf of Maine Research Institute to discover and discuss answers and solutions to ocean changes, such as warming water, acidification and sea level rise. Aaron Strong, an assistant professor of marine policy at UMaine, will present "Ocean acidification: Will lobsters and clams disappear? What can we do to fight acidification of local waters?" from 5 to 6:30 p.m. Tuesday, Oct. 17. Heather Leslie, director of the Darling Marine Center and associate professor of marine sciences at UMaine, will discuss "Resilient coastal communities and marine ecosystems: Translating

science into action,” from 3 to 4 p.m. Saturday, Nov. 18. All presentations in the series will be held at Harpswell Heritage Land Trust, 153 Harpswell Neck Road. More information is on the Harpswell Heritage Land Trust website.

UMaine to conduct annual emergency communications system test Oct. 16

13 Oct 2017

The University of Maine will conduct its annual emergency communications system test on Monday, Oct. 16, 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.txt](#) 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. Registration for texts and/or email alerts may be done [online](#). If you have already registered, watch for the test message of the emergency notification system on Oct. 16, and then on the 15th of every month. If you do not receive a text or email test alert, please re-register your email address and/or cell number.

UMaine Extension among sponsors of Great Maine Apple Day, Free Press reports

13 Oct 2017

[The Free Press](#) reported the annual Great Maine Apple Day will take place from noon to 4 p.m. Oct. 15 (rain or shine) at the Maine Organic Farmers and Gardeners Association’s Common Ground Education Center in Unity. The event is sponsored by MOFGA, Fedco and University of Maine Cooperative Extension, according to the article. Featured presentations include “Organic Pest Management for the Home Orchard,” by Glen Koehler, an associate scientist with UMaine Extension, from 1:05 to 2 p.m., the article states.

Morning Sentinel cites UMaine study in report on community-building project

13 Oct 2017

The University of Maine was mentioned in a Morning Sentinel article about the Friends Advocating for Vassalboro’s Older Residents committee (FAVOR) working to put together a community build to help people insulate their windows. The group met with Laura Seaton, director of community builds for the nonprofit WindowDressers, to discuss the possibility of organizing an event that would make window inserts — which prevent drafts — available to residents, according to the article. UMaine studied the effectiveness of the nonprofit’s inserts and found that, depending on the home and quality of the window, they typically cut the energy bill by 20 percent, according to Seaton.

UMaine announces ‘Vision for Tomorrow’ \$200 million comprehensive campaign

13 Oct 2017

Today at the University of Maine Foundation Annual Luncheon, University of Maine President Susan J. Hunter and University of Maine Foundation President Jeffery N. Mills announced that UMaine and the Foundation have moved into the final, public phase of the Vision for Tomorrow comprehensive campaign, a \$200 million fundraising drive for UMaine. The campaign has been in its “quiet phase” for the past few years as it developed the effort’s base of support. As a result, funds raised so far now total over \$121 million. In addition, the first gift of the public phase was revealed — an anonymous \$1 million matching gift that will leverage \$4 million to \$5 million in scholarship and other endowment support for Maine students to attend UMaine. More details about the match will be announced at a later date. “Vision for Tomorrow is a bold fundraising campaign that will enable us to make an even greater difference in the lives of students, and to conduct our critical work statewide and beyond,” said President Hunter. “Throughout UMaine’s history, donors have demonstrated the importance of giving to a successful university to make it more successful. We look forward to partnering again in our Vision for Tomorrow.” Many significant initiatives have been created as a result of the initial \$121 million raised. Examples include: the Stephen E. King Chair in Literature, the Clement and Linda McGillicuddy Humanities Center, the Gerard S. Cassidy ’80 Capital Markets Training Laboratory, the Emera Astronomy Center, the Kenneth W. Saunders and Henry W. Saunders Professorship in Engineering Leadership and Management, the Savage Challenge Fund to support men’s ice hockey and the Edward Sturgis Grew Earth Sciences Endowment. In addition, annual giving success stories of the campaign include growth in the number of giving society members, and the launch of the Alford Fund for Athletics, the Maine Day of Giving, and the Employee Giving Campaign. “The success of the campaign celebrates UMaine’s past, while paving a way for the brightest possible future,” said Mills. “Central to the Vision for Tomorrow campaign are two major interests — immediate needs, and endowed support to benefit UMaine students and faculty. Nothing is more important than making sure students receive the most affordable, highest quality education we can provide.” The campaign has four major priority areas — Fostering Student Success, Ensuring Access for All of Maine, Catalyzing Maine’s Economy, and Accelerating Discovery to Impact. Each area will focus on student success, including scholarships. Other examples of investments include endowments to support faculty and student learning across all colleges, centralized campuswide initiatives to enhance student engagement, and support for major capital needs to update where learning takes place and how it is delivered, such as a new Engineering Education and Design Center. Campaigns mobilize and motivate alumni and friends in support of a university’s mission and values, Mills said. By reaching the goal of Vision for Tomorrow, UMaine will positively affect lives in Maine, provide broader access to higher education, enhance excellence, and contribute to the Maine economy and our state’s creative, athletic and scholarly achievements. “Given that UMaine just welcomed its largest class ever, and seeks to expand its reputation for research and community engagement, Vision for Tomorrow stands out as a timely, worthy initiative that will benefit not only Maine’s flagship university, but the entire state,” Mills said. The University of Maine Foundation will take the lead in managing the campaign. Honorary Co-Chairs for the Vision for Tomorrow campaign are Paul and Giselaïne Coulombe. Paul, a member of the UMaine class of 1975, earned a B.S. in business administration and went on to become a prominent business leader. He and Giselaïne are generous philanthropists. Additional information about giving opportunities and campaign updates can be found online at umaine.edu/visionfortomorrow. Contact: Monique Hashey, 207.581.5104

DMC director Heather Leslie shares vision for UMaine’s marine lab

16 Oct 2017

*Editor's note: Heather Leslie recently spoke with communications intern Aliya Uteuova about her first two years as director of the Darling Marine Center (DMC), the University of Maine marine laboratory in Walpole. Leslie talks about the DMC's first-ever strategic plan; promising collaborations with industry and community groups; projects to benefit Mainers, businesses and ocean ecosystems; and the future. AU: Why did you and do you want to be director of the University of Maine Darling Marine Center? HL: I want to connect people to the ocean through science, teaching and public engagement. Being able to do that through my work at the Darling Marine Center is a great honor and lots of fun. The DMC is one of about a dozen full-service marine labs of its size in the nation; it's an amazing asset for the state and the university. DMC scientists study a wide array of marine and environmental science topics, including aquaculture and marine fisheries, the ecology of critters ranging from microbes to marine mammals, environmental policy and ocean engineering. We host a year-round scientific community of more than 40 people and we're deeply connected with the region's education, fisheries and aquaculture, and community development organizations. My research focuses on human and environmental dimensions of small-scale fisheries. I'm beginning a project that brings together knowledge that's useful for community-level decision-making about marine resources in the midcoast and eastern Maine. The project is in response to questions and concerns that I've heard listening to fishermen and women and other coastal community members throughout the state. I cannot imagine a better place to be than the DMC, as a scientist and as someone who's passionate about doing what I can to make science more relevant and useful to people's daily lives. AU: Was it a big adjustment, moving back to Maine from Rhode Island? HL: The Darling Marine Center is a special place. Since we left Maine in 1998, I've been trying to figure out how to return. It was surprisingly easy for me and my husband — who both are fortunate to be at the Darling Center as UMaine faculty — and for our children. We've found Newcastle to be a very welcoming community and we love Great Salt Bay Community School. Our son asked over a year ago, "Why didn't we move sooner?" That pretty much sums it up. We all are very happy living in Maine. AU: What has been your biggest challenge so far? HL: Thanks to the generosity of many, most notably Ira C. Darling and George Willett, we have a UMaine campus of more than 180 acres in Walpole. Stewarding this property in a strategic and thoughtful way that honors those original gifts and ensures that we continue to develop as one of the nation's leading marine labs is an exciting challenge. When I arrived, we had a short list of acute infrastructure projects to tackle. Now that we've completed those, we'll begin [the first phase of a significant waterfront infrastructure project](#). It will include replacing our 50-year-old pier, upgrading the lab's flowing seawater system and renovating the center's oldest research space, the Flowing Seawater Laboratory. The waterfront project is the first of a series of major infrastructure investments we plan to make in the next decade, to enable the next generation of scientific discovery, education and industry and community partnerships at the DMC. AU: What are some major accomplishments in the last two years? HL: As director, I'm most proud of our recently released [strategic plan](#). This is a first for the Darling Marine Center and important as we chart our course for the next decade. To make the most of the center and the strong commitment to marine science and education at UMaine, we will need to focus on our future program and infrastructure investments. To learn more, I encourage people to visit the Darling Center's [website](#). Securing funding for Phase I of the waterfront investment was another major accomplishment. It definitely was a team effort, one that involved faculty, staff and university leaders in Walpole and Orono. Thanks to a combination of funds from UMaine, the U.S. Economic Development Administration and state marine bond funds, we have the resources we need to make much-needed investments in the waterfront that connects our researchers, students, and community and industry partners to the ocean. I'm also proud of the undergraduate research and engagement training program that I've developed in collaboration with colleagues at UMaine and the University of Maine at Machias (UMM). Brian Beal at UMM and I co-founded the [SEA \(Science for Economic Impact and Application\) Fellows Program](#) to encourage students to look beyond the ivory tower. We want to create more opportunities for students and faculty to respond to questions that community members and marine industry professionals are asking, and to practice communicating their findings and why they matter. The program is funded by a National Science Foundation award to [Maine EPSCoR](#) at UMaine, the UMS Research Reinvestment Fund, and in-kind support from the DMC and the [Downeast Institute](#), UMM's marine field station. AU: What are you looking forward to as you continue this job? HL: I'm excited to wrap up our strategic planning and to get to work on implementation. That will mean the design of new and renovated facilities, construction, program development and, of course, more conversations with our neighbors as programs and infrastructure develops. We want to ensure we're as well aligned with community interests as we can be and that we're contributing to the health of coastal communities and the marine economy throughout Maine and beyond. I'm also looking forward to continuing to tell the stories of the scientists and students who call the DMC home. The students are particularly inspiring to me — from the third-graders who grow oysters with us every year to the international exchange students who first experience American university life through [Semester by the Sea](#) at the Darling Center. Sharing these students' experiences is important. The science of the oceans is ultimately about people, the thrill of discovery, the challenges of failure and the promise and payoff of learning and sharing knowledge in ways that benefit our neighbors and the broader world. To tell those stories, we need to understand scientists as people. AU: What will the DMC be like in five and 10 years? HL: In five years, we will have a revitalized waterfront. That will mean that our capacity to connect people to the ocean for research, education and marine business incubation will be even stronger than it is today. In 10 years, we hopefully will have built a new Marine Science Education Center. This facility will catalyze the research, education and business development critical to Maine's coastal communities, as well as support K-12 programs, university and professional-level courses and citizen science. AU: Speaking of Maine's coastal communities, how will the DMC continue to benefit Maine people, communities, ocean ecosystems and the economy of the state? HL: I am optimistic about the future of Maine's marine economy and I'm committed to doing whatever I can as a leader at UMaine to help support our coastal communities and the many businesses in our state that depend on healthy ocean ecosystems. At the Darling Marine Center we have more than 50 years of experience working closely with shellfish farmers and commercial fishers. Our business incubation facility has hosted nine companies over the last decade, and enabled development of many new valued-added marine products — including new types and ways of growing shellfish, seaweed and finfish, specifically eels. I expect that commitment to research-industry partnerships to deepen in the coming decade. In particular, I see great potential for UMaine to be responsive to Maine's marine workforce development needs. For that reason, I co-founded the [Alliance for Maine's Marine Economy](#), a collaboration of more than 25 public and private institutions, including research institutions; commercial fishing and aquaculture interests; community-based organizations; and marine businesses. Our purpose is to ensure that Maine seafood, fishing and aquaculture industries, and the ecosystems on which they depend, are healthy and benefit Maine people. AU: Have you had opportunities to talk with community members about the Darling Marine Center? HL: Yes, I have. 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 and Ira Darling, in particular. I've had the opportunity to meet with boards of selectmen throughout the peninsula, and to present our vision for the future to local economic development groups, including at the Twin Villages Business Forum recently in Damariscotta. I'm looking forward to continuing these discussions; it's clear there are a number of ways that UMaine and DMC programs could be further developed to meet local interests and needs. Aliya Uteuova was the summer 2017 communications intern at the Darling Marine Center in Walpole, thanks to support from [Maine Sea Grant](#). She is a University of Maine senior studying journalism and political science and she's culture editor of the UMaine newspaper, the *Maine Campus*. Contact: Heather Leslie, 207.563.8299*

Faculty Senate PCRRC to hold open meeting on Maine Business School reorganization proposal

16 Oct 2017

The Faculty Senate Program Creation and Reorganization Review Committee (PCRRC) will hold an open meeting on the proposal for reorganization of the Maine Business School from 3-4:30 p.m. Oct. 25 in Soderberg Lecture Hall, 116 Jenness Hall. PCRRC Chair Clayton Wheeler, professor of chemical and biological engineering, will host and moderate the meeting, and the proposal's initiator, Provost Jeffrey Hecker, will present the proposal and participate in a

general Q&A. There also will be times scheduled for those interested in providing oral comments on the proposal. People wishing to provide oral comments must contact the PCRRRC chair prior to Oct. 24 to make arrangements. The text of the proposal is available [online](#). The meeting's time, date and location also are being announced on the PCRRRC website and in an email to UMaine faculty, and will be published on the university calendar. For questions or more information, email cwheeler@umche.maine.edu.

'Life on Planet Ocean,' the topic of School of Marine Sciences fall seminar

16 Oct 2017

The University of Maine's School of Marine Sciences will host a talk by Nancy Knowlton, the Sant Chair for Marine Science at the Smithsonian's Museum of Natural History on Oct. 20. Knowlton will present "Life on Planet Ocean — from DNA to #OceanOptimism at 11 a.m in 354 Aubert Hall. The talk will focus on the new technologies and methods marine scientists can use to understand the ocean in ways that were previously inconceivable and the role marine scientists play in maintaining and restoring ocean health, as well as the importance of public engagement by way of sharing positive examples of successes. Attendance via Polycom from Darling Marine Center, Gulf of Maine Research Institute and Bigelow Laboratories is available. For more information, contact Susan Brawley, brawley@maine.edu.

Republican Journal advances photo exhibits at Hutchinson Center

16 Oct 2017

[The Republican Journal](#) reported the opening of the Penobscot Marine Museum's photography exhibits at the Hutchinson Center. "The Allure of the Lighthouse: The Postcard View" and "A Way of Life: The Fishing Families of Stonington" will be on display at the H. Allen and Sally Fernald Art Gallery from Oct. 17 to Jan. 19. The free public exhibit showcases historical postcard photographs of lighthouses from the first half of the 1900s as well as the work of Jeff Dworsky, a Maine photojournalist, who documented the people of Maine's coastal fishing communities.

Koehler speaks with WGME about Maine's recent stink bug invasion

16 Oct 2017

[WGME](#) (Channel 13 in Portland) spoke with Glen Koehler, an associate scientist with the University of Maine Cooperative Extension, about the recent rise in sightings of the brown marmorated stink bug in people's homes. The stink bug is an invasive species which was introduced into North America in the 1990s and can now be found in 44 U.S. states. When it gets cold, the insect, which emits a foul smell when disturbed or squashed, commonly moves into people's houses via cracks around windows, air conditioning units and doors and can hide almost anywhere. The recent flurry of sightings in people's homes suggests that the stink bug population has become established in the state. While the pest can be a smelly nuisance in the home, they are not a danger to humans. Their gardens and farms, however, is another story. According to the story an explosion of brown marmorated stink bugs in the mid-Atlantic states in 2010 caused significant damage to the area's crops. According to Koehler, "people were shoveling them out of their houses then, too." "That's when they first blew up. We don't know what's going to happen here. The fact that they're getting established in Maine now doesn't mean that anything is going to happen next year, or in five years," said Koehler. "It's just one more thing to be aware of."

Red Algae genome research featured by DOE Office of Science

16 Oct 2017

The Department of Energy (DOE) [Office of Science](#) featured UMaine research on the genome of the red algae, *Porphyra umbilicalis*. The 50-member research team, led by UMaine professor of marine sciences Susan Brawley, sequenced the genome of the red alga to better understand how it harvests light and nutrients, and how warming oceans might impact its ability to fix carbon. *Porphyra umbilicalis* lives in the ocean's intertidal zone, a stressful environment characterized by pounding waves, intense sun exposure and constant wetting and drying from the tides. The researchers found a number of new adaptations the alga has developed to be able to thrive despite the harsh intertidal environment. The research was also featured on the DOE's [Newswise](#) site.

Media report on UMaine Cohen Lecture

16 Oct 2017

[Maine Public](#) and [Bangor Daily News](#) reported on the Cohen Lecture at the University of Maine, presented by the UMaine Cohen Institute for Leadership and Public Service. Former Secretary of Defense William S. Cohen spoke with media about the Trump presidency before giving his lecture titled "Assessing the First Year of an Unconventional Presidency." He was joined by Ambassador Marc Grossman, former under secretary of state for political affairs, and Andrew H. Card Jr., former chief of staff to President George W. Bush. Cohen, who was critical of the current president's unconventional actions and remarks directed at foreign and domestic leaders, said that Trump's presidency has "been outside the norm." According to Cohen, President Trump's use of Twitter, his public opposition to traditional news media and attempts to intimidate or taunt those who oppose his positions not only harms his presidency, but the nation as a whole. "What I want to see is a little more love," Cohen said. "And a sense of civility and respect for each other that I think has been absent for the first 10 months or so."

Buzzfeed speaks with Blackstone about harassment in National Park Service

16 Oct 2017

Amy Blackstone, a professor of sociology at the University of Maine, spoke with [Buzzfeed](#) for an article on sexual harassment and discrimination among employees of the National Park Service (NPS). According to the article, a recent federal survey of NPS workers revealed that 39 percent of the workforce has experienced harassment or discrimination on the job. Among those, nearly 75 percent said that they did not report the incidents, many citing that either they did not think that the complaints would make a difference or that they did not trust the process. The NPS employs 22,000 staff and 340,000 volunteers. Blackstone called the trend "especially striking." "Working to improve climate and putting structures into place that employees can trust should be top priorities," Blackstone said. According to the article, in response to the survey, the agency has committed to adding personnel to both the employee and labor

relations staff and the ethics staff, as well as to back support groups and training sessions. “Until employees are able to trust that their reports will be taken seriously — and to know that harassment will not be tolerated, the culture of harassment will likely continue,” Blackstone said.

12th annual UMaine Clinical Geriatrics Colloquium Oct. 20

17 Oct 2017

The challenges, perspectives and strategies related to the experience of death will be the focus of the 12th annual University of Maine Clinical Geriatrics Colloquium on Oct. 20 at the Wells Conference Center. “Emerging Perspectives on Death, Dying, and Bereavement” will take place from 8 a.m. to 4 p.m. Speakers, panels and workshops will explore the many challenges, perspectives and strategies for addressing the dying experience and its aftermath in a honest and positive fashion with the intent of maximizing the well-being of all the individuals it impacts. Attendees will have opportunities to learn, discuss and network with professionals, practitioners and students. The registration fee for the daylong event is \$60, with breakfast and lunch included. For more information, contact Kelley Morris, 262.7925, or register for the event [online](#).

Scholar to discuss religious legacy of Russian Revolution

17 Oct 2017

The University of Maine will hold a free, public lecture examining the religious legacy of the Russian Revolution on its 100th anniversary. Theofanis G. Stavrou, professor of history at the University of Minnesota, will deliver the lecture, “Revolution and Religion in Twentieth Century Russia,” at 3:30 p.m. Oct. 19 in Fogler Library’s University Club. Stavrou is a world-renowned scholar of Russian history, Eastern Europe and Greece. A frequent visitor to the former Soviet Union and the Russian Federation, he has extensively studied the fate of religion in its revolutionary and post-revolutionary context. Stavrou took an active part in cultural exchanges and rapprochement between the U.S. and the former Soviet Union. He has written or co-written more than 20 volumes on Russia, religion and European history. “The Russian Revolution changed the history of the world,” says Kyriacos Markides, UMaine professor of sociology. “We are still living under the shadows and echoes of that revolution. Professor Stavrou is a foremost scholar on Russian history, and in light of the current unfortunate polarization between Russia and the United States his talk is very timely.” For more information, or to request a disability accommodation, contact Laurie Cartier at laurie.cartier@maine.edu, 581.2380.

Engineering Job Fair Oct. 18

17 Oct 2017

More than 130 companies — the largest number ever — are expected to be represented at the University of Maine’s 2017 Engineering Job Fair from 10 a.m. to 3 p.m. Wednesday, Oct. 18 at the New Balance Student Recreation Center. Co-sponsored by the UMaine College of Engineering and Career Center, the 19th annual event 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. Students are advised to bring resumes, 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. 19 to interview students. More information, including a [list](#) of the companies scheduled to attend, is on the Career Center [website](#). This year, the company representatives on hand to recruit include 40 UMaine alumni. The event is underwritten by General Dynamics/Bath Iron Works and Tambrands Inc., a Procter & Gamble Company, with additional support from several industry sponsors. A complete list of sponsors is [online](#).

Morning Sentinel covers Great Maine Apple Day

17 Oct 2017

[Morning Sentinel](#) reported on Great Maine Apple Day held at the Common Ground Education Center in Unity. The event celebrates the history, flavor and tradition of Maine apples with hands-on kitchen workshops, speakers, apple treats including apple cheddar pizza, apple cake and apple hand pies, according to the article. Great Maine Apple Day was sponsored by the Maine Organic Farmers and Gardeners Association, Fedco, and the University of Maine Cooperative Extension, the article states.

Maine Public interviews Brewer about voter turnout predictions

17 Oct 2017

Mark Brewer, a political science professor at the University of Maine, spoke with [Maine Public](#) for the report, “Referenda will likely attract few voters.” Maine voters will head to the polls Nov. 7 to weigh in on four statewide ballot questions, including one that would allow a casino in York County, and another that would expand access to Medicaid. But with no candidates on the ballot, some observers believe the Medicaid question will drive voter turnout, [Maine Public](#) reported. “There will be some progressive groups who are already energized by opposition to President Trump and also to Gov. LePage,” Brewer said. “I think the Medicaid will drive turnout to the extent that we have turnout.” However, neither the Medicaid question nor the casino question are likely to spark much interest statewide, the report states. “Neither one of these raises to the level of the utilization of the recreational use of marijuana in terms of the kind of the attention it is going to get or how sexy the issue is, neither one of these even comes close,” Brewer said.

Isenhour quoted in Press Herald article on sleeping sustainably

17 Oct 2017

Cynthia Isenhour, an assistant professor of anthropology and climate change at the University of Maine and an associate at the Senator George J. Mitchell Center for Sustainability Solutions, spoke with the [Portland Press Herald](#) for the article, “If you’re sleeping for 8 hours, why not do it sustainably?” For many shoppers, the marketplace of green bedding — from mattresses to sheets and pillows — which exploded about a decade ago, can be daunting to sort through, especially for anyone on a budget, the article states. After wading through multiple websites, Isenhour found there’s a lot of greenwashing in the bedding retail sector, particularly in “the mattress in a box phenomenon” that’s developed since about 2010. It’s often not clear what a mattress is made of or how it

was made, which leaves it up to the consumer to prove that a product is safe, Isenhour said. “Do they not have the right to sleep safely?” Isenhour asked of people who don’t have the wherewithal or means to research these products. “It is just ridiculous that consumers should be expected to do so much work.”

LaBouff speaks with Press Herald about schools using Native American imagery

17 Oct 2017

The [Portland Press Herald](#) reported a mother of a Micmac Indian who plays football for Lisbon High School said Wells fans and players mocked Native Americans with offensive stereotypes throughout Friday’s game at Wells High School. Jordan LaBouff, an assistant professor of psychology and honors at the University of Maine, said even portrayals of Indians perceived as positive still can have a negative impact. According to LaBouff, several studies have shown that Native American students perform worse academically and imagine fewer future possibilities for themselves in schools that use Native American imagery. “I don’t think anyone in that community is explicitly trying to harm, but the fact is, they are, and the data demonstrates that,” LaBouff said.

BDN interviews Coffin about molting season for chickens

17 Oct 2017

Donna Coffin, a University of Maine Cooperative Extension educator and professor, spoke with the [Bangor Daily News](#) for an article about molting season for chickens. Molting, the natural shedding of old feathers and re-growth of new ones, is something every chicken experiences, and the process can leave birds with loose scraggly-looking feathers or bald patches, according to the article. “It’s a natural process that chickens have always had,” according to Coffin. “It’s a time they recognize a change in daylight, so whether the chicken is in Florida or in Maine, if there is shortening hours of daylight, they will go into molt. It has nothing to do with air temperature.” If a poultry keeper wants their chickens to keep their feathers, Coffin suggests using supplemental lights before the birds begin to molt. She said giving chickens 14 to 16 hours of light — natural or combined with an artificial source — per day is ideal. She recommends putting the light on a timer so it turns on automatically in the morning and shuts off once the sun is up. “Let night come naturally,” she said. “That way they can know it’s going to get darker and they can start to find their roosting spots and go about their evening business.” Chickens going through molt can slack off in egg production, but Coffin said it will pick up again once they are through the molting process.

Fried, Brewer speak to media about Sen. Collins’ decision not to run for governor

17 Oct 2017

University of Maine political scientists Amy Fried and Mark Brewer spoke with several media outlets about U.S. Sen. Susan Collins’ recent announcement that she will not run for governor of Maine. Collins, a moderate Republican who helped block her party’s efforts to repeal the Affordable Care Act this year, said she planned to remain in her current office, [Reuters](#) reported. “She is at the very center of virtually every big policy debate and big vote in the U.S. Senate,” Brewer told Reuters. “She remains an incredibly important player on any issue she wants to focus on.” If Collins decided to run for governor, she would have entered a campaign free-for-all with at least 18 others so far, according to [The New York Times](#). “She hasn’t had a competitive election for a very long time, and so there’s much more uncertainty for her now than in previous elections,” Fried told NYT, adding Collins would have faced stronger attacks “in a way she just hasn’t had from her own party.” Fried also was quoted an [NBC News](#) report, and Brewer also spoke with [WABI](#) (Channel 5).

UMaine Extension offering smoked chicken workshop for high school students

18 Oct 2017

High school students can learn how to safely prepare smoked chicken at the next University of Maine Cooperative Extension 4-H Science Saturday, 11 a.m.–3 p.m. Oct. 28 at UMaine’s J.F. Witter Teaching and Research Center in Old Town. Participants will learn how to safely prepare and cook whole chicken in a home smoker, and about food safety and nutrition. The workshop concludes with a smoked barbecue chicken lunch. The event is open to students in grades nine through 12. Maximum number of participants is 20; minimum is eight. The \$10 per person fee includes lunch. Register [online](#) by Oct. 20. For more information or to request a disability accommodation, contact Jessica Brainerd at 581.3877, 800.287.0274 (toll free in Maine); jessica.brainerd@maine.edu.

Aquaculture Educators Network hosts STEM workshop

18 Oct 2017

The Aquaculture Educators Network (AEN) invites teachers statewide to a free professional development workshop Monday, Oct. 23 at the University of Maine Hutchinson Center in Belfast. The event, co-hosted by AEN, is a collaboration between Maine EPSCoR, the University of Maine Aquaculture Research Institute, Island Institute, Herring Gut Learning Center, and Hurricane Island Center for Science and Leadership. Organizers have designed the workshop to cultivate a network of aquaculture educators and to develop tools and resources to support aquaculture education and workforce development. The workshop will feature interactive presentations and roundtable discussions, and provide STEM teachers with opportunities to learn and share with academic researchers and industry professionals. “Coastal communities in Maine have a strong cultural and economic connection to the sea,” says Anne Langston, AEN co-founder. “Sea farming has the potential to maintain these traditions, but for that to become a reality developing educational curricula and building a workforce is of paramount importance.” The Maine AEN seeks to provide tools to make that a reality. Lunch will be provided. For more information, and to register, visit the Aquaculture Educators Network [website](#).

Winter Session registration begins Oct. 23

18 Oct 2017

Registration for the third year of Winter Session at the University of Maine begins Oct. 23. The session, which runs Dec. 27, 2017 through Jan. 16, 2018, will feature 30 online courses, including a number of high-demand classes that fulfill general education requirements, as well as some 300- and 400-level options. Winter Session continues to grow and has become an integral part of UMaine and Think 30. Think 30 is a campuswide initiative that encourages students to take 30 credits per year to graduate in four years and reduce student loan debt. Year-round online courses, Summer University and Winter Session are opportunities to help students stay on track. Winter Session is an opportunity to complete a full three-credit course in three weeks. Last year, over 900

students completed a Winter Session course — a nearly 40 percent increase over 2015. For more information and a list of courses, visit the [Winter Session website](#).

LiBrizzi speaks with BDN about Washington County ghost stories

18 Oct 2017

Marcus LiBrizzi, an associate professor of English at the University of Maine at Machias, spoke with the [Bangor Daily News](#) for an article about Maine ghost stories. LiBrizzi, author of “Dark Woods, Chill Waters: Ghost Tales From Down East Maine,” has researched ghost stories from all over the world, but finds the ones from Washington County to be particularly creepy, according to the article. There are many of them, from the talkative ghost of Nelly Butler, a sea captain’s wife who died around 1800 in Machiasport, to the mysterious footprints following two women walking on a deserted beach near Roque Bluffs, the article states. “The ghost stories from Maine and from Washington County in particular really stand out to me, because of just how many there are,” LiBrizzi said.

First-year students take part in marine sciences boot camp, Free Press reports

18 Oct 2017

[The Free Press](#) reported the University of Maine recently held its fifth Boot Camp at UMaine in Orono and the Darling Marine Center in Walpole. The three-day orientation program is for first-year students in UMaine’s School of Marine Sciences, which offers undergraduate degrees with concentrations in marine biology, physical science and aquaculture, according to the article. Thirty students spent time in, on and under the water with UMaine faculty and staff who will be their instructors for the next four years, the article states. The session started in the pool at Orono with an introduction to scuba diving. At the DMC, students were introduced to the Damariscotta River estuary, shellfish aquaculture and fisheries science, and learned about summer internship opportunities and the Semester by the Sea program, [The Free Press](#) reported.

Jayasundara’s research featured in NIEHS Global Environmental Health Newsletter

18 Oct 2017

Research conducted by Nishad Jayasundara, an assistant professor of marine physiology at the University of Maine, was featured in the National Institute of Environmental Health Sciences (NIEHS) [Global Environmental Health Newsletter](#). Jayasundara has developed a project that integrates his expertise in environmental health research with capacity building to address issues related to environmental health in his native country of Sri Lanka, according to the article. By testing local water quality and using community-engaged research approaches, Jayasundara and his team hope not only to better understand the association between chemical mixtures and water quality to kidney disease in the population, but also to inspire the next generation of Sri Lankan scientists, the article states. “When we started this project, we approached it as an opportunity to teach local communities about current existing environmental health issues, and to learn more from them about the local practices and ecology,” Jayasundara said. “Although community members are highly aware of kidney disease, they have little understanding of how environmental contaminants in their water systems and other water quality issues can impact risk of the disease.”

BDN cites Bowen, UMaine Extension in article on safe home-canning methods

18 Oct 2017

The [Bangor Daily News](#) spoke with Laurie Bowen, a community education assistant with the University of Maine Cooperative Extension, for an article about safe home-canning methods. “There is a shelf life in home canning,” Bowen said. “If properly processed and preserved, food is good for a year [and] that is why we caution that it is easy to get carried away and find you have more canned than you can eat in a year.” The biggest worry with vegetables like string beans, carrots or peas is botulism, according to the article. But by using tried and true techniques of boiling water or pressure canning, proper storage and keeping track of shelf life, Bowen said home-canned foods are perfectly safe. “When in doubt, toss it out,” Bowen said. “Never, ever give it the taste test.” UMaine Extension has numerous online publications dealing with home food preservation and offers the Master Food Preserver Program, the article states.

Hecker, student discuss Flagship Match on WBUR in Boston

18 Oct 2017

Jeffrey Hecker, executive vice president for academic affairs and provost at the University of Maine, was interviewed by [90.9 WBUR-FM](#), Boston’s NPR news station, for a report about UMaine’s Flagship Match tuition scholarship program and out-of-state recruiting efforts. Under the match, UMaine discounts out-of-state tuition for students who meet certain academic standards — a “B” average and an above-average SAT score — down to what they would pay at their home state’s flagship campus, according to the report. There is now “quite a gap” between how much UMass and UMaine expect from each enrolled student — almost \$5,000 a year before financial aid, according to Hecker. The Flagship Match is an attempt to capitalize on that gap. If Maine can attract students from Massachusetts or Connecticut, they can make money while charging them no more than what their home state’s best university would, the report states. The program worked for Rachel Hyatt of Connecticut — now a first-year student at UMaine. “I did fall in love, and I wanted to be here. But [UMaine] being cheaper — it just made it so much easier to choose,” Hyatt said. Hecker said the out-of-state offensive is working. The complexion of UMaine’s student body has changed from 15 percent out-of-state undergraduates in 2009 to 30 percent this past year, [WBUR](#) reported.

WLBZ reports on pipeline program aimed to fill Maine’s engineer shortage

18 Oct 2017

[WLBZ](#) (Channel 2) reported on a pipeline program between the University of Maine and Thornton Academy high school in Saco. The program, which aims to fill Maine’s shortage of engineers, allows students to get an engineering degree in just three years, according to the report. “This is the only university in Maine where we have a pipeline where students can complete an entire year at high school,” said Dana Humphrey, dean of the College of Engineering. Humphrey said he hopes the program will continue to expand by creating more partnerships with schools across the state. “I want to see the College of

Engineering grow by at least 1,000 students so we can meet Maine's engineering workforce needs," Humphrey said. Benjamin Leary started his first year at UMaine as a sophomore majoring in chemical engineering, WLBZ reported. Leary and Caleb Bailey, both graduates of Thornton Academy, are the first two students to take advantage of the program, the report states. "It let me know 'Oh this is what I want to do.' It was perfect for me," Leary said of the program. [Mainebiz](#) also reported on the program, citing the WLBZ report.

Visiting Phi Beta Kappa scholar to discuss intertwined worlds of humans, microbes

18 Oct 2017

From the perspective of a typical bacterium or virus, the human body is a perfect incubator: constant temperature, filled with nutrients, bathed in moisture. So why are we still around? How do bacteria sense the presence of a host's immune response? How can both the bacterium and host survive? These topics will be the focus of a free, public University of Maine lecture, "Dancing with the Bugs: Choreography for Humans and their Microbial Partners," by Phi Beta Kappa visiting scholar Amy Cheng Vollmer at 7:30 p.m. Oct. 19 in Wells Conference Center, Room 1. Vollmer is the Isaac H. Clothier, Jr. Professor of Biology at Swarthmore, where she has helped create initiatives to promote adult science literacy and increase access to and success in STEM fields for a diverse student population. Her teaching, which incorporates active learning in large and small classes, includes microbiology, biotechnology, metabolism and introductory biology. Her research focuses on the regulation of the response of bacteria to environmental stress. She has written works on basic bacterial genetics and physiology and on applied and environmental microbiology. Serving in numerous leadership capacities as a member of the American Society for Microbiology, Vollmer was the 2006 recipient of the ASM's Carski Foundation Distinguished Undergraduate Teaching Award. She is past president of the Waksman Foundation for Microbiology. "We're very excited and fortunate to be able to host Dr. Vollmer," says Tim Cole, president of the Phi Beta Kappa Delta Chapter of Maine. "She is a distinguished scholar and educator, and students and faculty from a variety of disciplines at UMaine will be fortunate to interact with her." 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 the institution through the exchange of ideas between visiting scholars and resident faculty and students. In addition to the public lecture, Vollmer will visit classrooms, meet with students and faculty and give a guest lecture to first-year genomics students, "Living the Scientific Method." Vollmer's visit and lecture are co-sponsored by the College of Liberal Arts and Sciences, the Department of Molecular and Biomedical Sciences, the Honors College and the Phi Beta Kappa Delta Chapter of Maine. For more information, contact Cole at 581.3844. To request a disability accommodation, contact Tonya Corriveau, tonya.corriveau@maine.edu, 581.1954.

UMaine mineralogist elected as Foreign Honorary Member of Russian Mineralogical Society

19 Oct 2017

The Russian Mineralogical Society (RMS) elected Edward Grew, a University of Maine research professor, as a Foreign Honorary Member. The society, founded in 1817, is the oldest of the national mineralogical societies in the world and is highly selective in designating the prestigious honor. Only 18, including Grew, have been elected as Honorary Members from the United States since 1817. The election was held at the bicentennial meeting of the RMS in St. Petersburg, Russia on Oct. 10. Throughout its 200-year history, RMS has elected a total of 145 Foreign Honorary Members from around the world, including such prominent scientists as Johann Wolfgang von Goethe, Charles Lyell, Alexander von Humboldt and René-Just Haüy. [caption



The honorary medal from the RMS received by Grew. The front side reads "Mineralogy in all the space of this word," the society's motto, surrounding an image of quartz crystals. The reverse side reads "All-Union Mineralogical Society" and includes Grew's name. [caption] Grew was recognized for his contributions to the field of mineralogy, and his longstanding partnerships with Russian mineralogy and mineralogists have been highly appreciated by the society. He joins Peter Wyllie of the California Institute of Technology, Peter Burns of the University of Notre Dame and Robert Hazen of the Carnegie Institution for Science as the fourth current RMS Foreign Honorary Member in the U.S. Grew began learning to speak Russian while studying at Dartmouth College and later, while working on his Ph.D. at Harvard, lived with a Russian family and spoke the language in their home. Spanning the years of 1972 to 1974, Grew spent 16 months in Antarctica on a winter-over exchange based at the former Soviet research station Molodezhnaya. Totally immersed in the Russian language, he traveled widely throughout East Antarctica. "Because I had studied Russian, I was able to fully appreciate the experience offered by participation in the Soviet expedition to Antarctica that launched my scientific career," Grew says. Grew participated in several more Soviet Antarctic Expeditions — one to the Shackleton Range in 1976–1977 and another to the Northern Prince Charles Mountains in 1984–1985. Through former U.S.–U.S.S.R. Interacademy Exchange programs, he did fieldwork in the Aldan Shield of Siberia in 1987 and in the southwestern Pamir Mountains of Tajikistan in 1990. In 1995, several of Grew's Russian collaborators visited UMaine, which served as base for mineralogical field trips. "Knowledge of Russian opened up many career opportunities," Grew says. "My interest in foreign languages began at a young age. My father was head of the French Department at Phillips Academy Andover, and being able to converse in French was *de rigueur* in my family. My parents encouraged us to learn about other countries through their

languages.” In 2012, Russian mineralogists Evgeny Galuskin and Irina Galuskina named two newly discovered minerals after Grew, edgrewite and hydroxyledgrewite, which they found in the rocks of the Northern Caucasus in the Kabardino-Balkaria Republic in Russia. Over the past 45 years, Grew has published numerous papers with Russian co-authors and continues to work on mineral evolution research with his Russian colleagues. “I have always enjoyed wonderful support at the University of Maine for all my international geological expeditions and research. Election to Honorary Membership by the Russian Mineralogical Society was a lovely surprise and deeply touched me,” he says. “I am more grateful than I can say.” Foreign Honorary Membership in the RMS is the third major international award for Grew. In 2015 he was awarded the Collins Medal by the Mineralogical Society of Great Britain and Ireland, and in honor of his 70th birthday, the Mineralogical Association of Canada published a special issue of the journal *Canadian Mineralogist* with 12 papers by 63 authors representing many of his scientific colleagues from around the world.

Gill to speak at science conference in Kuwait celebrating female leadership

19 Oct 2017

Jacquelyn Gill is an invited speaker at the [10th International Conference on Women Leaders in Science, Technology, and Engineering](#) in Kuwait. At the Oct. 23–25 conference, female role models will be celebrated and success stories and strategies will be shared to inspire the next generation of women. Recognizing the value of a STEM education in virtually any sector — policymaking, academia, business and industry — also is a main objective. Gill, a paleoecologist and biogeographer with the Climate Change Institute and the School of Biology and Ecology, will participate in an Early Career Innovation session. She will address challenges and strategies that early-career women face in STEM. “I want to go beyond the usual diagnose-the-problems stage and talk about real solutions, and highlight success stories,” she says. Gill also looks forward to meeting and learning from women in Gulf Cooperation Council nations, who will be the focus of the conference. “The meeting theme is ‘Science empowers women,’ which is something I really believe in, but we also face challenges in recruiting and retaining women in STEM, especially underrepresented minority women, and also as we advance up the academic ladder,” she says. “Meetings like this one are important opportunities for us to learn from one another, to find out what works, where the gaps are, and how we can do better. I’m honored to be included as an inspirational speaker, and look forward to the opportunity to hear more about the experiences of STEM women in the Middle East.” The Early Career Innovation session also will include Emily Levesque, assistant professor of astronomy at the University of Washington; Noora Fetais, director of the KINDI Center for Computing Research at Qatar University; and Venice Gouda, emeritus research professor at the National Research Centre in Egypt. The conference is a collaboration of the Kuwait Foundation for the Advancement of Sciences, the American Association for the Advancement of Science and the U.S. Department of State.

Howard Segal to discuss transformation of UMaine on Oct. 23

19 Oct 2017

The transformation of the University of Maine from a traditional land grant school to the flagship campus of the University of Maine System is the subject of the annual Maine Heritage Lecture on Monday, Oct. 23. Howard Segal, professor of history, will speak on “Becoming Modern: The Transformation of the University of Maine, 1965–2015,” beginning at 4:30 p.m. with a reception in the McIntire Room of Buchanan Alumni House. The event is free and open to the public. Segal, who has taught at UMaine since 1986, specializes in the history of technology and science. He received a master’s degree and Ph.D. from Princeton University and has written several books, including “Technological Utopianism in American Culture” and “Future Imperfect: The Mixed Blessings of Technology in America.” Sponsored by the College of Liberal Arts and Sciences, the Maine Heritage Lecture showcases research and creative work about the state of Maine, with particular emphasis on Maine’s sense of place, history, diverse cultures, society and policy. For more information or to request a disability accommodation, call Tonya Corriveau, 581.1954.

UMaine Extension, Maine Harvest for Hunger mentioned in BDN article on gleaning

19 Oct 2017

The University of Maine Cooperative Extension was mentioned in the [Bangor Daily News](#) article, “Ancient practice of gleaning returns to Maine.” Gleaning, or gathering leftover crops from farm fields after the farmer has done his or her harvest, is becoming a piece that may help solve Maine’s food insecurity puzzle, the article states. During the first annual Maine Gleaning Week this October, gleaners rescued 18,000 pounds of produce that otherwise would have been wasted, the BDN reported. Gleaning as a practice started to more officially come back into style in Maine in 2001, when UMaine Extension launched Maine Harvest for Hunger. That program asked gardeners and farmers to donate their extra produce to people in need and took advantage of yearly gleaning opportunities, according to the BDN.

LePage mentions UMaine in talk about state’s biomass potential, Press Herald reports

19 Oct 2017

Gov. Paul LePage mentioned the University of Maine during remarks he made to open the third day of the Advanced Bioeconomy Leadership Conference in San Francisco, the [Portland Press Herald](#) reported. LePage pitched Maine as the perfect place for bioenergy executives to make investments. Maine has more than 17 million acres of forestland, and its economy has been hampered by the closure of five paper mills in three years. Since the closures, several initiatives have sprung up, including proposals to build bioenergy parks that can revive unused biomass power plants and support new, connected businesses, according to the article. During his talk, LePage noted that UMaine received \$3.3 million from the Defense Logistics Agency to help its research in converting wood fiber into jet fuel, the article states.

Undercurrent News cites Wahle in report on Maine lobster decline

19 Oct 2017

Rick Wahle, a research professor at the University of Maine Darling Marine Center, spoke with [Undercurrent News](#) for the report, “Maine lobsters still hard to find, but prices climbing back for harvesters.” Wahle said it’s not yet clear what’s behind the low harvest. He has been investigating whether climate change may be responsible, causing lobster settlements to spread out into warmer water now found deeper and farther out from shore, according to the article. Wahle launched his annual survey of lobster settlement areas in 1989, which the state has since taken over, sending divers to as many 80 sites every fall.

Using a new approach to expand the survey, researchers have recently confirmed lobsters are living as deep as 80 meters down, Wahle said. Juvenile lobsters are in low numbers and the deeper settlements are scattered and small — all findings that do not bode well for future harvests, the article states. “The jury is still out, except for the fact that we have been seeing a pretty consistent downturn in settlements,” Wahle said.

Dwyer discusses future of Maine’s potato industry on Maine Public’s ‘Maine Calling’

19 Oct 2017

James Dwyer, a crops specialist with the University of Maine Cooperative Extension, was a recent guest on Maine Public’s “Maine Calling” radio show. The topic of the show was the importance of the potato industry to Aroostook County and the entire state, with a focus on how new products and technologies can contribute to the future of the industry.

Barkan quoted in BDN article on decreased Maine crime rate

19 Oct 2017

Steven Barkan, a sociology professor at the University of Maine, was quoted in a [Bangor Daily News](#) article about recently released statistics that show crime in Maine decreased for the fifth straight year in 2016. According to the Maine Department of Public Safety, crime dropped 8.7 percent from 2015 to 2016, but drug use continues to fuel much of the state’s criminal behavior. Barkan, author of “Criminology: A Sociological Understanding,” said crime has dropped steadily throughout the nation since the 1990s but the reasons why are unclear. “Criminologists don’t really know why,” he said. “I tell my students not to leave Maine because they are safe here.”

Boston Globe speaks with Provost Hecker about Flagship Match

19 Oct 2017

[The Boston Globe](#) spoke with Jeffrey Hecker, executive vice president for academic affairs and provost at the University of Maine, for an article about UMaine’s Flagship Match tuition scholarship program and out-of-state recruiting efforts. UMaine officials launched an ambitious recruiting effort — including the use of strategic highway billboards — three years ago to draw students north to Orono, the article states. Under the Flagship Match program, UMaine offers scholarships that reduce the tuition for out-of-state students in targeted states to what they would pay if they attended their own state’s flagship public university instead, Boston Globe reported. Hecker said Flagship Match is the main reason the school saw record first-year enrollments in 2016 and 2017. Nearly half of this fall’s nearly 2,300 first-year students hail from out of state, with Massachusetts leading the way, according to the article. Hecker said the local reaction has been positive in part because of the help it provides employers.

WABI covers Engineering Job Fair

19 Oct 2017

[WABI](#) (Channel 5) reported on the University of Maine’s 2017 Engineering Job Fair at the New Balance Student Recreation Center. More than 130 companies were represented at the 19th annual event co-sponsored by the UMaine College of Engineering and Career Center. Crisanne Blackie, director of the Career Center, said the center helped students prepare for the event by helping them develop a 30-second pitch, determine what to wear, and learn how to act professionally. “In Maine there’s great demand for engineers and we want to make sure that we match our graduates to these opportunities,” said Dana Humphrey, dean of the College of Engineering. “It’s also great even for first-year students to come here and see what kind of jobs are out there for them when they graduate.” Several of the company representatives are UMaine alumni who attended the same job fair while students, WABI reported. [WVII](#) (Channel 7) also reported on the job fair.

'Defiant Requiem' film screening and concert by the Silver Duo, Oct. 29

19 Oct 2017

UMaine will host a screening of the award-winning Holocaust documentary “Defiant Requiem,” followed by a concert by the Silver Duo featuring music composed by concentration camp prisoners. The screening and concert will take place at 1 p.m., Oct. 29 in Minsky Recital Hall, and is free and open to the public. “Defiant Requiem” tells the story of acts of defiance and resistance against the Nazis by prisoners at Terezín concentration camp during World War II. Imprisoned conductor Rafael Schächter taught 150 prisoners to perform Verdi’s “Requiem,” to help them sustain hope and courage and to sing to the Nazis what they dared not say. Murry Sidlin, president and creative director of the Defiant Requiem Foundation, will be present to discuss the film. Sidlin’s multimedia concert, “Defiant Requiem: Verdi at Terezín,” inspired the making of the film. Following the screening, UMaine professors Noreen Silver, cello, and Phillip Silver, piano, will perform a selection of music composed in the Terezín. The film is a powerful and sensitive statement on the ability of human beings to find inspiration and dignity through music in the most inhuman of places, says Phillip. For the past four years, Phillip has been performing in an ensemble directed by Sidlin that focuses on the composers imprisoned in Terezín and the music they composed while there. “As the lurch into darkness infects more and more places in our world, this film gains in importance and relevance to remind and hopefully prevent a return to the truly terrible times in which the events portrayed occurred,” adds Phillip. This event is co-sponsored by the University of Maine Judaic Studies Program, congregations Beth Abraham, Beth El, and Beth Israel in Bangor, and by a grant from the Jewish Community Endowment Associates. For more information contact Phillip, 207.581.1783. To request a disability accommodation, contact Kerry Davis, 207.581.4703. Contact: Alan Berry, 581.1955

UMaine to present TV host Bill Green in conversation with NPR’s Brian Naylor

19 Oct 2017

Popular Maine television personality and UMaine alumnus, Bill Green, will be the featured guest of the inaugural Framing Maine conversation series at the University of Maine on Nov. 9. The 6:30 p.m. event, “Framing Maine: A Conversation with Bill Green,” will take place in Minsky Recital Hall, Class of 1944 Hall. Tickets are required for this free event and may be obtained [online](#), at the Collins Center box office, or by calling 581.1755. The event will begin with a talk by Green, titled, “Kids, Don’t Take My Advice: 45 Years of Braggin’ About Maine” — a play on his line, “Kids, don’t go braggin’ just ‘cause you’re

from Maine,” with which Green ends his popular show “Bill Green’s Maine” every Saturday evening. Following the talk, Green will be interviewed by NPR Washington correspondent and fellow UMaine alumnus, Brian Naylor. The conversation will focus on Green’s 45-year career as a television reporter in Maine, and his passion for the people, places and stories that inspire his work as a news reporter and show creator and host. “I’m thrilled to be doing this, because the University of Maine means so much to me,” Green says. Storytelling is an essential part of our society, adds Green, and he credits UMaine with guiding him into a successful career telling stories. “When you’re sitting in folklore class, you’re not exactly thinking, ‘This could lead to a great life.’ I have to chuckle because, for me, it did.” Green also will be honored at the event by the UMaine Alumni Association, which will present him with the Black Bear Award. “For several decades, Bill has been telling Maine’s stories with authenticity and passion,” says Kreg Ettenger, director of the Maine Folklife Center and coordinator of the Maine Studies Program at UMaine. “We are thrilled to have Bill Green as the inaugural speaker in our Framing Maine series. Bill represents what this series is all about: highlighting people whose life work has helped to create the popular image of Maine as a place to live, visit or dream about visiting,” Ettenger adds. “Framing Maine: Conversations with Storytellers and Imagemakers from the Pine Tree State” will highlight notable Mainers who tell the state’s stories through various media, including literature, art, music, print and digital media, and other forms. The next speaker in the series, scheduled for April 2018, will be singer-songwriter Dave Mallett, also a UMaine alumnus. A reception featuring Green and Naylor will precede the event at 5:30 p.m. in Miller’s Café in the Collins Center for the Arts. Tickets for the reception are \$50 and help support Maine Studies scholarships and programs. Tickets to the reception are limited and may be purchased until Nov. 3 [online](#), at the box office in the Collins Center for the Arts, or by calling 581.1755. Framing Maine is supported in part by a grant from the Cultural Affairs/Distinguished Lecture Series. Additional sponsors include the Maine Studies Program and Maine Folklife Center; Clement and Linda McGillicuddy Humanities Center; College of Liberal Arts and Sciences; and UMaine Alumni Association. Bangor Savings Bank is the corporate sponsor for the inaugural event. For more information, call Ettenger at 581.1840. To request a disability accommodation, contact Mary Heathcote at 581.4903. Contact: Alan Berry, 581.1955

Austin Steward: Bioengineering major aiming for pediatric career in Maine

19 Oct 2017

Austin Steward, a third-year bioengineering major at the University of Maine, was part of a select group who gained early access to the Tufts University School of Medicine through the Maine Track Early Assurance program. Born of a partnership between Tufts and Maine Medical Center in Portland, Maine Track Early Assurance reserves a limited number of seats per year for sophomores from University of Maine System institutions, as well as at Bates, Bowdoin and Colby colleges. All three UMaine students who applied this year were accepted. They are guaranteed spots at TUSM after they graduate from UMaine in 2019, if they maintain a 3.5 GPA or higher. “I chose bioengineering because it was the perfect melody of what I wanted for my career as well as what I enjoy scholastically,” Steward says. “My aspirations are to attend medical school and become a practicing pediatrician in the state of Maine.” The Maine Track Early Assurance program, which was established in 2008 and accepted its first students in 2009, began with the hope that a significant number of its graduates will go on to practice medicine in Maine. Steward, who is from Colebrook, New Hampshire, also is a student in the Honors College. “The Department of Chemical and Biological Engineering provided me with the team work ethic and problem-solving abilities that combined with my medical knowledge to make me a unique and qualified candidate,” he says of applying to TUSM. “The Honors College helped to fill out my education by providing humanitarian discussions that are important to be aware of in the medical field. Helping us to personally answer questions such as what it means to be human, what is self-fulfillment, and how our culture is shaped.” Steward is a Maine Space Grant Consortium award recipient for his research related to arsenic remediation from Maine drinking water, which he conducted in the lab of bioengineering professor Caitlin Howell. He also is a member of several groups on campus, including Alpha Tau Omega, America’s Leadership Development Fraternity; Sophomore Owls Society; and Biomedical Engineering Society. “UMaine is so much more than the place where I am getting my education; it’s my home and it’s the ‘college of my heart always,’” Steward says. “The community and atmosphere at UMaine is one of inclusivity and involvement. I had a professor once say, ‘Don’t let your classes get in the way of your education,’ and I really take that to heart. So much of what I’ve learned about myself, and the skills I have gained have come from outside of the classroom.” The full profile on Steward is on the College of Engineering [website](#). Contact: Vicky Wingo, 207.581.2204

UMaine Extension offers cybersecurity workshop

20 Oct 2017

University of Maine Cooperative Extension will offer a cybersecurity workshop 9–11 a.m. Oct. 25 at the Penobscot County office, 307 Maine Ave., Bangor. The free public workshop will provide participants an overview of the types of real-life risks and emerging threats small businesses and nonprofits face daily. Led by Bangor Savings Bank chief information security officer Russell Patton, the workshop will focus on how business owners and nonprofit managers can protect their data and their clients with easy-to-implement security recommendations. To register or request a disability accommodation, contact Wendy Robertson at 942.7396, wendy.robertson@maine.edu. Enrollment is limited to 50 participants.

Town hall meeting Oct. 25 to focus on research, graduate studies

20 Oct 2017

Members of the University of Maine campus community are invited to attend a town hall meeting on research and graduate studies from 3:30 to 5 p.m. Oct. 25 in Wells Conference Center, Room 2. Kody Varahramyan, vice president for research and dean of the Graduate School, along with members of his division, will provide an update on the current status of research and graduate studies at UMaine. Following the updates, a question-and-answer session will allow community members to provide feedback. For those unable to attend, a video of the presentation and an opportunity to provide feedback will be available after the meeting.

Turner Publishing advances UMaine Extension 4-H craft fair in Litchfield

20 Oct 2017

[Turner Publishing](#) reported the University of Maine Cooperative Extension 4-H in Kennebec County will hold a craft and vendor fair from 10 a.m. to 3 p.m. Saturday, Oct. 21 at Carrie Ricker Middle School in Litchfield. The fair is the largest annual fundraiser of the Kennebec County 4-H Leaders Association, which supports county 4-H youth programming and offers full and partial scholarships for national 4-H events, youth citizenship programs and camps, according to the article.

IMRC accepting applications for juried residency, VillageSoup reports

20 Oct 2017

[VillageSoup](#) reported the University of Maine's Innovative Media, Research and Commercialization (IMRC) Center is accepting applications until Nov. 9 for the winter/spring Researcher in Residence Program. IMRC residencies support the creative research, production and presentation of initiatives in new media, intermedia and other technology areas; and their social and cultural application. The residency supports a period of concentration and immersion in creative investigation, cutting-edge research or production of visionary, experimental applications and projects, according to the article. The application is [online](#).

Lancaster Farming article includes UMaine Extension tips for preparing oils

20 Oct 2017

[Lancaster Farming](#) published a "Well Preserved" news column that looked at flavored oils, which add interest to salads, marinades and sauces. The article included directions for preparing flavored oils at home from the University of Maine Cooperative Extension.

Johnson focus of Science Trends' 'My Science Life' feature

20 Oct 2017

Scott Johnson, a professor of tectonics and structural geology and director of the School of Earth and Climate Sciences at the University of Maine, is the focus of a [Science Trends](#) "My Science Life" feature. "I have a wide range of interests in the general fields of tectonics, structural geology and rheology," Johnson wrote. When asked what advice he would give to others pursuing a career in his field, he said "Find something in the Earth sciences that excites you and then dedicate your professional life to pursuing it. ... You never really know where you will end up in a career or in life, but if you find something that genuinely excites you, and you go after it with passion, chances are good that it will take you someplace rewarding."

Bustle cites UMaine study in article on sexual harassment

20 Oct 2017

A 2012 study conducted by sociologists at the University of Maine and University of Minnesota was cited in a [Bustle](#) article about sexual harassment in the workplace. The study found that women who break the glass ceiling of professional advancement also face increased incidence of sexual harassment from co-workers and subordinates, according to the article. As detailed by UMaine, "Traditional characterizations of workplace harassment typically portray male supervisors harassing female subordinates, but 'power-threat' theories suggest that women in authority may be more frequent targets." The study's researchers, including UMaine sociology professor Amy Blackstone, stated, "Sexual harassment can serve as an equalizer against women in power, motivated more by control and domination than by sexual desire."

BBC Radio interviews Lang about renowned historian

20 Oct 2017

Michael Lang, an associate professor of history at the University of Maine, was recently interviewed by [BBC Radio](#) for a report on the historian Arnold J. Toynbee and his experience of World War I and its aftermath.

Belding, AMC mentioned in EdTech article on high-tech manufacturing programs

20 Oct 2017

The Advanced Manufacturing Center at the University of Maine was included in the [EdTech: Focus on Higher Education](#) article, "High-tech manufacturing programs foster the next generation of workers." When North Berwick-based Hussey Seating, a manufacturer of stadium equipment, wanted to investigate new technology applications for a bleacher design, it turned to the AMC, according to the article. "They actually built a whole bleacher section here in our lab," said John Belding, AMC director. "We prototyped and tested various designs to assess feasibility. The student leading that project ended up going to work for them as a design engineer." Each year, 15 to 20 electrical and mechanical engineering students work at AMC under the supervision of a staff member, collecting a paycheck that's slightly better than minimum wage, the article states. "I always tell the students that they won't make a lot working here, but when they graduate and get their first job, they'll see a big difference in their starting salary," Belding said.

New York Times reports on Kelley's Maine shell midden research

20 Oct 2017

[The New York Times](#) published an article on a research project led by Alice Kelley, a geoarchaeologist at the University of Maine, that aims to assess and preserve Maine's shell middens. "We know that there are over 2,000 shell heaps on the coast of Maine," said Kelley, an associate research professor at UMaine's Climate Change Institute. "In virtually every case here in southern Maine, they are disappearing or they are gone." While many of New England's Native American artifacts have decomposed in acidic soils, those in middens are often well preserved, as the calcium carbonate in the shells creates more alkaline conditions, according to the article. The middens hold clues not only to ancient cultural practices, but also to historic environmental and climatic conditions, the article states. In an effort to more rapidly assess middens, Kelley has developed protocols to survey them using ground-penetrating radar with assistance from Jacque Miller, a graduate research assistant in the UMaine School of Earth and Climate Sciences. The radar not only shows the extent and thickness of the middens, but also reveals the detailed layering, including what may have been floors in historic settlements, [New York Times](#) reported. [YESWENATIVE](#) also wrote about the shell middens and the recent conference that Kelley organized at the Whaleback Shell Midden State Historic Site.

Undergraduate students spend summer at Schoodic in interdisciplinary ecosystems research

20 Oct 2017

Two University of Maine undergraduate researchers spent this past summer on the Schoodic Peninsula working on a project to understand the benefits an ecosystem provides to people. Aly East and Joe Cicero were members of the research team led by Kate Ruskin, a lecturer and undergraduate coordinator in the Ecology and Environmental Sciences Program at UMaine, and Aaron Strong, assistant professor in the School of Marine Sciences. The Schoodic Ecological Services Project focused on assessing the value of Schoodic District of Acadia National Park habitats to humans. It also included a comparison of the ecosystem services today and those prior to the establishment of Schoodic Woods Campground on the peninsula in 2015. https://youtu.be/3JOW5_GG9F4 [Read transcript](#) Also collaborating on the project are UMaine researcher Sandra de Urioste-Stone, and Nicholas Fisichelli from the Schoodic Institute, along with others from the National Parks Service and the University of Maine at Machias. “The key motivator for this study is to try to understand what the effects of new recreational development are in coastal Maine,” says Strong. The yearlong project, running from May 2017 to April 2018, will help people understand how ecosystem services work in relation to land management and other human-environment interactions, Strong says. It also examines the impacts of the campground on the local economy and opportunities for outdoor recreation, and considers the balance and trade-offs between increasing recreational value of the area and protecting habitats. In their work, East and Cicero surveyed birds and vegetation, as well as visitors to the park. “One of the big things that has come out of this summer for me has been learning that with research, it kind of takes an army to get a single result,” says East, a second-year environmental science and ecology major with a minor in climate sciences. “It was a very ‘real-world’ job — an amazing opportunity to have.” Cicero, a senior in zoology, had prior fieldwork experience. He says this project “further cemented [his] interest in research and natural sciences” while making a contribution to the future of the region. Ruskin predicts that the project will show an increase in the value of some ecosystem services, such as tourism, while others such as carbon storage will decline as trees were removed to accommodate further development. “I think that humans are affecting all aspects of the environment, and we’re reliant upon all aspects of the environment, and so we’re trying to look at the whole picture here,” says Ruskin, whose research focuses on biodiversity. The research by East and Cicero was funded by a grant from the University of Maine System Research Reinvestment Fund, enabling undergraduates to work with faculty on research benefitting businesses and industries critical to the Maine economy. The team is seeking additional funding to extend the project. “I think it’s a testament to the fact that the University of Maine values holistic and interdisciplinary work for students, and giving its undergraduate students research opportunities to go out there and do on-the-ground real work that’s important to the state of Maine,” Strong says. The project now has been integrated with a 200-level ecology and environmental sciences weekend field course. This fall, 20 students were led by the members of the Schoodic Ecosystem Services team. The data they collected also will contribute to the research project. Contact: Margaret Nagle, 207.581.3745

Transcript

Aaron Strong: The key motivator for this study is to try to understand what the effects of new recreational development are in coastal Maine. We know that tourism is important for coastal Maine. We have an excellent case study here. There’s been a new campground put in on the Schoodic Point section of the Acadia National Park. We set out to ask the question, “What has been the impact on ecosystem services?” Those are the benefits that ecosystems give to human beings, the value of natural habitats, the value of biodiversity, carbon storage — that kind of thing — but it’s also the value of tourism. **Kate Ruskin:** We’re hoping, with the way we’ve been collecting data, to be able to assess the value of ecosystem services now versus before the campground was put in. For some ecosystem services — those are the benefits provided to humans — we would expect that there would be an increase in value because of the campground, like recreation and tourism. This site is now more accessible to people. It’s generating more value for our tourism opportunities. By the same token, there are some other ecosystem services like carbon storage where we would expect there to be a loss of value for that service. What we’re doing is trying to figure out where that balance is shaking out now that the campground has been put in place. **Kate Ruskin:** The faculty where the co-PIs is on this grant, but the heavy lifting has all been done by two undergraduate technicians, Joe Cicero and Aly East. They’ve spent all summer down here at Schoodic, collecting a wide range of data that would intimidate most people. **Aly East:** We’re doing some research here about park visitation. Would you be willing to fill out a quick survey about your trip here? **Man:** Sure. **Aly East:** Awesome. Joe headed out to the birds. Most days, he would start off by doing that, and then we would rendezvous later on. Some days we were giving out surveys at a couple of different locations to visitors to gauge where they were coming from. Some days we were doing vegetation surveys to look at biodiversity. We started interviewing local stakeholders to get the more economic side of it as well. **Joe Cicero:** It’s the first year of the project, so there’s a lot of learning curve involved for everybody. I think we did a very good job of figuring out as we go and adapting with the project. Aaron: We have economics. We have qualitative social science, like sociology and anthropology. We have ecology. We have forestry, all coming together in our coastal environment right here. That’s an incredible amount of work for anybody to do. The fact that we’ve been able to give the opportunity to our students to be down here on Schoodic Point all summer and learn all those different methods and data collection methods is really unique and special. I think it’s a testament to the fact that the University of Maine values holistic and interdisciplinary work for its students, and giving its undergraduate students research opportunities to go out there and do on-the-ground, real work that important to the state of Maine. **Aly East:** One of the big things that has come out of this summer for me has been learning that with research it takes an army to get a single result. Where we’re bringing together so much between the economics, tourism, biodiversity and birds, no one can be an expert in all of that. You have to outsource to get things done. You need a wealth of information. You need to be able to rely on other people and surround yourself with a good team. **Joe Cicero:** This research definitely is very useful for the community up there in Schoodic, but also, it can be applied to other places where development in new campgrounds are being in place. You can really look at how things can change and how they can benefit the ecosystem and the tourism in the area. **Aaron Strong:** People, when they’re faced with, “How do we manage lands? How do we make decisions that optimize the value?” they want to incorporate ecological values, but they know the economic values are important. In many cases, there are win-wins. It’s not a simple job versus the environment question. **Kate Ruskin:** We’re hoping to provide information to help them to strategically develop the infrastructure to both maximize benefit for the local economy and local residents, but also make the most out of this ecosystem, while maintaining biodiversity in all the other services that ecosystems provide to humans. [Back to post](#)

Kelley, Loring to discuss connections between art, environment in Portland

23 Oct 2017

University of Maine marine geologist Joseph Kelley and 2017 honorary doctorate recipient Donna Loring will take part in a discussion that explores connections between art, environmental concerns and people’s relationship to the natural world at 5:30 p.m. Thursday, Oct. 26 in Osher Auditorium at Maine College of Art. Kelley will discuss his research about Maine’s coastal ecosystems as sea levels change during the conversation titled “Elemental Intersections: Conversations on Art & Environment, Part III: Earth.” Loring — founder and president of Seven Eagles Media Productions, author, Vietnam veteran and former Penobscot Nation representative to the Maine Legislature — will talk about Maine Native People’s relationship with the land and sea. They will join artist Wayne Higby in the conversation. Higby will describe how the state’s shoreline inspired some of his early “Landscape Bowls.” In Higby’s vessels, as well as his many-story-tall installations, he meditates on connections and collisions of “earth, sky, time, light and space.” Julie Burstein, creator of public

radio's "Studio 360," will facilitate the discussion. The Watershed Center for the Ceramic Arts' Environmental Intersections series has been organized in partnership with the University of Maine Cooperative Extension and Sea Grant program. All talks are at fully accessible venues and sign language interpretation will be available. The Maine College of Art is at 522 Congress St. in Portland. Funding for the series has been provided, in part, by a grant from the National Endowment for the Arts. For more information, visit the Watershed Center for the Ceramic Arts [website](#) or call 882.6075.

Comins to give University Club presentation about the moon Oct. 26

23 Oct 2017

Neil Comins, professor of physics and astronomy at the University of Maine, will give a talk about the moon at the University Club in Fogler Library at 3:30 p.m. Thursday, Oct. 26. The presentation, titled "What if the Moon Didn't Exist?," will focus on the possibility of a world without the moon and how it would affect life on Earth, as well as tides and characteristics of the planet itself. The talk is free for University Club members and guests. Light refreshments will be served. For more information, contact Jennifer Chiarell at jennifer.a.chiarell@maine.edu or 581.1655.

Mount Desert Islander advances public energy meeting at UMaine

23 Oct 2017

[Mount Desert Islander](#) reported the Governor's Energy Office is asking Maine residents for their input as it develops an Energy Planning Roadmap to advance the state's energy, economic development and environmental goals. A public meeting is set for the Senator George J. Mitchell Center for Sustainability Solutions at the University of Maine from 10 a.m. to noon Oct. 27. The roadmap, which builds on the 2015 state comprehensive energy plan update, has the following objectives: achieve energy and cost savings in the residential, commercial, industrial and transportation sectors; reduce pollution and greenhouse gas emissions; and support the growth of a robust state and regional energy market and workforce, according to the article.

Blackstone quoted in Sun Journal article on #MeToo campaign

23 Oct 2017

Amy Blackstone, a professor of sociology at the University of Maine, and her research were cited in a [Sun Journal](#) article about the recent #MeToo campaign. The latest campaign started with actress Alyssa Milano, who told The Associated Press she wanted to convey the scope of how often sexual harassment and assault happens and let people know they aren't alone, according to the article. Blackstone said she and colleagues have found that up to 70 percent of women have experienced a hostile work environment with sexual joking, invasion of personal space and unwanted touching. Fifty-eight percent of men said the same. "I can't recall a time in my lifetime when I've seen this many women speaking up this publicly about their experiences," Blackstone said of the campaign.

Kersbergen matches dairy apprentices with farm in need of help, BDN reports

23 Oct 2017

Rick Kersbergen, a sustainable dairy and forage systems expert with the University of Maine Cooperative Extension, was mentioned in the [Bangor Daily News](#) article, "Community rallies for Maine farmer after he gets a concussion from his cow." After New Vineyard dairy farmer Randall Bates was injured, his wife, Jill Bates, was left to operate Springside Farm on her own, according to the article. After hearing of Randall's accident, Kersbergen, who also is the education coordinator for the Dairy Grazing Apprenticeship program at Wolfe's Neck Center for Agriculture and the Environment in Freeport, had an idea how to help. He knew there were five apprentices from around the country currently working on the two-year training program in Freeport and thought that one of them would be more than willing to lend a hand, the article states. While Randall was recovering, two apprentices spent nearly a month at Springside Farm, the article states. "I got to hand it to those two guys that came," Randall said. "They were complete strangers. They came and they fit right in. They just really did a great job. It was comforting to have them step in and do what they did for us, so I didn't have to worry about it." [Lancaster Farming](#) also mentioned Kersbergen and the Bates family in an article on the Dairy Grazing Apprenticeship program.

Distinguished Maine Policy Fellow Sen. Michael Thibodeau to visit UMaine

24 Oct 2017

Margaret Chase Smith Distinguished Maine Policy Fellow Sen. Michael Thibodeau will visit the University of Maine on Nov. 2. Thibodeau will be honored with a reception from 4–5:30 p.m. at the University Club in Fogler Library. All are welcome to attend the event, no RSVP is required. In 2016, Thibodeau was re-elected to serve as the 116th president of the Maine State Senate. It is the first time since 1980 that a Republican has been elected Maine State Senate president for consecutive terms. Thibodeau represents Senate District 11, which includes all of Waldo County. He also recently announced he will run for Maine governor in 2018. Margaret Chase Smith Distinguished Maine Policy Fellows are prominent individuals with a past or current career as a policymaker in the state. The Margaret Chase Smith Policy Center brings its fellows to campus for a day to teach an undergraduate class, engage faculty about research and public policy, and meet with UMaine administration and graduate students. Thibodeau's visit is co-sponsored by the Margaret Chase Smith Policy Center and the Office of Innovation and Economic Development.

VEMI Lab to host Halloween open house

24 Oct 2017

Editor's note: Due to the Oct. 31 power outage, this event has been rescheduled for 4:30 to 7 p.m. Nov. 7. The Virtual Environment and Multimodal Interaction (VEMI) Laboratory at the University of Maine will host a Halloween-themed open house from 4:30 to 7 p.m. Oct. 31. The lab, located in Carnegie Hall, is part of the spatial informatics program in the School of Computing and Information Science and houses Maine's only research facility that combines a fully immersive virtual reality installation with augmented reality technologies in an integrated research and development environment. Students, faculty, staff, friends and family are invited to explore Halloween-related virtual reality demonstrations, as well as new simulations from recent research. Light refreshments will be available. Costumes are not required, but are encouraged. For more information or to request a disability accommodation, email Richard Corey, richard.r.corey@maine.edu.

BDN publishes op-ed by Butler

24 Oct 2017

The [Bangor Daily News](#) published the opinion piece, “There’s a growing gap between Republicans and Democrats on helping needy,” by Sandra Butler, a professor of social work at the University of Maine. 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.

WABI reports on construction engineering students’ Habitat for Humanity work

24 Oct 2017

[WABI](#) (Channel 5) reported on the renovation of an Old Town home that will be donated to a family through the Habitat for Humanity program. Among the volunteers on the project are 21 construction engineering technology students at the University of Maine, WABI reported. Will Manion, an associate professor of construction engineering technology at UMaine, estimates the students will spend close to 1,000 hours volunteering on the project by the end of the semester. “We actually get to make an impact for someone in the community that needs something, and we can actually do it and learn at the same time,” said River Robertson, one of the student volunteers.

UMaine, Bonny Eagle Middle School collaboration helps students connect to outdoors

24 Oct 2017

The scene might be intimidating to some people: A group of middle school boys literally climbing the walls where you work. Not for Colleen Hoffman at the Maine Bound Adventure Center on the University of Maine campus. Hoffman, who has worked at Maine Bound for two years, typically helps other college students or university faculty and staff with outdoor equipment rentals — everything from skis and snowshoes to stand-up paddleboard and canoe gear. But on this day she’s belaying for nine 7th and 8th grade boys ranging in age from 12 to 14 as they use the center’s climbing wall. Hoffman, a junior at UMaine, dreams of one day doing physical therapy with young people in wilderness settings. “The goal is physical therapy combined with outdoor education,” she says. “Skiing, rock climbing, working with adaptive technology. Just trying to get people outdoors as much as possible.” Hoffman says her courses at UMaine have prepared her for this kind of work. She has taken the Introduction to Physical Education and Maine Wilderness Guides classes as part of her major in kinesiology and exercise science with an outdoor education focus. She also has her Wilderness First Aid certification and is working toward certification as a Wilderness First Responder. “Outdoor activity is so important for good physical and mental health,” she says, “And it’s very important to start at a young age.” The middle school boys Hoffman is working with on this day are part of Pathfinders, an after-school outdoor program at Bonny Eagle Middle School in Buxton, Maine. They visited UMaine as part of a weeklong trip that included camping and fishing at the Maine Youth Fish and Game facility in Milford and a day at Acadia National Park. Jesse Kaye-Schiess, a lecturer in kinesiology and physical education with the College of Education and Human Development, is a former Pathfinders volunteer. Through his association with the program, Pathfinders students first visited UMaine two years ago. During this visit, Kaye-Schiess had about 10 kinesiology and physical education majors, like Hoffman, work with the kids. “They were able to come out to Maine Youth Fish and Game and work with these students doing canoeing, kayaking, fishing and firearms safety,” he says. The hours the UMaine students spent working with Pathfinders will count toward their practicum, hours they are required to spend in a hands-on instructional setting in order to earn their teaching degree. “This is just one way that our students are able to get field experience,” says Kaye-Schiess, who has hired other outdoor education students to work at the Maine Youth Fish and Game summer camp, where he is a coordinator. “We teach them to challenge kids mentally and physically, and get them out of their comfort zones,” he says. The Pathfinders program — now in its 31st year — primarily offers shorter, after-school activities and daytrips for Bonny Eagle students. The weeklong trips are split into boys, girls and coed groups, with each group doing one extended trip per trimester, says trip leader and 7th grade language arts teacher Justin Pease. “It’s one of the things that really makes Bonny Eagle unique as a middle school,” says Pease. The students are required to keep up their grades and make up any coursework they miss when they’re on the trips, Pease says. In today’s world of video games and handheld electronic devices, he says outdoor education is more important than ever. “Some of these kids need to get away from their screen time,” he says. “For others it’s kind of a carrot: If you do well in school, you get to go on this fun camping trip.” Beyond that, Pease says the collaboration between Pathfinders and UMaine provides the middle school students with opportunities to learn and grow in ways that will have a lasting impact. “For a lot of these kids, this is their first time on a college campus,” he says. “It’s so important for them to get that experience, and see what a great community this is.” Contact: Casey Kelly, 207.581.3751

Seven UMS students named 2017–18 Maine Policy Scholars

25 Oct 2017

One student from each of the University of Maine System campuses has been chosen to conduct research on a topic of public policy importance as part of the Maine Policy Scholars program. The scholars are Corey Clafin of UMaine, Allison Bernier of University of Maine at Farmington, Sam Atwood of University of Maine at Augusta, Alex Gillis of University of Maine at Fort Kent, Erik Squire of University of Southern Maine, Liz Whittaker of University of Maine at Machias, and Valentina Annunziata of University of Maine at Presque Isle. Their chosen research areas cover an array of topics: art education standards in Maine public high schools; food insecurity among college students; factors in life expectancy for mentally ill people; regeneration species for forest clearcutting; barriers to Maine students’ achievement rates in literacy; recycling in rural Maine; and inmates’ access to mental health services within Maine’s prisons and jails. Scholarships are awarded annually to one student from each of the seven UMS campuses to work with a faculty adviser and community mentor to tackle a real-life policy issue facing Maine. Topics may range from local to statewide in significance and are expected to be well-defined, subject to research, and of current concern to Maine or a segment of its people. The scholars conduct extensive research from literature, data analysis, and interviews — or all three. In the spring, each student produces a final report as a memo to the governor or appropriate policymaker that outlines the problem, available data and recommended policy solutions. The Maine Policy Scholars program was started by the late Peter Cox to engage students from the University of Maine System in the public policy process. The program is funded by the Maine Community Foundation and administered by the Margaret Chase Smith Policy Center at the University of Maine.

Morning Ag Clips advances Maine Cattlemen’s College

25 Oct 2017

[Morning Ag Clips](#) ran a University of Maine media release about the inaugural Maine Cattlemen's College on Nov. 17–18 at Wells Conference Center on campus. University of Maine Cooperative Extension, Maine Beef Producers Association and the Maine Department of Agriculture, Conservation and Forestry are sponsoring the event for current and prospective Maine beef cattle producers. People can register online.

Kirby discusses ladybugs with BDN

25 Oct 2017

Clay Kirby, University of Maine Cooperative Extension insect diagnostician, gave tips to the [Bangor Daily News](#) for homeowners who want to keep Asian lady beetles (ladybugs) out of their homes. Kirby recommended sealing any of the house's cracks or holes. And if ladybugs do get inside, he advised scooping them up in a dustpan and releasing them outside; ladybugs are predators of aphids that destroy plants, including roses and fruit trees. He says the ladybugs don't reproduce inside over the winter. In the spring, he says they'll awaken and look to get back outside.

Crawley blogs for London School of Economics and Political Science

25 Oct 2017

Andrew Crawley, an assistant professor in the University of Maine School of Economics, wrote "Regional development: Forget the Silicon Valley approach and play to local strengths" for the British Politics and Policy blog run by the [London School of Economics and Political Science](#). He recommended that policymakers designing industrial development strategies consider location-specific characteristics of employment, interconnectedness and comparative advantage when identifying the best sectors (agriculture, mining, natural resource industries; manufacturing, engineering, construction; service industries; decision-makers) to foster.

Forecaster covers Strong's talk about ocean acidification

25 Oct 2017

[The Forecaster](#) reported on Aaron Strong's talk — "Ocean Acidification: Will lobsters and clams disappear?" — for the Harpswell Heritage Land Trust. Strong, an assistant professor of marine policy, told attendees the Gulf of Maine is warming and becoming more acidic, both of which have repercussions. He said local communities can help protect water quality with septic and wastewater management, according to the article. Strong also talked about the promise of kelp farms — their underwater photosynthesis can reverse effects of greenhouse emissions.

Crandall adds expertise to Maine Public story about manufactured wood products

25 Oct 2017

Mindy Crandall, assistant professor of forest management and economics at the University of Maine, was cited in a Maine Public article about the growing demand for manufactured wood products. While Maine has lost more 2,400 papermaking jobs over the last six years, Crandall said businesses in Maine can do well by focusing on Lincoln Logs, baseball bats, kitchen utensils and other high-quality items that require skill to make. Changes in the Chinese economy also are affecting the demand here, says Crandall. "As China progresses and has higher incomes, their labor costs are also rising, so when we can compete on things like quality, that's where we can start having some of that manufacturing moving back over to the U.S.," she says. "We tend to forget about secondary wood manufacturing and its role in the state, but there are an amazing amount of these small companies that are adding a lot of value to a primary product."

Goody finds flu ravages muscles of zebrafish with muscular dystrophy

26 Oct 2017

This time of year, doctors often recommend flu shots for people who are young, old, pregnant or immunocompromised. Michelle Goody suggests adding people with muscular dystrophy to the list. After the University of Maine research assistant professor injected the flu virus into the bloodstream of zebrafish with Duchenne muscular dystrophy (DMD), damage to their muscles was greatly exacerbated. DMD is the most common type of muscular dystrophy and is characterized by progressive muscle degeneration and weakness. The genetic disease is caused by the absence of dystrophin, a protein that helps muscle cells remain intact. People with DMD — almost all males — have difficulty standing up and walking, and may have heart and lung problems. Goody first injected human Influenza A virus (IAV) into the bloodstream of 2-day-old healthy zebrafish. Within 24 hours, they exhibited symptoms of an influenza infection — their hearts were swollen, their mobility was reduced and they were shaking. The data, says Goody, indicate IAV can enter and infect live zebrafish muscle cells, and that "muscle degeneration, pain, and weakness may be, at least in part, due to direct infection of muscle cells by IAV." Muscle complications with viral infections also could be due to collateral damage by an activated immune system, she says. Goody, the first person to discover that the flu virus can enter and infect muscle cells in a live animal, then injected the same dose of the flu virus into the bloodstream of zebrafish with muscular dystrophy. These zebrafish soon displayed severe muscle damage. This suggests "that muscle damage caused by Dystrophin-deficiency and IAV infection is synergistic," wrote Goody, who earned her Ph.D. in biomedical science at UMaine. This indicates that getting a flu vaccine is key for people with muscular dystrophy, says Goody. The Orono High School graduate conducted the research in the UMaine labs of Carol Kim, professor of microbiology and associate vice chancellor for academic innovation and partnerships at the University of Maine System; and Clarissa Henry, her adviser and associate professor of biological sciences. Goody enjoys learning about cell and organ development. She says zebrafish are valuable for studying human genetics and disease. In addition to being nearly transparent in the larval stage, they have a similar genetic structure to people. And, as a vertebrate, they have the same major organs and tissues as humans. The zebrafish genome has been fully sequenced, which allows researchers to create mutations — including those causing muscular dystrophy — to study. Kim and Henry and former microbiology graduate student Denise Jurczyszak also took part in the research, which was funded by the National Institutes of Health and the March of Dimes. The team's results are in the paper "[Influenza A Virus Infection Damages Zebrafish Skeletal Muscle and Exacerbates Disease in Zebrafish Modeling Duchenne Muscular Dystrophy](#)" published online in PLOS Currents: Muscular Dystrophy. PLOS seeks to minimize delay between the generation and publication of new peer-reviewed, citable, publicly archived research, in order to accelerate the research cycle. Contact: Beth Staples, 207.581.3337

Photography exhibit at UMM Art Gallery through Dec. 8

26 Oct 2017



[caption id="attachment_57830" align="alignright" width="400"]

God Bless Our

Home[/caption] Works of Lubec-based photographer Lisa Tyson Ennis are featured in a new exhibit, “What Once Was,” on display in the University of Maine at Machias Art Gallery through Dec. 8. Responding to dramatic changes occurring in the fisheries of New England and Atlantic Canada, Tyson Ennis focused her large-format cameras on Newfoundland’s haunting symbols of another time — herring weirs, smokehouses and remote fishing outposts. Working with the ethereal 19th-century photographic processes of tintype and collodion glass negatives, as well as traditional silver printing in a wet darkroom, Tyson Ennis creates images that suggest a certain timelessness, and a unison of light and landscape that is both representational and symbolic. Tyson Ennis’ work is in the collections of the Museum of Fine Arts, Houston; Tides Institute & Museum of Art; Delaware Art Museum; and Portland Museum of Art, as well as many public and private collections, and has been included in more than 75 solo and group exhibitions. Gallery hours are noon to 5 p.m., Monday through Friday.

November CCA shows to include The King’s Singers, a new take on a cappella

26 Oct 2017

The Collins Center for the Arts at the University of Maine is offering a variety of performances throughout the 2017–18 season. November events will include two a cappella groups, one British and one with a more international character. The King’s Singers, a British a cappella ensemble, will perform at 7 p.m. Sunday, Nov. 5. Winner of an Emmy and two Grammys, the group is celebrating its 50th anniversary. Beatboxing and a cappella come together in “Gobsmacked!” which will be performed at 7 p.m. Thursday, Nov. 16. Originating in the U.K., “Gobsmacked!” includes world champion beatboxer Ball-Zee and various international vocalists, and explores different types of vocal art ranging from more traditional a cappella to modern live track looping. For more details, a complete season schedule, and to purchase tickets, visit the CCA [website](#).

Kaye quoted in Health Journal article on STDs among older adults

26 Oct 2017

[The Health Journal](#) quoted Len Kaye, director of the University of Maine Center on Aging, in an article about sexually transmitted diseases among older adults. Over the last decade, the number of older adults affected by STDs has increased, the article states. Rates have doubled among 50- to 90-year-olds, according to the Centers for Disease Control and Prevention (CDC). Experts say older adults need to realize they are at the same risk as younger adults for developing STDs, the article states. There are increasingly more romantic encounters happening at assisted living communities, Kaye said, comparing them to college campuses.

UMaine lobster study cited in BDN article on Sen. Collins, climate change

26 Oct 2017

Research from the University of Maine was cited in the [Bangor Daily News](#) article, “Susan Collins: Ignoring climate change is ‘simply not a solution.’” The Gulf of Maine is warming faster than 99 percent of the world’s bodies of saltwater, and that warming trend could mean smaller catches as lobsters move into deeper and colder waters, according to the article. A recent study by UMaine’s Darling Marine Center and Bigelow Laboratory for Ocean Sciences found that baby lobsters may not be able to survive if temperatures in the Gulf rise by an expected 5 degrees Fahrenheit, the article states.

Maine Public airs 2017 Cohen Lecture as part of ‘Speaking in Maine’

26 Oct 2017

[Maine Public](#) aired the 2017 Cohen Lecture, “Assessing the First Year of an Unconventional Presidency,” as part of its “Speaking in Maine” program. On Oct. 13 at the University of Maine, former Secretary of Defense William S. Cohen was joined by Ambassador Marc Grossman, former under secretary of state for political affairs, and Andrew H. Card Jr., former chief of staff to President George W. Bush, to discuss political events of the past year. Felicia Knight, president of the Knight Canney Group, moderated the event, which was held in the Collins Center for the Arts.

WABI reports on community window insert building event

26 Oct 2017

[WABI](#) (Channel 5) reported on a recent window insert building event among University of Maine students and Bangor community volunteers. As part of a collaboration with Rockland nonprofit WindowDressers, the volunteers are building about 40 wood-framed, plastic window inserts per shift, according to the report. The inserts will allow residents to save on heating bills, as well as help the environment, WABI reported. Pricing starts at \$25, but a grant is helping to subsidize window inserts at no cost for low-income families, the report states. "The window insert build not only provides inserts for people, but it also teaches them skills and gets the community together talking with each other," said Sharon Klein, an assistant professor in the School of Economics.

Dagher one of four inventors featured in BDN article

26 Oct 2017

Habib Dagher, executive director of the University of Maine's Advanced Structures and Composites Center, was featured in the [Bangor Daily News](#) article, "How four people survive as inventors in Bangor." The article is part of an ongoing series seeking to understand how the Bangor region could grow its economy. During his 27 years at UMaine, Dagher has secured dozens of patents, according to the article. A world-renowned inventor, his "Bridge in a Backpack" — where inflatable arch structures are filled with concrete on site to support the creation of a bridge — has been honored by the White House as well as the American Society for Civil Engineers, the article states. "We all have our ups and downs, of course, in everything that we do. But at the same time, that shouldn't drive you away from your mission," Dagher said. "One of my favorite sayings to tell people is, 'Success is what you do in between failures.' If you're afraid to fail, you're never going to succeed because you never try."

Complex 'L'Histoire du Soldat' an education for UMaine actors, dancers

13 Oct 2017

It's a story as old as humanity: the eagerness to trade the good things we have for what we think will surely be better. Composer Igor Stravinsky captured that age-old theme in "L'Histoire du Soldat" (The Soldier's Tale), and Oct. 27–29, the University of Maine School of Performing Arts will bring it to the Cyrus Pavilion stage. Performances featuring three student actors and a seven-member faculty ensemble will be at 7:30 p.m. Oct. 27–28 and 2 p.m. Oct. 29. Stravinsky wrote "L'Histoire du Soldat" in 1917 after he fled the Russian Revolution. He collaborated with Swiss writer Charles-Ferdinand Ramuz to create an innovative performance that was small enough to tour towns and villages. The piece premiered in 1918 in Switzerland. For their text, the collaborators found inspiration in a Russian folktale, "The Runaway Soldier and the Devil," based on a story by Faust. In Stravinsky's version, a soldier returning from World War I encounters the devil, who offers him a magical book that foretells the future (and, thus, unlimited wealth and power) in exchange for the soldier's fiddle. The soldier soon learns that money isn't enough, and he redeems himself by playing his fiddle to heal an ailing princess. But once again, he is tempted by the devil, seeking this time to trade the love and home he has found for his mother's approval. Stravinsky set the stage for modern, nontraditional ensembles, says Philip Edelman, UMaine assistant professor of music education, who will be conducting the UMaine work. "It was new to have this particular assortment of instruments (clarinet, bassoon, trumpet, trombone, violin, double bass and percussion) performing with actors and dancers, and other composers followed Stravinsky's lead in writing for nontraditional ensembles," says Edelman. "The piece is also very complex. A tango in the middle is intricately manipulated to become a waltz and then ragtime, so that just when you think you get a musical groove, something changes dramatically. There are moments of intense beauty, and raucous, crazy moments when the whole world is shaking." The complex work presents a unique challenge for its student actors and dancers, says Beth Wiemann, chair of UMaine's Music Division and a member of the ensemble. "The students are onstage a lot, and it will be very intense for them," she says. "It's just the three of them, and they have to put this story across while live musicians are playing and they're following a conductor." "L'Histoire du Soldat" features highly structured poetic rhyming verse, which demands clear pronunciation, articulation and projection. The actors also have to dance and perform multiple roles, says director Tom Mikotowicz, a UMaine professor of theatre. "And if they forget a line, they have to ad lib in rhyme. So it's very educational for the students, since they do things they don't normally get to do," Mikotowicz says. Edelman says the work is an opportunity for UMaine music students to see an ensemble of faculty members — their teachers and mentors — perform a particularly complex piece. "It will give our students a chance to see why technical performance skills aren't enough," Edelman says. "My conducting students will be included in my preparation process, and I hope they have an aha moment, where they realize why it is important to have a firm grasp of all of their course material — from music history to theory, to what they are learning in their applied studies — in order to perform something this complex. As musicians, we're excited to do this." Tickets are \$12 and may be purchased [online](#). For more information or to arrange a disability accommodation, call 207.581.4703.

30th annual Culturefest to be held Nov. 4

27 Oct 2017

The University of Maine Office of International Programs and International Student Association will host a daylong celebration of cultures Saturday, Nov. 4 in the New Balance Student Recreation Center. The 30th 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 family-friendly event is free and open to the public, and provides the university's international students a place to showcase their talents and traditions. This year, roughly 60 countries will be represented by more than 150 participants. Organizers expect about 1,500 visitors from the campus and surrounding communities. New this year is a collaboration with the newly formed Maine Multicultural Center (MMCC) in Bangor. MMCC will host a table and activities which highlight the cultural diversity of Greater Bangor and the important role new Mainers play in the region's economic development. MMCC is partnering with the Big Brothers Big Sisters program in Bangor to provide increased access to Culturefest for local families. For information about transportation provided by the program, call Cat Hamel at 942.6365. "Culturefest is a wonderful opportunity for our communities to celebrate diversity and inclusion," says Sarah Joughin, senior associate director of the Office of International Programs. "Participants will travel the world in a day and have ample opportunities to engage with individuals from a wide variety of cultures. Showing an interest and willingness to learn about the traditions and values of cultures outside our own helps us to become global citizens and is a great way to say to our neighbors, 'You are welcome here.'" More information on Culturefest is available [online](#) or by calling 581.3437.

Seacoast Online advances UMaine Extension 'Gardening Forever' talk in Springvale

27 Oct 2017

[Seacoast Online](#) reported a free public presentation, “Gardening Forever: Tips and Tools for Lifelong Gardening,” will highlight the York County Extension Association’s annual meeting from 6:30 to 8 p.m. Nov. 14 at Anderson Learning Center in Springvale. Ellen Gibson, AgrAbility specialist with Maine AgrAbility, will speak about and demonstrate how to “garden forever,” the article states. Topics will include arthritis and its causes, and how small changes in working routines can help gardeners become stronger and reduce pain, according to the article. Maine AgrAbility works with Maine farmers who struggle to continue their work due to injury, illness or disability. The USDA-funded program is a partnership between University of Maine Cooperative Extension, Alpha One, and Goodwill of Northern New England.

UMaine makes 24/7 Wall St list of colleges where applications are up

27 Oct 2017

The University of Maine was included in [24/7 Wall St.’s](#) list of “Colleges where applications are on the rise.” 24/7 Wall St. reviewed 10-year changes in the number of applications in more than 1,500 post-secondary schools to identify the 100 colleges where applications rose the most. According to the report, UMaine’s 10-year increase in applications is 127.1 percent, and 12,952 applications were received in 2015–16. UMaine’s total undergraduate enrollment is 12,488, making the acceptance rate 90 percent, the report states.

Sun Journal reports on new student mentoring program at 4-H camp

27 Oct 2017

[Sun Journal](#) reported a new long-term youth mentoring program is available to Telstar Regional Middle/High School students at the University of Maine 4-H Camp and Learning Center at Bryant Pond. Thanks to a grant from the Emanuel and Pauline A. Lerner Foundation, the North Star Program will provide community engagement, cultural awareness and adventure/leadership opportunities to Telstar students for the next six years, according to the article. On Tuesday, middle school students visited the 4-H camp to sample some of what North Star has to offer, including learning about other cultures by making traditional foods, gardening, and making cards for the the Valentine’s Day Project, which delivers cards to those without homes on Valentine’s Day, the article states.

Nursing student, ROTC cadet, field hockey player featured on WABI

27 Oct 2017

Lydia Gavner, a nursing student at the University of Maine, was featured on [WABI](#) (Channel 5). Gavner also is a member of the UMaine field hockey team and a cadet in the UMaine Army Reserve Officers Training Corps (ROTC). “I have a list of priorities. Obviously I can’t play field hockey if I don’t have good grades. I can’t graduate as a second lieutenant if I don’t pass school first,” Gavner said. “It’s definitely a balance.” “She’s a great recruiting tool for us,” said Lt. Col. Michael Davis, a professor of military science. “We say, ‘Look at this person, she can do it all.’ And she’s very successful in all three aspects of it.”

Maine Public reports on UMaine research that links flu, muscle damage

27 Oct 2017

[Maine Public](#) reported University of Maine researchers say they have uncovered another reason to get a flu shot — especially for those with muscle disorders. Michelle Goody, an assistant research professor in the School of Biology and Ecology, spearheaded the research project while earning her Ph.D. in biomedical science at UMaine. Clarissa Henry, an associate professor of biological science who served as Goody’s adviser, told Maine Public the research was able to show — using zebrafish as subjects — that the influenza virus damages muscle fibers in several ways. In healthy individuals, these muscle fibers will eventually be rebuilt, Henry said, but that’s not the case for someone with a muscle disease, such as muscular dystrophy. “What Michelle observed was not just a little bit more muscle damage, she pretty much observed that the muscle was completely decimated,” Henry said, adding the results suggest that flu prevention and vaccination is likely even more important for those with muscle diseases than previously understood. [Muscular Dystrophy News](#) and [Medical Xpress](#) also reported on the research.

UMaine Extension offers tips on Maine foods for November

01 Nov 2017

With fall comes the arrival of local cranberries that can be added to many seasonal fare — from breads, relishes, salsas and chutneys, to soups, grain-based entrees and desserts. As cranberries become available, it’s also a good idea to buy extra and freeze for use later on. University of Maine Cooperative Extension publishes information to help you find, grow, use, preserve and store in-season fruits and vegetables in Maine. Visit extension.umaine.edu to order or download bulletins to fit the season, including November favorites such as [Canning and Freezing Quick Guides](#), [Let’s Preserve: Apples, Vegetables and Fruits for Health: Cranberries, Winter Squash and Pumpkins](#) and [Safe Home Cider Making](#). Before preserving food, UMaine Extension educator Kathy Savoie recommends getting up-to-date information on the best methods, canners, jars and seals to use to ensure a safe result. Recommendations are available from local UMaine Extension [offices](#) and [online](#), including upcoming food preservation workshops and [how-to videos](#). For more information, call 581.3188; 800.287.0274 (in Maine).

Workshop on commercial kitchen use for food-based businesses

01 Nov 2017

Understanding licensing for the commercial kitchen and regulatory requirements for food-based businesses is the focus of a workshop 9:30 a.m.–noon Nov. 3 at University of Maine Cooperative Extension, 75 Clearwater Dr. in Falmouth. Designed for business owners in the food industry, the workshop will examine the licensing process for commercial kitchens and required regulations for bringing food-based products to market. Scheduled presenters include UMaine Extension associate professor and food safety specialist Jason Bolton, Extension assistant professor and food scientist Robson Machado, and University of Southern Maine assistant provost for research integrity Ross Hickey. The \$50 per person fee includes light refreshments. Registration is online. For more

information or to request a disability accommodation, contact Mary Heathcote, 581.4093, mary.heathcote@maine.edu.

Professor Emeritus Richard Ryckman passes away

01 Nov 2017

Richard Ryckman, a professor emeritus of psychology at the University of Maine, passed away Oct. 26. Ryckman joined the UMaine Department of Psychology in 1967 and earned his doctorate in 1968, according to his obituary. He taught and did research and textbook writing at UMaine until his retirement in 1999. Departmental members awarded him Professor Emeritus status in 2000, his obituary states. The full obituary is [online](#).

Course will take students from idea to business in one semester

01 Nov 2017

A new course to help students launch their business or nonprofit in one semester will be offered this spring by the University of Maine Foster Center for Student Innovation. INV 471 StartUp Lab, led by Veena Dinesh, director of business incubation at the Foster Center, will create a cohort of UMaine student entrepreneurs passionate to make their mark in the business world. Weekly labs will tackle a business topic and provide structured group coaching to communicate ideas, test them in the real world, and prepare student entrepreneurs to launch their ventures. Students will be matched to mentors on campus, and be exposed to workshops and learning opportunities beyond the classroom. The three-credit course is open to students who have a business idea and are committed to testing and launching a scalable business. Students may participate individually or in teams of up to four people. Course admission is by online application; a selection committee reviews and selects participants based on the potential of their ideas and the commitment of the team members. Selected students are then registered by permission only for the course. Interested students should add the course to their spring 2018 wish list. StartUp Lab is part of the Foster Center's Innovation Engineering course offerings. The Foster Center for Student Innovation is dedicated to helping students and community members develop a mindset and skill set for creating, testing and achieving ideas. The center provides free business coaching to anyone with a business idea, operates a student business incubator, offers academic courses in Innovation Engineering, and manages the Innovate for Maine Fellows Program, a statewide college internship program focused on innovation. To apply for INV 471, go [online](#) or call the center, 581.1454.

Students speak at Challenger Learning Center's 'Make a Difference Day,' WABI reports

01 Nov 2017

[WABI](#) (Channel 5) covered "Make a Difference Day" at the Challenger Learning Center of Maine in Bangor. Female students, ages 10 to 15, from around the state attended the event to become a scientist for the day, as well as learn how women are working in STEM fields, according to the report. University of Maine students Melissa Kimble and Caroline Curtis spoke about how women are making a difference in the community with their careers. "It's really important to do what you want to do no matter what the field characteristics are," Curtis said.

UMaine, UMM cited in Maine Public report on keeping skilled workers in state

01 Nov 2017

A partnership between the University of Maine and the University of Maine at Machias was cited in the [Maine Public](#) report, "How the UMaine System is trying to keep young, skilled workers in state." By the time Philip Parent, a first-year student at the University of Maine at Machias, applied to UMaine's College of Engineering, all of the spots had been filled, according to the article. About a month later, a university counselor called Parent to offer him the option of attending UMM instead, then transferring to UMaine a few semesters later with enough credits to eventually get an engineering degree, the report states. "So far I really like it here," Parent said. UMaine officials said they hope this kind of collaborative effort among the state's seven public universities will help keep more students in the state, Maine Public reported.

Jones, students speak with WABI about paying it forward

01 Nov 2017

Nory Jones, a professor of management information systems at the University of Maine, spoke with [WABI](#) (Channel 5) about the Pay It Forward Simple Acts of Kindness initiative. Also known as the PIFSAC Challenge, the initiative encourages people to do or say something nice to someone, post about it on social media, and challenge someone else to do the same, according to the report. "It's really an attempt to be a counterbalance to all the cyberbullying that has been going on," Jones said. "The idea is that social media can be a powerful, destructive force. We'd like it to be a powerful, positive force for people to be nicer and kinder." Jones has enlisted students in her marketing class to help spread the word, WABI reported. "I just think there's too much hate, too much bullying in this world," said student Mitchel Spear, "I think the whole random acts of kindness and just paying it forward gives hope to the world."

Faculty, students help create online blueberry museum, Machias Valley News Observer reports

01 Nov 2017

[Machias Valley News Observer](#) reported Joline Blais, a new media professor at the University of Maine, and about 20 of her students are working with a Columbia Falls couple to bring their real-life wild blueberry museum online. "For a long time I'd been looking for a way to help my state prosper," said Blais, who focuses on digital storytelling. "Blueberries pull a lot of threads together." Dozens of interviews will ultimately provide the core of the online wild blueberry museum primed to bring new recognition to Washington County, according to the article. "We're interviewing those who have passion and a lifelong connection to the wild blueberry industry," Blais said. "I want to help my students understand what's at stake in this economy."

Kirby, Dill show off UMaine Extension's exotic bug collection for BDN

01 Nov 2017

The [Bangor Daily News](#) reported on the “animal room” housed in the University of Maine Cooperative Extension Pest Management Office in Orono. For more than 30 years, Clay Kirby, the office’s insect diagnostician, has employed the collection’s millipedes, walking sticks and cockroaches in educational programs, such as Bug Maine-ia, a science education event held annually at the Maine State Museum in Augusta, according to the article. “Cockroaches are easy to rear in captivity,” Kirby said, explaining why the collection has three different species of cockroaches. “They’re pretty tough. They reproduce nicely. They’re pretty easy to feed. They’re not picky on the food.” UMaine Extension’s live arthropod collection was started by pest management specialist Jim Dill in the early 1980s for educational purposes, the article states. “Most everything we’ve got was given to us, and we cultured it,” Dill said.

Press Herald reports on increased out-of-state enrollment, cites Flagship Match

01 Nov 2017

The [Portland Press Herald](#) reported the number of out-of-state students enrolled in the University of Maine System is at an all-time high this fall, with 5,727 enrolled — an 11 percent increase over last year — out of 28,997 students systemwide. Out-of-state students pay higher tuition, so the rise is positive news for the system’s financial bottom line, according to the article. The flagship campus in Orono, which more than half the out-of-state students attend, saw a 12 percent increase from last fall. While all the campuses have been pushing to increase their out-of-state enrollment to increase tuition revenue, one of the biggest efforts is the Flagship Match tuition program at UMaine, which offers students from select states a tuition rate equal to what they would pay at their home state’s flagship public campus, Press Herald reported. The Associated Press also reported on the increase, citing the Press Herald story. [U.S. News & World Report](#), New Haven Register and San Francisco Chronicle carried the AP report.

Learn to safely cook for crowds with Cooperative Extension

02 Nov 2017

University of Maine Cooperative Extension will offer “Cooking for Crowds — Food Safety Training for Volunteer Cooks” from 9 a.m. to noon Nov. 7, at UMaine Extension in Oxford County, 9 Olson Road, South Paris. The workshop 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. Participants will receive “Cooking for Crowds,” a manual specifically designed for volunteer cooks, as well as a certificate of attendance, posters and an instant-read thermometer. Cost is \$15 per person for the class, which meets the Good Shepherd Food Bank safety training requirements. Registration is online. For more information or to request a disability accommodation, contact Jillian Pendexter, 743.6329, jillian.pendexter@maine.edu.

UMaine to celebrate international education, cultural exchange Nov. 4–17

02 Nov 2017

The University of Maine will celebrate and promote international education and global cultural exchange through a variety of events in November. Events will begin Saturday, Nov. 4 with the 30th annual Culturefest at the New Balance Student Recreation Center, and will end Friday, Nov. 17 with the Solidarity Harvest volunteer opportunity. Other activities will include presentations and panels, exhibits and workshops. Some events coincide with International Education Week, Nov. 13–17. UMaine joins the initiative of the U.S. Department of State and the U.S. Department of Education to promote programs that prepare Americans for a global environment and attract future leaders from abroad to study, learn and exchange experiences. Sponsors of International Education Week at UMaine include the Office of International Programs, Department of Modern Languages and Classics, Career Center, Canadian-American Center, Office of Multicultural Student Life, Bodwell Center for Service and Volunteerism, School for Policy and International Affairs, Honors College, International Affairs Program, Orono Post Office, and the German Club. More information, including a complete schedule, is on the [International Programs website](#).

Maine Edge advances 30th annual Culturefest

02 Nov 2017

[The Maine Edge](#) published a University of Maine news release about the 30th annual Culturefest set Nov. 4 in the New Balance Student Recreation Center. The UMaine Office of International Programs and International Student Association will host the celebration of cultures from 11 a.m. to 3:30 p.m. The family-friendly event is free and open to the public, and provides the university’s international students a place to showcase their talents and traditions. This year, roughly 60 countries will be represented by more than 150 participants. Organizers expect about 1,500 visitors from the campus and surrounding communities. The [Bangor Daily News](#) also mentioned Culturefest in a “Culture Shock” blog entry about local events slated over the weekend.

Study cited in Knoxville News Sentinel report on team formed to combat hazing

02 Nov 2017

[Knoxville News Sentinel](#) cited a 2008 University of Maine study in the article, “University of Tennessee forms team to combat hazing, look at issue from public health standpoint.” The national study, which was conducted by researchers Elizabeth Allan and Mary Madden, indicated that in 95 percent of cases where students identified their experience as hazing, they did not report the events to campus officials, the article states.

Press Herald article on local popcorn includes recommendations from Hutton

02 Nov 2017

The latest article in the [Portland Press Herald](#)’s “Green Plate Special” column focused on eating and growing local popcorn in Maine. For those who want to try growing popcorn, University of Maine Cooperative Extension vegetable crop specialist Mark Hutton recommends the Mahogany, Robust 128YH, Strawberry and Top-Pop varieties, according to the article.

Vox publishes op-ed on Trump-Nixon parallel by Fried

02 Nov 2017

[Vox](#) published the opinion piece, “As a campaign manager faces charges, the Trump-Nixon parallel gets stronger,” by Amy Fried, a political science professor at the University of Maine.

Highmoor Farm mentioned in BDN article on Maine Compost School

02 Nov 2017

The [Bangor Daily News](#) reported on the Maine Compost School, an award-winning, internationally-acclaimed program that for the last 20 years has taught students from all over the latest cutting-edge compost technology. More than 1,000 students have graduated from the Maine Compost School, which is taught twice a year at Highmoor Farm in Monmouth, the University of Maine’s apple, small fruit and vegetable research facility, according to the article. The farm has a state-of-the-art composting facility where students receive classroom instruction, laboratory experience and hands-on project exercises at the school that has received the Governor’s Award for Environmental Excellence and a special national award from the U.S. Environmental Protection Agency, among other recognitions, the BDN reported. Students spend a week digging into the art and science of composting, learning everything from how to correctly manage a small backyard bin to a large community compost facility, the article states.

CNNMoney cites Blackstone in article on Anita Hill, sexual harassment

02 Nov 2017

Amy Blackstone, a sociology professor at the University of Maine, was quoted in the [CNNMoney](#) article, “How Anita Hill forever changed the way we talk about sexual harassment.” In 1991, Anita Hill testified about sexual harassment she allegedly endured from Clarence Thomas, her former boss at the Equal Employment Opportunity Commission and then a Supreme Court nominee. Before an all-male Senate Judiciary Committee, she recounted the allegations, sparking a national conversation about sexual harassment: what it is, how it’s defined and whom it affects, according to the article. A decade later, when Blackstone began researching sexual harassment, she interviewed men and women about their workplace experiences, and the Hill and the Thomas hearings kept coming up, the article states. “I was surprised by the number, without any prompting from me, who noted the impact the Thomas hearing had on their awareness of harassment as an issue, and the impact it had in terms of their reflections on their own experiences,” she said.

Vekasi discusses East Asian relations on Maine Public’s ‘Maine Calling’

02 Nov 2017

Kristin Vekasi, an assistant professor of political science and international affairs at the University of Maine, was a recent guest on Maine Public’s “Maine Calling” radio show. The show focused on issues in North Korea, South Korea, China and Japan, leading up to President Trump’s upcoming trip to Asia. Vekasi, who specializes in Northeast Asia and has spent years conducting research in China and Japan, also wrote the article, “Can business sell a likeable Japan to China?” which was published on [East Asia Forum](#).

AP quotes Livingston in report on how drought may have aided storm

02 Nov 2017

William Livingston, an associate professor of forest resources at the University of Maine, spoke with the Associated Press for a report about how drought conditions, recent rainfall and an unusual storm path in Maine may have contributed to the large numbers of trees that toppled during a recent storm that hit the Northeast. Several factors came into play to knock down so many trees, according to Livingston, who cited the dry fall that stunted the growth of tree roots, recent soaking rain that softened the soil, and powerful winds that came from a different direction. In Maine, nor’easters create northeastern winds, and thunderstorms blow in from the west and north, but these powerful winds came from the southeast, Livingston said. And the winds were exceptionally powerful, with four times the force of a common wind storm, he added. “These are a lot of different conditions that have come together. This may have been a unique situation where nobody could’ve predicted this,” he said. [The Washington Post](#), [Maine Public](#), [Miami Herald](#) and [The Columbian](#) carried the AP report. [Gloucester Times](#) also cited Livingston in the editorial, “Storm was bad, but we’re lucky.”

UMaine to honor veterans with week of events

02 Nov 2017

The University of Maine will recognize veterans with a week of events to coincide with Veterans Day, Nov. 11. The activities are coordinated by the UMaine Office of Veterans Education and Transition Services (VETS) and UMaine Veterans Association. UMaine Veterans Week activities will begin at 11:30 a.m. Monday, Nov. 6 with the annual American and POW flag raising on the Mall by Army and Navy ROTC. A barbecue to celebrate UMaine veterans will be held after the ceremony. Classes, except those that meet once a week on Fridays, are canceled on Nov. 10 in observance of the holiday. Other UMaine Veterans Week activities include:

- 11:30 a.m. Tuesday, Nov. 7 — Small-business administration workshop with James Pineau, senior area manager for the U.S. Small Business Administration’s Maine District, in the VETS office, Room 143 of the Memorial Union. Free pizza will be available.
- Wednesday, Nov. 8 — Free lunch available to student veterans. Vouchers can be picked up at the VETS office.
- 10 a.m. Saturday, Nov. 11 — Bangor American Legion’s 3K road race, For Our Vets Purple Heart Run, will begin in Brewer and end in downtown Bangor. Recommended donation is \$20 per runner. To register, contact Doug Damon at cdicemom@aol.com or 949.4735.
- 4 p.m. Saturday, Nov. 11 — UMaine’s football team will take on the University of Massachusetts Amherst at Fenway Park as part of the 2017 Fenway Gridiron Series. Tickets for the game are 50 percent off for active-duty military and veterans. Tickets can be purchased [online](#).

Free coffee and doughnuts provided by Dunkin’ Donuts will be available at the VETS office Tuesday through Thursday. For more information or to request a disability accommodation, contact Tony Llerena, VETS coordinator and school certifying official for veterans, at 581.1316 or tony.llerena@maine.edu.

Nayak, Beal aim to bolster seaweed, blue mussel production

02 Nov 2017

Editor's note: story updated Nov. 3 Aquaculture companies in Maine are at the forefront of efforts to culture high-quality seafood products. While the industry has grown in the last five years, those seeking to further expand face serious challenges. Two awards from the National Oceanic and Atmospheric Administration will support research projects designed to overcome the challenges and increase aquaculture production. A grant of \$908,015 will support research into sustainable post-harvest processing of aquacultured seaweed and development of value-added products. Balunkeswar Nayak, assistant professor of food processing in the University of Maine School of Food and Agriculture, will lead the research. Other UMaine team members include Peter van Walsum in chemical and biological engineering; John Belding at the Advanced Manufacturing Center; and Jennifer Perry, Denise Skonberg and Mary Ellen Camire in the School of Food and Agriculture. Interest in seaweed aquaculture is increasing in the U.S. for many reasons, including the demand for natural and local food. Maine is home to the first commercial kelp farm in the nation and has emerged as an industry leader. A challenge faced by many seaweed growers, who have become successful at culturing kelp and other species, is what to do with the raw material after it's harvested. Working with industry partners in New England, Nayak and his team will develop systems for post-harvest processing of seaweed (such as drying, blanching and freezing). The team also will study the quality, safety and consumer acceptability of various sea vegetable product forms. The project goal is to increase technical capacity of Maine seaweed producers and processors to compete in the food marketplace. A second award of \$249,238 to Brian Beal of the Downeast Institute for Applied Marine Research and Education will support study of large-scale culture of blue mussel seed or spat (larval or juvenile shellfish provided to commercial aquaculturists for grow-out). Demand for mussels in the Northeast exceeds the current domestic supply. In 2015, 9 million pounds of live mussels were imported from farms in Canada, especially Prince Edward Island. This represents about half of the U.S. market, and demand is projected to increase by nearly a third in the next decade. Seed production is the main factor limiting expansion of mussel aquaculture in the U.S., in part because the success of capturing wild seed varies widely. Beal, who also is a professor of marine ecology at the University of Maine at Machias, will use a combination of laboratory experiments and field trials to evaluate methods of collecting and culturing mussel seed (including cryopreservation or freezing) as well as compare the efficacy of different ropes used for settling larvae. The projects were among the 32 funded by NOAA with \$9.3 million in federal monies through NOAA Sea Grant's 2017 national strategic investment in aquaculture. These new efforts build on previous Sea Grant investments to support domestic aquaculture efforts. Between February 2016 and January 2017, Sea Grant reported \$90 million in economic impacts, including support of 900 businesses and 1,800 jobs from aquaculture investment. The Maine Sea Grant College Program at the University of Maine is a program of the National Oceanic and Atmospheric Administration and the state of Maine. Contact: Catherine Schmitt, 207.581.1434

New media students contribute to construction of virtual wild blueberry museum

03 Nov 2017

A group of 23 students from University of Maine new media professor Joline Blais' digital narrative course has been working on a prototype for a virtual wild blueberry museum. The virtual museum would extend the work begun by the existing Wild Blueberry Land in Columbia Falls, created by Marie and Dell Emerson. Dell had previously been a researcher for UMaine Cooperative Extension at the Blueberry Hill Farm facility in Jonesboro. Dell and Marie also have spearheaded a project to build a physical Wild Blueberry Museum for Washington County. This project has received lead funding from a regional donor, and plans are underway for its development. Students have interviewed wild blueberry farmers in Washington County about their personal experiences and memories to contribute to the project. Ashley Duggan, the lead student of the project, received the 2017 DownEast Acadia Tourism Student Award for her work in leading student interview teams and building a web portal for the video and photo documentaries created in the course. Wild lowbush blueberries are the only wild food crop that is harvested commercially in the United States. The industry is undergoing economic and ecological changes, in particular affecting family farms passed down through generations. The virtual museum's mission is to "tell the 'Great American Story' of the history of the origins and industry" through stories from these family farms, according to the organization's website, and also serve as a prototype and companion for the proposed physical museum. The virtual museum is predicted to open in 2018, with the prototype available by May.

National Weather Service to offer free winter storm spotter training Nov. 7

03 Nov 2017

The National Weather Service will offer a free training session on how to spot the signs of winter storms at 6:30 p.m. Tuesday, Nov. 7 in Stodder Hall, Room 57. Trained weather spotters help the NWS collect data to accurately report local storm information. Participants will learn how to measure and report winter weather phenomena including coastal flood erosion, high winds, rainfall, snowfall, ice accumulation and ice jam flooding. Open to faculty, staff and students, the training will help support UMaine's StormReady designation from the NWS. For more information or to register, email Donald Dumont at donald.dumont@noaa.gov.

UMaine Extension offers tips on staying safe during power outages

03 Nov 2017

In the wake of Maine's recent storm and as winter approaches, emergency preparedness is a timely topic. University of Maine Cooperative Extension publishes information on how to stay safe during power outages. Visit the UMaine Cooperative Extension [Publications Catalog](#) for bulletins including:

- [Safety of Frozen Food During a Power Outage](#) ([online](#) version also available)
- [Safety of Refrigerated Foods After a Power Outage](#) ([online](#) version)
- [Staying Warm in an Unheated House](#) ([online](#) version)
- [Food Safety During Disasters](#) ([online](#) version)
- [Preparing Food During a Power Failure](#) ([online](#) version)

Lobster Institute statistics cited in media reports on yellow, 21-pound crustaceans

03 Nov 2017

[RT](#) cited statistics from the Lobster Institute at the University of Maine in a report about a rare yellow lobster that was caught off the coast of Northern France. According to the Lobster Institute, there is only one yellow lobster in 30 million. In cases of blue lobsters, the number rises to one in two million. Meanwhile, the rarest type is the albino lobster — the chances of finding one are around one in 100 million, the article states. The Lobster Institute also was cited in a [BWW Food + Wine World](#) article on Vince, a three-foot-long, 21-pound lobster that is on display at Burger & Lobster in New York City. Vince is estimated to be “around 60 years,” according to the Lobster Institute.

Centralmaine.com publishes review of Hatlen poem collection

03 Nov 2017

[Centralmaine.com](#) published a review of “Elegies and Valedictions,” a collection of poems by the late Burton Hatlen, a former University of Maine professor of English. The book was edited by his widow, UMaine English professor Virginia Nees-Hatlen and published by the National Poetry Foundation at UMaine.

IMRE lab mentioned in WABI report on virtual reality in classrooms

03 Nov 2017

The University of Maine’s Immersive Mathematics in Rendered Environments (IMRE) Laboratory was mentioned in a [WABI](#) (Channel 5) report about using virtual reality in rural Maine classrooms. Using a \$10,000 grant from a software development company in Portland, East Grand School in Danforth recently installed two HTC Vive virtual reality systems with help from UMaine’s IMRE lab, according to the report.

NIFA publishes article on Follow a Researcher by Phelps

03 Nov 2017

The [National Institute of Food and Agriculture](#) (NIFA) published an article written by Lisa Phelps, program administrator with University of Maine Cooperative Extension. Phelps wrote about the UMaine Cooperative Extension 4-H’s Follow a Researcher program. The program, now in its fourth year, uses technology and social media to connect K–12 classrooms with graduate students conducting field research in remote locations, Phelps wrote. This November, students can watch as Lynn Kaluziński, a graduate student at UMaine’s Climate Change Institute, uses physics and geology to study the McMurdo Shear Zone in Antarctica. Kaluziński and a team of scientists, engineers and mountaineers are conducting scientific tests to determine how stable the Ross Ice Shelf will be in the future and how Antarctic sea ice melt may affect sea level rise, the article states. The article also was featured in the NIFA Update, a weekly email newsletter for universities, NIFA stakeholders, and other subscribers.

Socolow co-writes Washington Post op-ed on preserving radio voices

03 Nov 2017

Michael Socolow, a professor of communication and journalism at the University of Maine, and Christine Ehrick, a historian at the University of Louisville and communications director of the Radio Preservation Task Force, co-wrote an opinion piece for [The Washington Post](#), titled “Voices on the radio are a crucial part of life, but they’re being lost. Here’s how to fix that.”

Elsevier publishes Q&A with Longcore

03 Nov 2017

[Elsevier](#) published a feature article and interview with Joyce Longcore, a mycologist and associate research professor at the University of Maine, after recently winning the 2017 Golden Goose Award from the American Association for the Advancement of Science (AAAS). Longcore reflected on her work since isolating the chytrid pathogen causing the mass extinction of amphibians. Longcore said she participated in the Golden Goose Awards to help promote basic research.

AMC mentioned in EdTech article on university manufacturing centers

03 Nov 2017

The Advanced Manufacturing Center at the University of Maine was mentioned in the [EdTech: Focus on Higher Education](#) article, “University manufacturing centers prove a boon for industry, too.” Companies rely on academic programs for both industrial research and future employees, according to Kurt Goodwin, general manager of Advanced Manufacturing Works for GE Power Systems. The company works closely with UMaine, Georgia Tech and Greenville Tech, according to the article. “They’re three of my favorites,” Goodwin said. “They all take a very pragmatic approach to systems and embrace a broad range of students. It’s not just about engineering degrees, but also associate degrees and high-end technicians. These are things the country really needs.” GE has hired interns and graduates from all three to tackle problem-solving challenges, EdTech reported. In 2016, GE asked a team of UMaine engineering students to redesign a singlet nozzle for steam turbines. Working at the AMC, four undergrads simplified the design, which reduced machining time on each item by up to 30 hours, the article states.

Piscataquis County Extension Association annual meeting Nov. 8

06 Nov 2017

Piscataquis County Extension Association (PCEA) will hold its annual meeting at 5 p.m. Nov. 8 at the Dover Foxcroft Congregational Church in Dover-Foxcroft. The program and meeting are open to the public. University of Maine Cooperative Extension livestock specialist Colt Knight will demonstrate how to safely prepare and cook whole chicken on a home smoker. Knight also will discuss results of research conducted on different breeds of broiler chickens at UMaine’s J.F. Witter Teaching and Research Center. Participants will have a supper of smoked chicken, roasted potatoes and root vegetables, salad and hand

pies provided by Spruce Mill Farm in Dover-Foxcroft. The PCEA annual meeting will follow. New PCEA executive committee members are actively being sought to fill open seats. Cost for the program and dinner is \$8 per person; online registration is required. For more information or to request a disability accommodation, contact 564.3301, anette.moulton@maine.edu.

Leslie to talk at Coastal Estuarine Research Federation conference

06 Nov 2017

Heather Leslie will be a speaker at the Coastal Estuarine Research Federation [conference](#) Nov. 7 in Providence, Rhode Island. The director of the Darling Marine Center will talk about policies and practices that build resilience of coastal marine ecosystems and the human communities that depend on them. The Libra Associate Professor in the School of Marine Sciences is one of three speakers in the “Food Webs and Fisheries” session. The theme of the 24th biennial conference is “Coastal Science Inflection Point: Celebrating Successes, Learning from Challenges.”

Local voting information for Election Day

06 Nov 2017

On Election Day, Nov. 7, all Orono voters will vote at the University of Maine New Balance Field House. Polls will be open from 7 a.m. to 8 p.m. Community Connector buses will be available for Orono residents who need transportation. Voter registration staff will be on hand for new voters to register or for existing Orono voters to change their address or name. Registration also is available before Election Day at the Orono Town Office during regular business hours. To register to vote, you will need proof of identification, such as a driver’s license, state ID, passport or birth certificate, as well as proof of residency, which is any piece of mail showing an Orono street address.

VEMI Lab reschedules open house

06 Nov 2017

Due to the Oct. 31 power outage, the Virtual Environment and Multimodal Interaction (VEMI) Laboratory at the University of Maine has rescheduled its Halloween-themed open house for 4:30 to 7 p.m. Nov. 7. The lab, located in Carnegie Hall, is part of the spatial informatics program in the School of Computing and Information Science and houses Maine’s only research facility that combines a fully immersive virtual reality installation with augmented reality technologies in an integrated research and development environment. Students, faculty, staff, friends and family are invited to explore Halloween-related virtual reality demonstrations, as well as new simulations from recent research. Light refreshments will be available. Costumes are not required, but are encouraged.

Press Herald cites economic study in report on female head brewers in Maine

06 Nov 2017

A study released by the Maine Brewers’ Guild and conducted by the University of Maine School of Economics was cited in the [Portland Press Herald](#) article, “Ranks of female head brewers show signs of growth in Maine.” The economic study produced earlier this year found that breweries added \$228 million to the Maine economy in 2016, and production was forecast to grow 41 percent in the next three years, according to the article.

Bradford Era advances grad student’s Pittsburgh talk

06 Nov 2017

[The Bradford Era](#) of Pennsylvania reported Paul Kunoni, a Maasai scholar from Kenya and graduate student in the School of Policy and International Affairs at the University of Maine, will speak at 6 p.m. Nov. 9 at the University of Pittsburgh at Bradford. Kunoni’s talk, “The Breaking Spears: A Culture at Crossroads with Modernity,” is free and open to the public. An author of a book by the same name, Kunoni will speak about his life in Kenya and how his tradition and family background shaped his resolve to acquire modern education, the article states.

UMaine spinoff company wins regional BigGig, Maine Startups Insider reports

06 Nov 2017

[Maine Startups Insider](#) reported a medical simulation startup founded by University of Maine students won the Bangor region’s BigGig pitch event. The company, Zephyrus Simulation LLC, was spun off from a product developed by a group of bioengineering students, according to the article. The product began as a \$500 prototype of a manikin with a diaphragm that mimics natural breathing patterns, as well as hyperventilation and obstructed breathing patterns. It’s job is to help train medical professionals to diagnose and respond to critical respiratory situations, according to William Patrick Breeding, a bioengineering major at UMaine who pitched the business at the BigGig event. “The idea was to create a simulation capable of simulating realistic diaphragm movements,” Breeding said. Breeding and his co-founders plan to market the product to hospitals, medical education facilities, and emergency response organizations, the article states. For winning the BigGig pitch event, the team won \$500 and a chance to compete for \$5,000 at the BigGig Finale. [Tech.co](#) also published the Maine Startups Insider report.

Media cover 30th annual Culturefest

06 Nov 2017

[WABI](#) (Channel 5) and [WYII](#) (Channel 7) reported on the 30th annual Culturefest held at the University of Maine. UMaine’s Office of International Programs and International Student Association hosted the daylong celebration that featured international cultural exhibits, food, children’s activities, a style show and performances. The family-friendly event is free and open to the public, and provides the university’s international students a place to showcase their talents and traditions. This year, roughly 60 countries were represented by more than 150 participants. Organizers told WABI the event is a great way to bring people

of different backgrounds together. “I think in this age of more and more conflict around the world, it’s really important to create connections between different people, so person-to-person interactions is also another form of diplomacy,” said Orlina Boteva, director of International Programs at UMaine. New this year was a collaboration with the newly formed Maine Multicultural Center in Bangor, which aims to highlight the cultural diversity of Greater Bangor and the important role new Mainers play in the region, WABI reported.

The human costs of financial crises: linking market sentiment to human capital loss

06 Nov 2017

Global financial crises and the severe economic hardships they impose on millions of people worldwide can sometimes lead to violent and fatal outcomes, according to a new study from the University of Maine. The research, which links periods of economic turmoil to increased rates of suicide and murder-suicide, illuminates the often overlooked and understudied loss of human life as a direct consequence of market instability. The results of the study, which included an analysis of data from the Centers for Disease Control and Prevention (CDC) and Bureau of Labor Statistics, find that the rates of suicide and murder-suicide (where the perpetrator takes his or her own life shortly after a murder) can be predicted by shocks to the national economy, like the recent Great Recession. However, according to the study’s lead author Pankaj Agrawal, these tragic outcomes, termed “direct human fallout,” lag behind the economic events that trigger them by two years — an important finding that identifies a crucial window for proactive government or public health policies or interventions to help prevent irreparable loss of life and human capital. The paper, “Suicides as a response to adverse market sentiment (1980–2016),” co-authored with Doug Waggle, professor of accounting and finance at the University of West Florida and Daniel Sandweiss, professor of anthropology and climate change at UMaine, was recently published in the journal PLOS ONE. Agrawal, an associate professor of finance in the Maine Business School, spent nine years on the project, evaluating the records of more than 2.5 million non-natural deaths reported by the CDC. As economic systems struggle, so do the people who rely on them. The collapse of the housing market, which began at the end of 2006, set off what would become the most severe global financial crisis since the Great Depression. Between 2007 and 2010, it is estimated that U.S. families lost nearly \$6 trillion of personal wealth — a sum equivalent to 39 percent of the U.S. national Gross Domestic Product (GDP). Economic recessions or depressions can bring on significant economic hardships for individuals and families. Many people lose or are threatened by the loss of employment, income, investment value, retirement savings and assets — including their homes. These prolonged financial stresses can be devastating, particularly for seniors or those with limited savings. So much so, it can ultimately lead to violent and untimely deaths, according to the study. Agrawal and the researchers investigated these fatal events as the final breakdown of the human spirit in individuals reeling from the impacts of the global financial crisis during the Great Recession, and found that incidents of suicide rise as economies and markets fall. According to the study, the variability in suicide rate, as well as the speed it changes from year to year, can be explained, in part, by changes in the national unemployment rate, the GDP growth rate, inflation rate and stock market returns. Suicide and unemployment rates are particularly correlated. From 2005 to 2010, the unemployment rate climbed from 5.1 percent to 9.6 percent. Over the same period, suicide rates also climbed — from 10.9 persons to 12.1 persons per 100,000. Perhaps the most important of the study’s findings is the two-year lag between economic stress and the eventual rise in suicide rates. According to the authors, the delay accounts for the time it takes economic hardships, like job loss and home foreclosure, to affect an individual’s mental health to such an extent that they take their own or others’ lives. This lag, however, opens a “window of opportunity” for support systems to be put into place to help prevent these unfortunate acts. In terms of impact and severity, the Great Recession is second only to the Great Depression which began in 1929. The authors note that in each case, the suicide rates reached their highest points about two years after the markets hit their lowest point. At its peak in 1932, the suicide rate during the Great Depression reached 22.1 persons per 100,000. The authors suggest that the current suicide rate, which is still far lower than the rate seen during the Great Depression, is a testament to the modern support systems already in place, but acknowledge that more could be done. As a result of the collapse of the housing market, more than \$450 billion of federal money was allocated to failing financial institutions through the Troubled Asset Relief Program (TARP) to help stabilize the market. Studies like this, which highlight the direct human cost of economic crises, will raise the awareness of policymakers and inspire new strategies and perhaps federal revenue streams that support agencies and programs to help individuals severely impacted by economic stress — not just financial institutions — well before things turn fatal. “Finance journal articles focus on monetary alpha, which is the return on a portfolio in excess of the benchmark. We think it is important to be aware of the loss of human capital as a consequence of market instability and to put in place systems that can prevent avoidable loss,” says Agrawal, who hopes the research impacts lives beyond the few extra dollars that can be made in the stock markets. Contact: Walter Beckwith, 207.581.3729

Update on today's weekly siren test as part of emergency communications

06 Nov 2017

As part of the University of Maine emergency communications system, sirens on campus are tested every Monday at noon. Today's test resulted in one of the sirens activating for one minute, which is longer than normal. There is no emergency on campus. The next siren test will be next Monday at noon.

Online sustainability journal Spire invites submissions

07 Nov 2017

Have a photo spread of a wind farm? A poem about climate change? An article about recycling? Research data pertaining to ocean salinity? A video of a day-in-the-life of an organic farmer? Spire, the Maine Journal of Conservation and Sustainability, would like to hear from you. Spire’s editorial team of graduate and undergraduate students at the University of Maine invites submissions for the second issue of the online journal, slated for release in spring 2018. Perspectives from students and people in diverse careers and fields throughout the state are sought to join this dialogue to influence environmental change. Three selections in the [inaugural issue](#) include a Maine Woods National Park photography project; a survey of Maine wild blueberry fields, wildflowers and bees; and a story about Ray Phillips, a hermit who lived for 44 years on Manana Island adjacent to Monhegan. 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. Dec. 10 is the deadline for submissions. To learn more, visit the Spire [website](#), including the page detailing [guidelines](#). Questions and submissions can be emailed to spire@maine.edu.

SPA challenges expectations with ‘A Midsummer Night’s Dream’

07 Nov 2017

Director Marcia Douglas and a cast of 25 University of Maine students will bring a fresh and inventive production of “A Midsummer Night’s Dream” to the

Hauck Auditorium stage, beginning Nov. 10. The UMaine production of William Shakespeare's classic comedy will run for seven performances; 7:30 p.m. Nov. 10–11 and 17–18; 2 p.m. Nov. 12 and 19; and 10 a.m. Nov. 16. Tickets are \$10 and available [online](#); admission is free for students with a valid MaineCard. After the 2 p.m. matinee Nov. 12, Caroline Bicks, the Stephen E. King Chair in Literature, will present a free, public discussion, "From Page to Stage," with theater professionals Pier Carlo Talenti and Toby Bercovici. "A Midsummer Night's Dream" is one of Shakespeare's most widely produced plays and its story and themes are familiar to many audiences. UMaine's production will present audiences with a unique experience, says Douglas, associate professor of theatre at UMaine. "We've done our best to challenge audience expectations," she says. For one, playgoers will be seated on stage with the cast. "We wanted to force the audience into the world of the play," says Douglas. Portland-based stunt coordinator, fight director and UMaine alumnus Andrew Silver believes the play will be more interactive than audiences are used to. "Entrances and exits will be happening 360 degrees around the audience," says Silver. "By the end of the play the audience won't know which way is up." Another fresh approach involves the casting of Puck, "the shrewd and knavish sprite" who drives much of the story. Shakespeare doesn't indicate Puck's gender, though Puck is often interpreted as male. In this production, Puck will simultaneously be portrayed by two actors, one male and one female. "This is a world where anything can happen, and nothing is as it seems," Douglas says. "We want the audience to really believe that anything can happen in a dream." For more information, contact Alan Berry, richard.berry@maine.edu. To request a disability accommodation, call Kerry Davis, 581.4703.

Brewer speaks with WABI about Question 2

07 Nov 2017

Mark Brewer, a political science professor at the University of Maine, spoke with [WABI](#) (Channel 5) for a report about Question 2 on the ballot. The citizen's initiative is asking to expand MaineCare, also called Medicaid, in the state, according to the report. "If Maine chooses to do this, it would make a significant number of Mainers who are not eligible for coverage under Medicaid right now in the state of Maine, eligible," Brewer said. A study conducted by the Center on Budget and Policy Priorities estimates 70,000 low-income Mainers would become eligible, WABI reported. "Most health care professionals think that this is a desirable outcome. They argue that it would improve the health of these particular individuals which would improve the health of the state overall," Brewer said.

Grad student cited in Maine Public report on Atlantic bluefin tuna stocks

07 Nov 2017

Brenda Rudnicki, a marine biology graduate student at the University of Maine, was mentioned in the [Maine Public](#) report, "Atlantic bluefin tuna stocks are rebounding — But how high should the quota be raised?" Once severely depleted, populations of the prized sushi fish appear to be rebuilding up and down the New England coast. Now the industry and some scientists say the international commission that regulates the fish can allow a much bigger catch, but some environmental groups disagree, according to the article. Rudnicki works at Portland's Gulf of Maine Research Institute, which houses the hemisphere's largest collection of tiny tuna bones called otoliths, the article states. At GMRI, Rudnicki and other scientists are using otoliths to develop data and models to understand the true size and health of the two Atlantic bluefin populations — those that spawn in the Mediterranean and those that spawn in the Gulf of Mexico.

Grindrod discusses study on language, communication in older adults on WABI

07 Nov 2017

Christopher Grindrod, an assistant professor of speech-language pathology at the University of Maine, visited the studio of [WABI](#) (Channel 5) to discuss research that is being conducted on language and communication in older adults. "We're interested in looking at age-related changes in terms of language and communication in older adults, and we're also looking at those connections between other cognitive skills, such as memory and attention and how those might interact or affect language and communication as we age," Grindrod said. "The secondary goal is also to look at comparing how healthy, older adults perform in language compared to stroke survivors." Researchers are looking for participants who are right-handed, a native English speaker, 55–85 years old and have good hearing and vision. In early sessions, the participants will be asked to complete tests of hearing, vision, handedness and thinking processes. In later sessions, they will be asked to complete tests of their attention, memory and language, WABI reported.

BDN reports on wheelchair-accessible trail constructed by engineering students

07 Nov 2017

The [Bangor Daily News](#) reported on the wheelchair-accessible Lac D'Or Trail at Hirundo Wildlife Refuge in Alton that was completed this fall. Constructed by students in the University of Maine Department of Engineering and Technology, it is the second pathway in the refuge's new Trail of the Senses network, according to the article. Construction of the network began in fall 2016, when Hirundo naturalist Gudrun Keszöcze worked with the UMaine students to build the first trail in the network: the 0.15-mile Loop Trail. The trail has nature stations, or displays that visitors can interact with to learn more about their immediate surroundings through their five senses, the article states. The second phase of the project, the 0.17-mile Lac D'Or Trail, was constructed this fall by the students, who are still putting the finishing touches on the wheelchair-accessible observation deck located at the end of the trail on the shore of Lac D'Or, a manmade pond, the BDN reported.

President Hunter receives Kenneth M. Curtis Leadership Award, MaineBiz reports

07 Nov 2017

[MaineBiz](#) reported the Maine Development Foundation presented University of Maine President Susan J. Hunter with its 2017 Kenneth M. Curtis Leadership Award at its annual meeting in Bangor. The award is named in honor of the former Maine governor and is given annually to a graduate of MDF's Leadership Maine program, according to the article. "Dr. Hunter demonstrates exceptional, dynamic leadership in the community and in the state and most certainly serves as an example to others," said Jan Kearce, vice president of program impact and Leadership Maine program director. "Under [her] leadership, the University of Maine has not only welcomed some of the biggest incoming classes and attracted record number of out-of-state students, it's experienced significant increases in fundraising and gained momentum on its strategic pathways. [Hunter's] leadership extends far beyond her own campus as she creates

a strong vision and strengthens the delivery system for higher education in Maine.”

Media cover kickoff of UMaine Veterans Week

07 Nov 2017

[WABI](#) (Channel 5) and [WVII](#) (Channel 7) reported on the University of Maine’s annual American and POW flag raising on the Mall by Army and Navy ROTC to kick off a week of events to coincide with Veterans Day. The activities are coordinated by the UMaine Office of Veterans Education and Transition Services (VETS) and UMaine Veterans Association. A barbecue to celebrate UMaine veterans was held after the ceremony. “Student veterans are typically nontraditional students here on campus so they blend in,” Tony Llerena, VETS coordinator and school certifying official for veterans, told WABI. “A lot of times student veterans stay anonymous, so the biggest part is to make sure the entire community knows that we do have student veterans on campus.” Officials said there are about 400 student veterans at UMaine, WVII reported.

Kaitlin Young: Music education alumna named 2018 Maine Teacher of the Year

07 Nov 2017

Kaitlin Young isn’t letting accolades go to her head. “I feel incredibly honored and humbled to be named the 2018 Maine Teacher of the Year,” says Young, a 2010 UMaine graduate in music education. “I am grateful for the opportunity to further the discussion about the importance of education for all students, as well as celebrate and share the great work that teachers are doing all over our state every day,” she says. Young teaches pre-kindergarten through fourth grade general music, as well as choral music to students in grades five through eight in the RSU 68 School District, SeDoMoCha Elementary and Middle schools, in Dover-Foxcroft, Maine. “I started my career at SeDo eight years ago and I have been fortunate to grow with this district and community,” Young says. In October, Young was surprised by her students and colleagues at a school assembly in which she was officially named the 2018 Maine Teacher of the Year. “The announcement assembly was truly a moment that will last in my mind and heart forever,” Young recalls. “It was amazing to share that moment with my family, colleagues, and most importantly students.” As the Maine Teacher of the Year, Young will travel throughout the state and country collaborating with other educators to support the efforts underway to prepare all students for college, work and civic life. “I am hopeful that this opportunity will allow me to share stories of many of the incredible music and arts educators across our state and perhaps think differently about the role of arts education in our schools.” Young, who recently earned her master’s degree in music education from the Hartt School, part of the University of Hartford in Connecticut, credits UMaine with helping shape who she is. “The University of Maine helped me develop the strong foundational knowledge that prepared me to enter the classroom as an educator and for life beyond college,” Young says. **What do you love about teaching?** The students and colleagues that I have the privilege of working with each day always motivate me. There is nothing more inspiring than being part of a supportive community that loves the learning process and thrives by asking questions and seeking knowledge. That includes both staff and students. We all benefit from continuing to learn together. **What is your most memorable professional moment?** It is tough to think of my most memorable professional moment because the best parts of teaching are truly made up of many small moments. There is nothing like an aha moment where students make a connection and take pride in their success, or a question that leads to a great discussion or discovery. Music performances are filled with moments where you see such joy in the eyes of students and their families. When I think about teaching, I think about the little moments that leave a lasting impact. That is why I teach, and why I believe many educators teach; for the connections that we make and enjoy with our students, colleagues and communities. **What does it mean to you to be named Teacher of the Year?** It is an honor to represent my school, county and state. I have grown up as an educator in my school and the sense of community that we have inspires me. My family and friends, as well as our entire school community, have been celebrating (following the announcement), and I have been overwhelmed and overjoyed at each kind word, card, high-five, hug, etc. It has been a whirlwind, but I could not imagine sharing the experience with anyone else. **Do you hope this award will motivate other musicians to go into teaching or for schools to invest more in music programs?** I am an educator first and foremost, and music is the content through which I choose to help children experience the learning process and about their role within their community and beyond. There are many other incredible educators across our state who teach a variety of different contents, but we teach students first. I would love to see schools invest more in their music and arts programming. In my experience, our school’s investment in arts education has strengthened our entire community. The growth and success of our school and arts programs have been made possible by celebrating how making connections between all content areas provides a stronger and more authentic learning experience for all of our students. They can take these learning experiences with them beyond the classroom. Students need to experience, not just have access to, quality arts education the same way that they need to experience quality math, science, social studies, etc. The more you learn and experience, the more connections you make. These connections allow for a greater perspective that help you to think creatively, flexibly and empathetically. The arts have defined cultures for thousands of years and are essential to helping students express themselves and understand their role within their school communities and beyond. I am hopeful this will encourage communities to invest in their students and schools, as well as think deeply about the role that music educators, and all educators, play in the lives of our students as we encourage them to become well-rounded adults. **How did UMaine prepare you for your career?** I loved the camaraderie that grew out of the supportive and collaborative environment within the music program. Along with the pedagogical knowledge, the program is designed to encourage you to build relationships with professors and colleagues that stay with you beyond college. It is inspiring to me to see so many other friends and colleagues thriving. I also love being able to visit with former professors who have become mentors and friends over the last 10 years. They are invaluable resources who have inspired many of our educators across the state. Beyond the academic classes, being a part of many campus activities that UMaine has to offer has shaped who I am as an educator. I loved being a member of the Pride of Maine Black Bear Marching Band, Screamin’ Black Bear Pep Band, and University Singers. These ensembles bring together students from all over campus and teach many of the intangible life skills that students will need to continue to thrive as adults. The “Pride, Spirit, and Drive” motto instilled in me through the marching band is something that I carry with me everywhere I go, and it is what I hope to share and inspire in students. I loved being a part of the entire UMaine community. It truly helped me experience the joy of growing up, learning, and being a part of something bigger than yourself. **What’s your most memorable UMaine moment?** My most memorable UMaine moment has to be the first time that I heard an arrangement of “Livin’ On A Prayer” played by the Screamin’ Black Bear Pep Band at a hockey game in the Alfond. The arrangement has special significance for me and the combination of music performed by the pep band with the incredible atmosphere created in Alfond Arena at a hockey game is something that I will never forget. Contact: Alan Berry, 581.1955

Maine Cattlemen’s College Nov. 18 in Orono

08 Nov 2017

The inaugural Maine Cattlemen’s College will be held 8 a.m.–3 p.m. Nov. 18 at Wells Conference Center. The event begins with an optional dinner at 6 p.m. Nov. 17. Sponsored by University of Maine Cooperative Extension and Maine Beef Producers Association (MBPA), the day is designed for current and prospective Maine beef cattle producers. Led by industry experts, presentation topics include necessary nutrients in cattle feed, the inspection process and

food sovereignty law, and understanding handling facility design. There also will be a trade show and silent auction. The \$35 fee (\$25 for MBPA and MOFGA members) includes a steak lunch; the optional prime rib dinner is \$35. All proceeds benefit the MBPA scholarship fund. Registration is online. For more information or to request a disability accommodation, contact Colt Knight at 581.2953, colt.knight@maine.edu.

Authors of 'Caught' to share fishing tales Nov. 14 at DMC

08 Nov 2017



The authors of “Caught. Time. Place. Fish.” will sign books and share stories at noon Nov. 14 in Brooke Hall at the University of Maine Darling Marine Center in Walpole. A collaboration between fisherman Glen Libby and photographer Antonia Small, “Caught” is an account of the beauty, fragility and profound change that characterizes fishing, fishing families and communities that depend on them in the 21st century. Based in the village of Port Clyde, Maine, but reaching globally, “Caught” chronicles individual and community efforts to transform a way of life for all who depend on the planet’s bounty. Libby and Small will share images and stories of the effort to restore Port Clyde’s small boat fishing fleet and to establish the first community-supported fishery in the country. “Fishing and fishing communities are an integral part of Maine’s identity and economy,” says DMC director Heather Leslie. “Many Darling Center-based researchers and students are working on topics that are closely linked with marine fisheries, particularly related to the health of the ecosystems and human communities on which they depend. We are delighted to host Toni and Glen, and to share their work with the community.” “Caught” was awarded the 2017 John N. Cole Award for Maine-themed nonfiction by the Maine Writers & Publishers Alliance. Signed copies of the book will be available to buy for \$42.20. Attendees are invited to bring lunch; beverages and cookies will be provided.

VillageSoup advances SPA production of ‘A Midsummer Night’s Dream’

08 Nov 2017

[VillageSoup](#) reported on the University of Maine School of Performing Arts’ upcoming production of “A Midsummer Night’s Dream.” Director Marcia Douglas and a cast of 25 students will take to the Hauck Auditorium stage, beginning Friday, Nov. 10, according to the article. The UMaine production of William Shakespeare’s classic comedy will run for seven performances. Tickets are available [online](#); admission is free for UMaine students with a MaineCard. The play will be interactive, as spectators will be seated on stage with the cast. Midcoast students appearing in the production include Jacob Siegel of Union, playing Demetrius; and Curran Grant of Rockland, playing Oberon, the article states.

Barkan writes BDN op-ed on criminal justice

08 Nov 2017

The [Bangor Daily News](#) published the opinion piece “The hurtful racial truth about criminal justice in the U.S.,” by Steven Barkan, a sociology professor at the University of Maine and author of the forthcoming “Race, Crime, and Justice: The Continuing American Dilemma.” Barkan also is a member of the Maine Regional Network, part of the 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.

Smith discusses concept assessments on Teach Better Podcast

08 Nov 2017

Michelle Smith, an associate professor in the School of Biology and Ecology, was interviewed for a [Teach Better Podcast](#) episode titled “Concept Inventories with Michelle Smith.” The discipline-based education researcher is on sabbatical at Cornell University. She defines concept assessments as “giving students questions to learn about what they know and what common conceptual difficulties they have.” Smith is a proponent of helping students learn biology and helping teachers adopt promising educational practices in classrooms.

Blackstone cited in HelloGiggles article on sexual harassment

08 Nov 2017

Amy Blackstone, a sociology professor at the University of Maine, was quoted in the [HelloGiggles](#) article, “Sexual harassment really can impact your mental health in a very dangerous way.” Refusal to believe victims and normalize sexual harassment likely adds to a victim’s isolation afterward, the article states. According to Blackstone, who researches sexual harassment, the cycle of victim blaming is the most detrimental to a victim’s health. She told LiveScience last year, “For some people, that self-doubt turned into self-blame and victims can feel responsible for what happened. Such self-blame may have a negative effect on mental health, including promoting feelings of depression.” MSN Lifestyle also published the HelloGiggles article.

Mt. Blue high-schoolers launch high-elevation balloon, Sun Journal reports

08 Nov 2017

[Sun Journal](#) reported on a high-elevation balloon launch conducted by students at Mt. Blue High School in Farmington. Rick Eason, an assistant professor of electrical and computer engineering at the University of Maine, has worked in collaboration with the biology class on the astrobiology-scientific ballooning project for several years, according to the article. He and UMaine engineering students assisted with the launch. Attached to the balloon were payloads that contained sea monkeys, seeds and other materials. Students will see how the items have been affected when the balloon returns to Earth, the article states. Once the balloon goes as high as it can and can float no longer, it will come down, and UMaine students will track it using a GPS, Sun Journal reported.

Maine Public airs Mitchell Lecture on Sustainability as part of ‘Speaking in Maine’

08 Nov 2017

[Maine Public](#) aired the 2017 Mitchell Lecture on Sustainability, “Facts Versus Values: How Can We Make Better Decisions?” as part of its “Speaking in Maine” program. In September, Thomas Dietz, professor of sociology and environmental science and policy at Michigan State University, spoke at the University of Maine about upcoming challenges and decisions related to sustainability in a changing world.

NBC News quotes Fried in analysis of year since Trump’s election

08 Nov 2017

Amy Fried, a political scientist at the University of Maine, was quoted in an [NBC News](#) article analyzing Donald Trump’s presidency. Three characteristics have defined Trump’s transition and presidency since his November 2016 election win: conservative celebrations, controversies and chaos, the article states. Fried pointed to Trump’s lack of major legislative victories. There hasn’t been a modern president, she said, “who pays so little attention to what is needed to be effective at governing and has delivered so little legislatively.”

NOAA awards \$1.1M to boost aquaculture research, MaineBiz reports

08 Nov 2017

[MaineBiz](#) reported two awards from the National Oceanic and Atmospheric Administration will support seaweed and blue mussel aquaculture research projects in Maine. A grant of \$908,015 to UMaine researchers will support research into sustainable post-harvest processing — such as drying, blanching and freezing — of aquacultured seaweed and development of value-added products. Researchers will work with industry partners in New England, with the goal of increasing capacity of Maine seaweed producers and processors to compete in the food marketplace, according to the article. An award of \$249,238 to Brian Beal of the Downeast Institute for Applied Marine Research and Education and University of Maine at Machias will support study of large-scale culture of blue mussel seed, to provide to commercial aquaculturists for grow-out. Demand for mussels in the Northeast exceeds the current domestic supply, but seed production is the main factor limiting expansion of mussel aquaculture, the article states.

Migraine attacks: the brain’s natural neural defense system

08 Nov 2017

What we experience as painful migraine attacks, with their severe headaches, nausea, extreme sensitivity to light and sound and occasional visual disturbances, may actually be our body’s natural way of protecting and repairing itself as a response to oxidative threats to the brain, according to new research at the University of Maine. The new theory on migraines suggests that each component of the multifaceted neurological disorder has an inherent protective function, which, when combined, form an integrated defense mechanism against the harmful effects of oxidative stress — an imbalance of reactive oxygen species (oxidants) and the body’s natural ability to suppress them. According to University of Maine adjunct associate professor of psychology Jonathan Borkum, previous research has suggested that people who suffer from migraines show higher levels of oxidative stress between attacks. Many of the common migraine triggers, like stress, sleep disruption, noise, air pollution and diet, can further increase oxidant production in the brain prompting the onset of a migraine attack. Oxidants are natural byproducts of metabolism. Our bodies create and deliver antioxidants which neutralize their harmful effects, but when the amount of oxidants exceeds the body’s ability to counteract them, they become toxic and can cause serious cell damage or death. Borkum’s latest research findings, reported in the journal *Headache*, do not only suggest that migraines are triggered by increased oxidative stress, but, rather, are the brain’s natural response “as a particularly violent return to homeostasis.” The brain, due to its easily oxidized tissues, high metabolic rate and relatively weak antioxidant defenses, is highly susceptible to oxidant damage. Oxidative stress is suspected to be an important factor in many neurodegenerative diseases, including Alzheimer’s and Parkinson’s. Therefore, according to Borkum, the ability to detect and respond to the threat of oxidative stress in the brain would be an important adaptation in preventing serious neurological damage. Borkum’s study focused closely on the variety of individual components of a migraine attack. Through in vitro research and studies of the interruption of blood flow to the brain, he found that each component showed neuroprotective and neuroregenerative qualities. Aside from painful and often debilitating symptoms, various physiological components of a migraine attack decrease the production of oxidants, boost and deliver antioxidants to the brain and release a number of growth factors which protect existing neurons from damage and stimulate new ones to grow. Each component appears connected to the others via an underlying system of feedback loops, hinting at the mechanics of an integrated system responsible for neural protection and repair, hidden within the debilitating pain and discomfort we know as a migraine attack. In many diseases, the symptoms we experience, such as fever, congestion or nausea, have very little to do with the illness itself, and are rather indicative of the body’s natural, often defensive, response to it. According to Borkum, the various symptoms of migraines are no different and to understand migraines, we need to first understand what gives rise to the oxidative stress in the first place. “To solve migraines and the associated risk, we must identify and treat the underlying diathesis, rather than focus on the body’s defensive response to it,” writes Borkum. Borkum’s new theory opens the door for new directions in treatments for migraines that focus on reducing oxidative stress and increasing the release of growth factors in the brain. The existence of integrated neurological systems tasked with protecting and repairing the brain from various threats illuminates how a healthy brain functions and could perhaps be used to further understand and prevent neurodegenerative diseases. Contact: Walter Beckwith 207.581.3729

Call for proposals to support UMaine events

09 Nov 2017

The Cultural Affairs/Distinguished Lecture Series (CA/DLS) Committee is accepting grant applications for events in the UMaine community. These grants support up to 50 percent of expenses for events contributing to the artistic, cultural and intellectual life of UMaine. The committee for CA/DLS accepts proposals four times a year. Previous grant awards have supported events including Culturefest, the International Dance Festival, lectures, exhibits, performances and guest artists. The next application deadline is Monday, Nov. 27 and is for projects beginning on or after Tuesday, Dec. 26. Proposals must be submitted [online](#). More information, including application guidelines, also is available [online](#).

Students, faculty to present at National Collegiate Honors Council Conference in Atlanta

09 Nov 2017

Fourteen University of Maine Honors College students, along with faculty and staff, are traveling to Atlanta, Georgia this week for the annual National Collegiate Honors Council (NCHC) Conference Nov. 8–12. Faculty and students will be giving 10 presentations on various topics related to Honors education, including social justice and human rights, intersectionality, activism and classroom research experiences. Five students are exhibiting their research in a poster session. More about the conference is [online](#).

The Fish Site reports on salmon embryo research

09 Nov 2017

[The Fish Site](#) reported on University of Maine research led by LeeAnne Thayer, a Ph.D. candidate in marine sciences, and Heather Hamlin, an assistant professor of aquaculture and marine biology. Beginning in 2000, fertilized salmon eggs began dying in large numbers, and the average survival rate fell from 80 to 50 percent. After five years of research, and one year to review the findings, the researchers published a report suggesting that higher levels of two hormones in the female broodstock would increase the likelihood of hatching salmon eggs back to 80 percent, according to the article. Hamlin proposed the study after learning farmers were concerned about the increased mortality of salmon embryos, the article states. Thayer and Hamlin worked with other UMaine researchers, in conjunction with the United States Department of Agriculture (USDA) and Cooke Aquaculture.

Schmitt writes Friends of Acadia Journal article on threatened marshes, middens

09 Nov 2017

The Summer 2017 issue of [Friends of Acadia Journal](#) includes an article by Catherine Schmitt, communications director for Maine Sea Grant at the University of Maine. The article, “Rising seas at Acadia: Implications and strategies for a changing landscape,” looks at how researchers, park managers and conservationists are responding to the effects of sea-level rise in Acadia National Park. The article focuses on salt marshes and sites of human history that are threatened by rising seas and related erosion. The article also cites work being done to study and protect shell middens by Alice and Joseph Kelley of UMaine’s Climate Change Institute and School of Earth and Climate Sciences.

UMaine mentioned in Mount Desert Islander article on computer science class

09 Nov 2017

The University of Maine was mentioned in a [Mount Desert Islander](#) article about an MDI High School game development class. Four students are taking their love of video games and combining it with art and science, developing their own games in the classroom, according to the article. “The big goal is to take game players and make them game creators,” teacher Megan McOsker said. The idea for the class stemmed from a field trip to UMaine last year, where an MDI computer science class discovered the potential of Unity, a free game development program. Unity is lauded for its relative simplicity and ability to create games across 27 platforms, from iPhones to Playstation to virtual reality, the article states.

WCSH, WLBZ advance first ‘Framing Maine’ event

09 Nov 2017

[WCSH](#) (Channel 6 in Portland) and [WLBZ](#) (Channel 2) previewed the University of Maine’s inaugural “Framing Maine” conversation series. Popular Maine television personality and UMaine alumnus Bill Green will be the featured guest at 6:30 p.m. Nov. 9 in Minsky Recital Hall, Class of 1944 Hall. Following the talk, Green will be interviewed by NPR Washington correspondent and fellow UMaine alumnus, Brian Naylor. Green also will be honored at the event by the UMaine Alumni Association, which will present him with the Black Bear Award, [WLBZ](#) reported. In advance of the event, the stations looked back at Green’s career and spoke with Kreg Ettenger, director of the Maine Folklife Center and coordinator of the Maine Studies Program at UMaine, about the series.

Study cited in NBC News opinion piece on Netflix series, sexual harassment

09 Nov 2017

A 2012 study conducted by sociologists at the University of Maine and University of Minnesota was cited in the [NBC News THINK](#) opinion piece, “Netflix’s Margaret Atwood ‘Alias Grace’ series captures the Weinstein moment.” The series, based on Margaret Atwood’s 1996 novel about an Irish-Canadian immigrant maid convicted of the murder of her employer and his lover, is a story of what can happen to a female in the workplace where men wield the power, the article states. The study found women who obtain power in the workplace, particularly in male-dominated environments, appear to be even more likely to be harassed, according to the article. Researchers theorized that perpetrators were motivated less by sexual desire than an urge to exert control and domination over these women who were viewed as a threat to male privilege, [NBC](#) reported.

Ippolito quoted in Slate article about online-only shows

09 Nov 2017

Jon Ippolito, a new media professor at the University of Maine, was mentioned in a [Slate](#) article about online-only shows and viewers being at the mercy of streaming platforms. Experts have proposed strategies for saving all sorts of corporate-owned digital content, including TV, the article states. Ippolito, who is director of the digital curation graduate program at UMaine, believes the concept of long-term storage of digital media is unworkable. Rather than impose analog methods on digital media, he recommends developing strategies that best suit the digital world, Slate reported. The article also cited Ippolito's book "Re-collection," which he co-wrote with Richard Rinehart.

Washington Post publishes op-ed by communication, journalism grad student

09 Nov 2017

[The Washington Post](#) published an opinion piece by Carter Hathaway titled, "The surprising origins of reality TV." Hathaway is a graduate student in the Department of Communication and Journalism at the University of Maine.

UMaine community giving back throughout the holidays

09 Nov 2017

Editor's note: This is not a complete list and may be updated as more information is available. Latest update Nov. 17. University of Maine groups are giving back to the community this holiday season through various charitable activities. The Black Bear Exchange, UMaine's food pantry and clothing exchange, will provide Thanksgiving meals to its clients who will be in the area for the holiday. The Bodwell Center for Service and Volunteerism is sponsoring its annual Thanksgiving Food Drive on Monday, Nov. 13. Items can be dropped off from 6–8 a.m. and 11:30 a.m.–1:30 p.m. at the Buchanan Alumni House, or at the Bodwell Center on the third floor of the Memorial Union by 4 p.m. Nov. 17. Requested items include turkeys (10–12 pounds), stuffing, butternut squash, carrots, cranberry sauce, canned vegetables and turkey gravy. There also is the option to sponsor a family for \$20. For more information, contact Lisa Morin at lisa.morin@maine.edu, 581.4194; or Dani Daigle at danielle.marie.daigle@maine.edu, 581.3097. The center also will be collecting gifts for the Salvation Army Angel Tree Program and the Crossroads Holiday Sharing Program. To select a child to receive a gift or for more information, contact the Bodwell Center. The Professional Employees Advisory Council (PEAC) is co-sponsoring the Solidarity Harvest, a day of service, on Nov. 17 along with the International Student Association, Office of International Programs and Bodwell Center. Eighty volunteers will lend a hand to pack baskets with food donations from area farmers at Food AND Medicine, a nonprofit organization in Brewer, to deliver to families in need for Thanksgiving. Transportation will be provided for three-hour shifts leaving from campus. Registration for volunteers can be completed [online](#). Members of PEAC and the Classified Employees Advisory Council (CEAC) will collect nonperishable food items, household supplies and monetary donations for the Black Bear Exchange in the Wells Conference Center lobby during the UMaine Employee Holiday Luncheon on Dec. 6.

Four finalists named for Vice President for Academic Affairs and Head of Campus position at the University of Maine at Machias

13 Nov 2017

Four finalists have been named for the position of Vice President for Academic Affairs and Head of Campus at the University of Maine at Machias (UMM). Between Nov. 16 and Dec. 6, the candidates will visit both the University of Maine at Machias and the University of Maine campuses. The search, which has been under way since June, generated over 100 applications. Candidates selected for campus visits, including interviews, presentations, and meetings with campus leaders, community members and students, are:

- Dr. Richard Glejzer is the current Provost and Dean of Faculty at Marlboro College located in southeast Vermont. He previously served as the Chair of the English Department at North Central College located in the suburbs of Chicago. Dr. Glejzer has a Ph.D in English.
- Dr. Elizabeth Mauch will visit from Bloomsburg University in central Pennsylvania, where she is a Professor of Mathematics. She most recently held the position of Dean, College of Education at Bloomsburg University. Dr. Mauch's doctoral degree is in Mathematics.
- Dr. Andrew Egan most recently held the position of Chancellor and Chief Academic Officer for Penn State Greater Allegheny. Dr. Egan is currently in Liberia with the Peace Corps on a one year posting at a higher education training institute. His Ph.D. is in Forest Resources.
- Dr. Heather Lattimer holds a doctorate in Education and spent the majority of her professional career at the University of San Diego as Program Coordinator, Department Chair and Associate Dean. She currently serves as the Executive Director for the Institute for Entrepreneurship in Education.

Each candidate will spend a half day at the University of Maine and a day and a half at the University of Maine at Machias. At UMM, each candidate will provide a public presentation on the following topic: *The current strategic plan for the University of Maine at Machias identifies the following as its first two strategic directions:*

- *Nurture student success and engagement through well-designed academic, leadership development and retention strategies.*
- *Enhance the university's coastal identity by expanding education and public service connections with the communities and natural environments of Maine's Bold Coast.*

How do you see the relationship between these two directions? How should UMM set priorities that will enable it to pursue them effectively? The presentations, followed by a question and answer period, will be held from 2:15–3:30 p.m., Science 102 building, University of Maine at Machias on the following days:

- Dr. Glejzer — Friday, Nov. 17
- Dr. Mauch — Wednesday, Nov. 29
- Dr. Egan — Friday, Dec. 1
- Dr. Lattimer — Wednesday, Dec. 6

Feedback forms for campus and community attendees will be available at each presentation and online. The feedback form submission deadline is 4:30 p.m.

Dec. 15. Additional information about the candidates is online. Videos of each of the presentations also will be online on Dec. 7. For more information or questions, contact Michelle Hale, Human Resources Partner at michelle.hale@maine.edu. Contact: Margaret Nagle, 207.581.3745

UMaine students develop winning app at civic hackathon

13 Nov 2017

University of Maine students Jacob Hall, Megan Howes, Stan Small and Brenton Wilson won \$500 for the Eco Pal app they created at the America East civic hackathon Nov. 4–5 in Boston. The UMaine team — challenged to help people and groups use energy and natural resources more efficiently — developed an app that provides a communal space that supports environmental action. The team earned the award from sponsor Massachusetts Clean Energy Center. In the coming months, the team will seek additional funding to support further development of the app. More than 120 undergraduate and graduate students participated in the second annual event hosted by UMass Lowell, with support from the university's DifferenceMaker program and Major League Hacking. The 24-hour coding competition, created and organized by the America East Academic Consortium (AEAC), challenged students enrolled at member universities to build software and hardware projects that address real-world challenges. Participants sought to develop technological solutions to issues in the areas of cybersecurity, education, environmental sustainability, and health and wellness. Students brainstormed and began work on Nov. 4, and on Nov. 5 — after many participants worked through the night — they presented their projects to academic and industry judges. In addition to the UMass Lowell DifferenceMaker program and Major League Hacking, BAE Systems, the Massachusetts Clean Energy Center, Circle Health, and the UMass Lowell Zuckerberg College of Health Sciences participated in the event. Experts from BAE Systems delivered a technology talk on augmented reality, provided students with access to HoloLenses for use at the event, and shared knowledge and expertise with hackathon teams. Juliette Kenny, executive director of the AEAC, expects the hackathon to become a mainstay on the AEAC's calendar. "Providing students with a forum in which they can collaboratively generate usable solutions to pressing issues, learn about new technologies, overcome technical difficulties, and interact with industry experts represents a tremendous learning opportunity," she says. "The breadth and quality of ideas at this past weekend's event speak to the intellectual ability of America East students and are evidence of the strength of the academic programs at America East member universities."

Inclement weather policy, emergency information available online

13 Nov 2017

Members of the University of Maine community are reminded that the inclement weather policy is [online](#), complete with the best options for getting up-to-date information about delays and class cancellations. For the most timely notification of weather-related class cancellations or postponements, UMaine community members are strongly encouraged to [sign up for text and/or email message alerts](#). Also note that the UMaine emergency information website has been retooled to provide direct access to emergency action protocols. Notifications also are posted on the [UMaine website](#) and portal, and on [University of Maine Facebook](#) and [Twitter](#) pages. These notifications are considered the most reliable options. In addition, updates can be heard by calling 581.SNOW (1.800.581.SNOW outside the local area), with early morning notifications recorded by 6 a.m., and others made throughout the day. Local media also are notified of UMaine's weather-related cancellations and delays.

Press Herald publishes grad student's op-ed on American, Cuban relations

13 Nov 2017

The [Portland Press Herald](#) published an opinion piece by Elyse DeFranco titled, "Americans will get a Cuban education." DeFranco is pursuing graduate studies in human dimensions of wildlife conservation at the University of Maine.

AP cites UMaine in report on state's blueberry harvest

13 Nov 2017

The University of Maine was mentioned in an Associated Press article about the state's wild blueberry harvest. The crop fell sharply this summer to land below 100 million pounds for the first time in four years, according to the article. Preliminary industry figures show the crop coming in at about 65 million pounds, said Nancy McBrady, executive director of the Wild Blueberry Commission of Maine. The crop is down because of factors including bad growing conditions, such as a lack of rain, and lack of farming effort, McBrady said. Maine produces about a tenth of the blueberries in North America, according to UMaine. The state is best known for wild blueberries, which are smaller than cultivated blueberries and are almost always sold frozen, the article states. The [Portland Press Herald](#), [Bangor Daily News](#) and [Sentinel & Enterprise](#) of Fitchburg, Massachusetts carried the AP report. The Press Herald also included a "Harvest at a glance" chart which included annual pound and price information provided by the University of Maine Cooperative Extension.

Wells speaks with Press Herald about toxic algae blooms

13 Nov 2017

Mark Wells, a marine biology professor at the University of Maine, spoke with the [Portland Press Herald](#) for the article, "Maine plans swifter protocols for shellfish monitoring." A toxic bloom of *Pseudo-nitzschia*, a common phytoplankton, closed hundreds of miles of Maine coastline to shellfish harvesting this fall and caused a recall of 58,500 pounds of blue mussels in September — only the second shellfish recall in Maine's modern history, according to the article. To prevent another recall, the state is drastically reassessing its shellfish monitoring practices, the article states. There are about 13 species of *Pseudo-nitzschia* in the Gulf of Maine, according to Wells, who has studied blooms of the algae on the West Coast. "They can bloom at one time with no toxin whatsoever and bloom at another time and be extremely toxic," he said. The speed with which it becomes toxic is also alarming, Wells said. The Gulf of Maine is one of the fastest-warming bodies of water on the Earth, and observers have warned about the ecological changes driven by a warming planet, the Press Herald reported. Changes in Maine waters may be driving new blooms, Wells said. "The concern is, we are seeing the start of a trend. It might not happen every year, but it may happen more frequently than in the past," he added.

Politico quotes Long in article on President Trump's popularity in Vietnam

13 Nov 2017

Ngo Vinh Long, a professor of history at the University of Maine, was quoted in the [Politico](#) article, “Why Vietnam loves Trump.” According to the Pew Research Center, Vietnam is among seven out of 37 surveyed countries where a majority of the population says they like Donald Trump. A reported 58 percent of Vietnamese told Pew earlier this year that they have “confidence in Trump to do the right thing when it comes to international affairs,” compared with the global median of 22 percent, the article states. “President Trump thinks he can stand up to China. That goes well with ordinary Vietnamese popular opinion,” said Long, who studies Vietnam and regional politics. “But this kind of attitude is scary to many people who are well educated or who are in the government because they think that, inadvertently, President Trump might provoke something with China that Vietnam itself cannot contain.”

Maine Public, international media interview Borkum about migraine research

13 Nov 2017

[Maine Public](#) spoke with University of Maine adjunct associate professor of psychology Jonathan Borkum about his latest research that theorizes migraine attacks may be the body’s natural way of protecting and repairing itself from toxins in the brain. Borkum said migraine symptoms may have a restorative purpose, to relieve the brain from what he calls “oxidant stress.” “Oxidation is a class of chemical reactions that is very common in the body, and that serve certain useful functions. But when the oxidative reactions exceed the body’s ability to control them, then they cause damage, and the body needs mechanisms for correcting that damage,” he said. Borkum’s findings, recently published in the journal *Headache*, also may point to a shift in the approach to medications used to help prevent migraines, [Maine Public](#) reported. “It suggests that the next iteration of preventive medications will be things that either reduce oxidative stress or reduce that vulnerability to oxidative stress, or that deliver growth factors to the brain, essentially taking the job away from migraines,” he said. The [Bangor Daily News](#) also published the [Maine Public](#) article. [WVH](#) (Channel 7), [Medi Magazine](#), [Psylex](#), [netralnews.com](#), [arsratio](#), [SME Primar](#), [Serwis Zdrowie](#) and [Medical Insider](#) also reported on Borkum’s research.

New potato variety available at harvest festival, supermarkets, media report

13 Nov 2017

The Associated Press, [Fiddlehead Focus](#), [WAGM](#) (Channel 8 in Presque Isle), [WABI](#) (Channel 5) and [WVH](#) (Channel 7) reported a new potato variety developed by the Maine Potato Board and University of Maine was once again available at the Maine Harvest Festival in Bangor. The Caribou Russet was made available to consumers for the first time at the same festival last year, and organizers said it sold out quickly, the AP reported. The Maine Potato Board said after this year’s festival, the russet should be available by Nov. 13 at Hannaford Supermarkets statewide and Tradewinds markets in Eastern Maine. This is the first year the potato will be available at Hannaford, [Fiddlehead Focus](#) reported. UMaine developed the Caribou Russet for fresh-market use as well as for processing, according to the AP. [WMTW](#) (Channel 8 in Portland) and [The Seattle Times](#) carried the AP report.

Youth invited to explore ocean with EPSCoR, UMaine Extension toolkit

14 Nov 2017

Got twine? How about clothespins? Glue sticks? Coffee filters? Cotton balls? University of Maine Cooperative Extension 4-H and Maine EPSCoR at the University of Maine do. They’ve also got dried seaweed, globes, kickballs and fish puzzles. They’ve packed these and other items in toolkits — called Exploring Marine Science and Aquaculture (Grades K–2) — that provide youth with a unique learning experience. And they recently received word the Exploring Marine Science and Aquaculture curriculum is the first in the state to earn national 4-H certification. A number of students, faculty and staff with EPSCoR (Established Program to Stimulate Competitive Research) and UMaine Extension have had a hand in creating hands-on activities to teach children about the ocean. The toolkits are available statewide for K–2 classes, 4-H and Scout groups, and after-school and summer program attendees. Educators and group leaders nationwide can access the engaging lessons online. “Outreach is what we do,” says Sarah Sparks, a 4-H science professional in Androscoggin and Sagadahoc counties. “It’s our mission.” A goal of the collaborative project is for children to develop an interest in science — including UMaine marine research — through interesting experiential activities. The dozen dynamic lessons, all of which contain multiple activities, dive into a number of ocean-related topics, including aquaculture. Children play crab soccer to experience how the 10-legged crustaceans move. They sing a song about tide pools to learn about the rocky crevasses filled with seawater. Teacher Kimberly Caron developed lessons for the K–2 kit when she was an undergraduate education major at UMaine. Caron and other UMaine education majors accompanied researchers in the field to experience the science firsthand before creating the curriculum. Activities are aligned with Next Generation Science Standards — key ideas and practices students should understand by the time they graduate high school. The experiential activities were tested multiple times in a variety of settings before being submitted for, and earning, the national 4-H curriculum approval. During one project’s pilot stage, Sparks enjoyed watching children design a fish with a mouth, fins, gills and tail, then make a connection with personal experiences they’ve had fishing. Laura Wilson, also a 4-H science professional with UMaine Extension, observed UMaine students piloting lessons with youth at University Park in Old Town. “There was a buzz in the air,” Wilson says. “It was exciting to see students lead the activities and see smiles on the children’s faces.” The project is funded by a National Science Foundation grant to EPSCoR. EPSCoR and UMaine Extension also are developing additional science toolkits for youth in grades 3–5, 6–8 and 9–12. Carla Scocchi developed the Sea Vegetable Toolkit — which has been submitted for national 4-H certification review — for children in grades 3–5. Scocchi, formerly a Maine Center for RiSE (Research in STEM Education) Master of Science in Teaching (MST) student, now is a 4-H professional in Hancock County. Approximately 11,000 Maine youth were involved in pilot testing the Sea Vegetable Toolkit lessons and activities, says Laurie Bragg, project administrator and program and outreach manager at EPSCoR. Hannah Chisholm, a RiSE center MST student, is developing the curriculum for children in grades 6–8, which is early in the pilot phase. And Lauren Swalec, also a RiSE center MST student, is developing the high school curriculum, which is entering the design phase. Undergraduates Savannah Swain and Abigail Elkins also have contributed. Bragg says the activities provide youth with opportunities to learn about UMaine-related marine research, in developmentally appropriate stages, from kindergarten through high school. These days, there’s been a steady hum in Bragg’s office as 3-D printers manufacture game pieces — including 100 seals (each seal takes 11 minutes to print) and 2,800 boats for an aquaculture-themed board game. Players assume the role of entrepreneurs, challenged with leasing sea plots, managing fishing vessels and harvesting mussels, salmon and kelp. Bragg says the game, and other ocean-related K–12 activities, engage youth in science that’s connected to them, to the state and to Maine’s economy. Wilson says EPSCoR and UMaine Extension have expertise and knowledge that can make a positive difference for Maine people and communities. “We have a wealth of information and a lot of resources,” she says. K–2 educators and club leaders are encouraged to contact Sparks at 207.353.5550 or 4-HScience@maine.edu to reserve a toolkit. Contact: Beth Staples, 207.581.3777

UMaine receives award for excellence in student voter engagement

14 Nov 2017

The University of Maine received the bronze seal from the ALL IN Campus Democracy Challenge for Excellence in Student Voter Engagement for the 2016 election. A bronze seal is given to institutions with a student voting rate between 50 and 59 percent. The ALL IN Challenge is a national awards program recognizing colleges and universities committed to helping students to be active and informed citizens, making democratic participation a core campus value, and increasing student voting rates. More about the ALL IN Campus Democracy Challenge is [online](#).

Distinguished Maine Policy Fellow Rep. Kenneth Fredette to visit UMaine

14 Nov 2017

Margaret Chase Smith Distinguished Maine Policy Fellow Rep. Kenneth Fredette will visit the University of Maine on Nov. 16. Fredette will be honored with a reception from 4–5:30 p.m. at the University Club in Fogler Library. All are welcome to attend the event, no RSVP is required. Fredette is serving his third term as the House Republican Leader. He represents House District 100, which includes Newport, Corinna, Plymouth, Etna and Dixmont. Margaret Chase Smith Distinguished Maine Policy Fellows are prominent individuals with a past or current career as a policymaker in the state. The Margaret Chase Smith Policy Center brings its fellows to campus for a day to teach an undergraduate class, engage faculty about research and public policy, and meet with UMaine administration and graduate students. Fredette’s visit is co-sponsored by the Margaret Chase Smith Policy Center and the Office of Innovation and Economic Development.

Fried quoted in American Prospect article on Maine’s Medicaid expansion campaign

14 Nov 2017

Amy Fried, a political science professor at the University of Maine, was quoted in [The American Prospect](#) article, “How Maine’s Medicaid expansion campaign got to yes.” Mainers voted 59 to 41 percent to expand Medicaid, making Maine the first state to approve Medicaid expansion at the ballot box. Both the turnout and the margin of victory were higher than expected in a year with no candidate elections and just four voter initiatives on ballots statewide, according to the article. Health care has long been a divisive topic in Maine, the article states, and in the past five years, 40,000 Mainers have lost health insurance. “The whole fight over repealing and replacing Obamacare was positive in that it reminded Mainers of why they care about health care,” Fried said. “People want more and better health care, not less and worse health care.”

Media report on four candidates for top post at UMM

14 Nov 2017

The [Bangor Daily News](#) reported the University of Maine publicly identified four finalists for the position of vice president for academic affairs and head of campus at the University of Maine at Machias (UMM). Candidates will visit the Orono and Machias campuses during the next few weeks, according to the article. The candidates are Richard Glejzer, the provost and faculty dean at Vermont’s Marlboro College; Elizabeth Mauch, a mathematics professor at the University of Central Pennsylvania; Andrew Egan, who is currently serving with Peace Corps in Liberia and recently served as chancellor and chief academic officer for Penn State Greater Allegheny in McKeesport, Pennsylvania; and Heather Lattimer, executive director for the Institute for Entrepreneurship in Education, the article states. University officials want input from faculty, staff and community members after each candidate’s presentation, the BDN reported. [The Machias Valley Observer](#) also announced the finalists.

Allan speaks with KJZZ about what can be done to combat hazing

14 Nov 2017

[KJZZ 91.5](#) interviewed Elizabeth Allan, a professor of higher education at the University of Maine, about what can be done to combat hazing in colleges. Allan also is the executive director of StopHazing.org, a resource for hazing research and prevention. “We’ve also found that hazing is occurring in performing arts groups, marching bands for example, as well as honor societies and other kinds of clubs and organizations, even intramural sports,” Allan told the National Public Radio member station in Phoenix, Arizona. Her research found a stigma around the word “hazing,” leading to fewer students reporting incidents if asked directly, KJZZ reported. A 2008 UMaine study conducted by Allan and Mary Madden also was cited in an [Epoch Times](#) article and a [Register-Guard](#) editorial on hazing.

WABI visits CCAR in report on aquaculture in Maine

14 Nov 2017

[WABI](#) (Channel 5) visited the University of Maine’s Center for Cooperative Aquaculture Research (CCAR) in Franklin for a report about aquaculture. “In the last say two to five years, the number of sea farmers in Maine has really exploded,” said Susan Brawley, a UMaine professor in the School of Marine Sciences. Her work at CCAR focuses on kelp and other sea vegetables, WABI reported. “Our water is pure, and in the fall through spring, it has a lot of nutrients,” she says. “And that’s one of the things that we think is attractive to having people begin to become sea farmers of sea vegetables. Some of them will be involved in other types of marine harvest, and this gives them a different seasonal crop.” In addition to research, the center serves as an incubator for aquaculture entrepreneurs, the report states. “We allow new companies that are interested in working with new species to come here and run trials, to train their crew, to do some small-scale commercial production so they have something to show to potential investors,” said CCAR director Steve Eddy. “We have all the infrastructure here to help those businesses get started,” added Melissa Malmstedt, assistant hatchery manager and education and outreach coordinator at CCAR. “We can help them with business plans and system designs.” UMaine also was mentioned in the first part of the “[Farming the Sea](#)” segment, which featured a lobsterman who took a UMaine course on aquaculture a few years ago.

Flag raising to celebrate Native American Heritage Month

14 Nov 2017

The University of Maine's Native American Programs and the Office of Multicultural Student Life will celebrate Native American Heritage Month with a flag raising ceremony Nov. 15. The ceremony will begin at noon on the Mall in front of Fogler Library. A reception and discussion hosted by Darren Ranco, associate professor of anthropology and director of Native American research, will be held in the Memorial Union, Bangor Room following the flag raising. The event will honor the contributions and accomplishments of indigenous staff, faculty and students within the campus community. It also will celebrate the diverse heritage of indigenous students while recognizing that campus is located on the land and waterways of the Penobscot Nation, according to event organizers. More information is on the event's [Facebook](#) page.

UMaine Extension offers tips on Thanksgiving food safety, wreath making

15 Nov 2017

University of Maine Cooperative Extension publishes seasonal information related to Thanksgiving food safety, home energy and balsam fir gathering and wreath making. Online publications include:

- [Helpful Hints on Handling Turkeys for Thanksgiving](#)
- [Basics for Handling Food Safely](#)
- [General Food Safety Tips for Preparing Food](#)
- [Balsam Fir Tip Harvesting](#)
- [Making Balsam Fir Wreaths](#)
- [Maine Home Energy Series](#)
- [Cranberries](#)
- [Let's Preserve: Cranberries](#)

More bulletins are available in the UMaine Cooperative Extension [Publications Catalog](#). To order, email extension.orders@maine.edu or call 581.3792.

Savoie, McCarty earn national recognition, Morning Ag Clips reports

15 Nov 2017

[Morning Ag Clips](#) published a University of Maine news release announcing University of Maine Cooperative Extension educator Kathy Savoie and community education assistant Kate McCarty were honored at the National Extension Association of Family and Consumer Sciences 2017 annual session in Omaha, Nebraska. Savoie and McCarty both received the first-place regional and first-place national Master Family and Consumer Sciences Volunteer Award. They were recognized by NEAFCS and the National Institute of Food and Agriculture for exceptional leadership in developing and implementing the UMaine Extension Master Food Preserver (MFP) Program, which trains and retains volunteers who extend the reach of UMaine Extension to provide home food preservation education in Maine communities.

School principal survey cited in BDN report on state's education system

15 Nov 2017

A survey of Maine school principals conducted by the University of Maine's College of Education and Human Development was cited in the [Bangor Daily News](#) report, "How Maine hurt education by trying to reform it." The article is the first piece in a series that examines what is holding back teachers, principals, parents and communities from helping students realize their full potential, and aims to hold up promising efforts that other places might learn from, according to the BDN. In the 2011 UMaine survey, a number of educational leaders called for a sustained focus and said school districts, and state and federal governments, needed to stay the course, the article states. "It's difficult to lead a charge for school and student improvement when the end goal keeps changing," wrote one respondent. "It burns out teachers, it burns out staff, and it burns out the principal. If we know what to teach, how to assess, and how to measure it consistently, progress could be made." The article also cited Gordon Donaldson, professor emeritus of education at UMaine and author of "From Schoolhouse to Schooling System: Maine Public Education in the 20th Century."

AP article on gardening in small spaces cites UMaine Extension

15 Nov 2017

The Associated Press article, "Larger houses on smaller lots lead to scaled-down plants," cited a University of Maine Cooperative Extension fact sheet. The [online](#) publication offers tips for gardening in small spaces. [The Washington Post](#) published the AP article.

Machado speaks with BDN about safe turkey cooking for Thanksgiving

15 Nov 2017

Robson Machado, a food science specialist with University of Maine Cooperative Extension and professor in the School of Food and Agriculture, spoke with the [Bangor Daily News](#) for an article about how to safely cook a Thanksgiving turkey. When buying a fresh bird, according to UMaine Extension, plan on picking it up one or two days before Thanksgiving, the article states. If using a frozen bird, there are three safe methods for thawing the turkey, according to Machado. "You can thaw it in your refrigerator, in cold water or in the microwave," Machado said. "Never leave it out to thaw at room temperature." When cooking the turkey, Machado said the best way to check for doneness is to place a meat thermometer in the thickest portion of the turkey's chest muscle. "As soon as it reads 165, it's safe," he said. Leftovers, Machado said, can last three to four days when properly refrigerated. After that, they can be frozen for up to a month.

UMMA exhibits featured in Art New England magazine article

15 Nov 2017

Two current University of Maine Museum of Art exhibits were mentioned in the [Art New England](#) magazine article, “A long look at time: The rise of camera-less photography.” The camera-less photography movement is motivated by a desire to bring back a medium “under siege by whiz-bang technology,” the article states. Leading the way is UMMA, which has organized two exhibitions dedicated to the artform, according to the article. “Littoral Drift Nearshore” by Meghann Riepenhoff features a selection of cyanotypes, which are made by hand-coating watercolor paper with light-sensitive chemicals and exposed to daylight, Art New England reported. In “Traces,” by Amy Theiss Giese and Keliy Anderson-Staley, the artists create photographs by applying and manipulating photo chemicals. “For many camera-less photographers, there is an element of chance and surprise. They embrace the idea of experimentation in the creation of these works,” said George Kinghorn, executive director and curator of the museum. The exhibits are on display at the downtown Bangor museum through Dec. 22.

UMaine Extension offers Microsoft Excel training for farmers

16 Nov 2017

For farmers who want to learn more about using Microsoft Excel spreadsheets in their businesses, University of Maine Cooperative Extension is offering a Farm Excel Training 4:30–6:30 p.m. Nov. 29 and Dec. 6 at the Penobscot County office in Bangor. The workshop, for farmers with some experience using the program, will introduce key components of Excel used to track farm financial income and expenses, as well as production information. The second session will introduce the Maine Farm Account Book template and its use within Excel. The course is free; preregistration is required. Enrollment is limited to 20. Register [online](#). For more information or to request a disability accommodation, contact the Penobscot County Extension office, 207.942.7396, 800.287.1485 (in Maine); or theresa.tilton@maine.edu.

BDN advances parking options on campus Friday night

16 Nov 2017

Campus will be packed Friday night for the Black Bear men’s ice hockey game at 7:30 p.m. at Alford Arena, and the Class C state championship football game at 7:06 p.m. on adjacent Morse Field. Officials from the University of Maine and the Maine Principals’ Association met to plan parking options, the [Bangor Daily News](#) reported. All parking areas generally used by ice hockey and football fans will be open. Annie Grant, coordinator for athletic facilities and special events at UMaine, also encouraged fans to utilize the shuttle bus service that will be available from the Collins Center for the Arts lot and the Belgrade lot. A shuttle bus will operate between those two lots and university’s field house 5:30–10 p.m. to accommodate fans.

Maine Edge reviews ‘A Midsummer Night’s Dream’

16 Nov 2017

[The Maine Edge](#) reviewed the University of Maine School of Performing Arts’ production of William Shakespeare’s “A Midsummer Night’s Dream.” Allen Adams wrote, “Seeing such a tight ensemble bring to life such a delightful show makes for a wonderful and worthwhile theatrical experience. The high-energy intimacy built by (director Marcia) Douglas and her cast creates a controlled chaos that is both frenetic and precise. As for the movement, both choreographer Nicole Felix and stunt coordinator/fight director Andrew Silver set things in motion with style and impressive grace.” The show continues at 7:30 p.m. Nov. 17–18 and at 2 p.m. Nov. 19. Tickets are \$10 each and available [online](#); admission is free for students with a valid MaineCard.

Johnson talks with WVII-TV about potato disease at summit

16 Nov 2017

[WVII](#) (Channel 7) reported on the Potato Disease Summit convened by the University of Maine. Plant pathologists, researchers and scientists from the Netherlands, Scotland and United States met at the Cross Insurance Center in Bangor to share information on the bacteria *Dickeya* and *Pectobacterium* that cause potatoes to rot and threaten the industry worldwide. “The pathogen will rot the seed. The plant doesn’t come up so it produces nothing. It may rot the tuber in the field. It may produce 20 to 80 percent less yield in the field. It may rot the potatoes in storage,” said Steven Johnson, University of Maine Cooperative Extension crops specialist. “What we have been doing to control this disease through tissue culture and through the sanitation isn’t working.” [PotatoPro](#) also reported on the summit and cited the WVII report.

BDN reports on Kelley’s shell midden research

16 Nov 2017

The [Bangor Daily News](#) reported on the prehistoric shell middens, or refuse heaps, along the Maine coast that are threatened by rising sea levels, beach erosion and development. The middens include clam shells, fish bones and other artifacts left behind by people who lived along the coast thousands of years ago. “The paleo information is priceless,” says Alice Kelley, an associate research professor at the University of Maine Climate Change Institute. “The bones and the things that are there are basically our only record of what was living in the western Gulf of Maine from 4,000 years ago to the present.” Citizen scientists can help preserve the archaeological record contained in middens, says Kelley. To encourage that, she’ll help establish a protocol for “midden minders” and a website for photos and data. Until then, she encourages interested citizen scientists to contact her at akelley@maine.edu.

WABI reports on Police Department’s presentation of lifesaving awards

16 Nov 2017

[WABI](#) (Channel 5) reported that the University of Maine Police Department presented three members of the UMaine Athletic Department — Jordan Fitzpatrick, Annie Grant and Ed Youngblood — with Lifesaving Awards. Fitzpatrick is an assistant softball coach, Grant is the coordinator for athletic facilities and special events and Youngblood is a member of the athletics ground crew. In October, they aided Richard Morrow, professor emeritus of physics, who was crouched next to a campus call box on a bike trail. Grant started CPR, Fitzpatrick administered medical aid and Youngblood transported medical personnel to the scene, according to the report. “They really helped me and when I was in a bad shape out there on the bike trail so I’m glad that they did have this honor and happy that I’m able to congratulate them on receiving it,” says Morrow. UMaine first responders on the scene that day also attended the

ceremony.

WLBZ, WCSH cover raising of Penobscot Nation flag over campus

16 Nov 2017

[WLBZ](#) (Channel 2) and [WCSH](#) (Channel 6 in Portland) reported the Penobscot Nation flag is flying over the University of Maine during Native American Heritage Month. The Nov. 15 flag-raising event honored contributions and accomplishments of indigenous staff, faculty and students at UMaine and recognized the campus is on Penobscot Nation land and waterways, according to organizers. “As we’ve seen in this country, monuments, statues, words, mascots, all of these things have implications on how races interact,” said Maulian Dana, ambassador for the Penobscot Nation. “And I think any action we can have of unity between groups is a really positive things.” Additional Native American Heritage Month events are listed on the UMaine Multicultural Center’s Facebook [page](#).

Maine Sea Grant director finalists to make public presentations

17 Nov 2017

Members of the University of Maine community are welcome to attend public presentations by the three finalists for the position of director of the Maine Sea Grant College Program at UMaine. Each candidate will present his or her “Vision for Maine Sea Grant,” followed by audience questions and discussion. Finalists and presentation dates:

- Gayle Zydlewski, 10–11 a.m. Thursday, Nov. 30 at the Senator George J. Mitchell Center, Norman Smith Hall, Room 107
- William Ambrose, 10–11 a.m. Friday, Dec. 1 at the Margaret Chase Smith Policy Center, York Complex, Building 4, Room 102
- Michael Rubino, 10–11 a.m. Monday, Dec. 4 at the Senator George J. Mitchell Center, Norman Smith Hall, Room 107

Live video conference connections also will be available for each presentation. A list of the remote locations around the state is online. Recordings also will be available for those who are not able to attend the live presentations. More information is on the Maine Sea Grant website.

Sun Journal reports on EPSCoR, UMaine Extension toolkit

17 Nov 2017

The [Sun Journal](#) published a University of Maine news release about a toolkit created by University of Maine Cooperative Extension 4-H and Maine EPSCoR to provide youth with a unique learning experience. The toolkits — called Exploring Marine Science and Aquaculture (Grades K–2) — are available statewide for K–2 classes, 4-H and Scout groups, as well as after-school and summer program attendees. Educators and group leaders nationwide can access the lessons online. “Outreach is what we do,” said Sarah Sparks, a 4-H science professional in Androscoggin and Sagadahoc counties. “It’s our mission.” A goal of the collaborative project is for children to develop an interest in science — including UMaine marine research — through interesting experiential activities.

UMaine cited in BDN article on starting a Maine business

17 Nov 2017

The University of Maine Office of Innovation and Economic Development was mentioned in the [Bangor Daily News](#) article, “10 lessons learned about starting your own Maine business.” At a recent “Dirigo Speaks: The Next Act” event at the Bangor Public Library, three Mainers shared their stories about starting a business after the age of 50, according to the article. One of the lessons they shared was for entrepreneurs to use the many resources that are available in Maine to help people start a business. One of those resources is UMaine’s Office of Innovation and Economic Development, according to the article. The office offers a “business gateway” online with information people starting a new business need, as well as guidance for growing a business, and information about licensable UMaine-developed technologies, as well as facilities and equipment that can be used, the article states.

Student discovers new wasp species, AP reports

17 Nov 2017

The Associated Press reported University of Maine student Hillary Morin Peterson discovered a new species of wasp. The Maine Department of Agriculture, Conservation and Forestry said Peterson discovered the species, which doesn’t sting, while conducting work for her thesis. The Brunswick resident named the wasp *Ormocerus dirigoius*, in tribute to Maine’s motto, “Dirigo,” which means “I lead” in Latin, AP reported. Peterson found the wasp while doing research in collaboration with the Maine Forest Service on invasive winter moths. Peterson is now studying entomology as a graduate student at Pennsylvania State University, according to the report. Her discovery of the new species is documented in a paper that appeared in the Proceedings of the Entomological Society of Washington, the article states. [CBS News](#), ABC News, San Francisco Chronicle, Tampa Bay Times, Houston Chronicle, Maine Public, WLBZ (Channel 2), [WMTW](#) (Channel 8 in Portland) and [Portland Press Herald](#) carried the AP report. The [Bangor Daily News](#) also reported on the discovery.

Emily Corbett: following athletic, artistic aspirations

20 Nov 2017

Emily Corbett of Listowel, Ontario, Canada says she was presented with the perfect situation when she was offered a scholarship to play field hockey at the University of Maine. “During my initial visit to the campus, not only was I impressed with the athletic facilities, but was exhilarated to see the art facilities. Here was the ideal place that would allow me to pursue my two passions simultaneously,” says Corbett, who is pursuing a major in studio art with a minor in art history. When she’s not training and practicing as goalkeeper for the women’s field hockey team, Corbett says she prefers to spend time in the painting studio of the Wyeth Family Studio Art Center on campus. “Since my early childhood, I have had two passions: A need to express my visions, feelings and concepts in various artistic mediums, and to compete in different athletic endeavors,” says Corbett, who adds her parents always encouraged her to follow her

dreams. **Is there a piece of art and/or project you have created while at UMaine that you are most proud of?** I take pride in all of my works, however, I am most proud of my painting entitled “The Immigrant.” This work is 20-by-24-inch acrylic and gold leaf on canvas. I completed this piece under the tutelage of art professor James Linehan. I was thrilled when it was awarded “Best in Show” in the University of Maine 2017 Juried Art Show. **Do you work closely with any professors?** I have found all of the faculty at the University of Maine to be helpful, caring and knowledgeable. Two members of the art faculty who have been particularly helpful to me are professors James Linehan and Ronald (Ed) Nadeau. Both of these outstanding professors go the extra mile to nurture, encourage and guide their students to excel. They seem to take Maine’s motto, “Dirigo” (“I lead”), to heart. **What difference has UMaine made in your life and in helping you reach your goals?** The University of Maine has provided me with an opportunity to grow and develop as an athlete, artist and as a person. When I travel back home, I tell my family and friends that the friendly atmosphere at UMaine is so much like home that I feel that I am in Canada. The combined influence of the faculty, staff and student body has had a profound effect on my character development. I have a much better concept of what I want to achieve in life and the pathway that I must take to realize my goals as a result of my University of Maine experience. **Do you have any advice for incoming college students who are considering a major in art?** The University of Maine provides everything that you need to learn and grow and become the person you want to be. All you have to bring with you is a positive attitude, a willingness to set your goals, and a commitment to work toward achieving them. **What are your plans for after graduation?** Throughout my life, I have been told that learning is a never-ending process. I am cognizant of the fact that never will I reach a point where I will be able to say, “Finally I am an artist, I have nothing more to learn.” With that in mind, I have determined that the next logical step in my artistic development is to continue my formal education by embarking on a master’s degree with a concentration on painting. I am currently investigating my options. Contact: Elyse Catalina, 581.3747

CUGR, Maine Space Grant Consortium announce undergraduate awards

20 Nov 2017

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 2017–2018 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 the CUGR and MSGC grant review panels and selected projects are awarded \$1,000 each. Each proposal was reviewed by three reviewers and scored on clarity, research goals and objectives, importance to the field, timeline, budget and faculty commitment letters. The winners are:

- Daniel Adams, chemistry, “Detection of Hazard Chemicals using Novel Mixed Copper-Lead Nanoparticles. Applications of Vapochromic Sensing Behavior,” advised by Howard Patterson
- Samuel Borer, physics, “Measuring the Cross Section of Charge Current Quasi-Elastic Neutral Hyperons in ArgoNeuT,” advised by Saima Farooq
- Chayton Boucher, chemistry, “Determination of Catalyst Mechanism Using NMR Spectroscopy,” advised by Brian Frederick
- Rebeka Bullard, biology, “Enhancement of Metallophilic Copper(I)-Platinum(II) Emission by Cationic Substitution in Solid Crystals,” advised by Howard Patterson
- Jason Alexander Dignan, new media, “Huskeh Tech — Mobile Makerspace,” advised by Gene Felice
- Emma Lueders, chemistry, “Synthesis of Copper-Doped Bismuth Oxyhalide for Photocatalysis of Harmful Herbicides,” advised by Howard Patterson
- Andrew Nolan, Earth and climate sciences, “Surge Glacier Dynamics of Turner Glacier, St. Elias Mountains, Alaska, since 1984,” advised by Karl Kreutz
- Stanley Small, computer science, “Counting Peaks in Ice-Core Data,” advised by Sudarshan Chawathe
- Ryan Warner, chemistry, “Photocatalytic Gas-to-Liquid Processing,” advised by Howard Patterson
- Abigail Weigang, bioengineering, “Selective Surface Modification of Paper Substrates for Controlled-Adhesion Diagnostic Devices,” advised by Caitlin Howell

More information about the fellowship and MSGC is available on the CUGR [website](#) or by emailing cugr@maine.edu. Graduate applications are still being accepted until Dec 1.

CUGR announces 2017–2018 academic year fellowship winners

20 Nov 2017

The University of Maine’s Center for Undergraduate Research (CUGR) has announced the undergraduate recipients of the Research and Creative Activities Fellowships for the 2017–2018 academic year. CUGR’s advisory committee selected 14 proposals from 70 student submissions to be awarded \$1,000 each during the semester. Each proposal was reviewed by three reviewers and scored on clarity, research goals and objectives, importance to the field, timeline, budget and faculty commitment letters. Top proposals were then discussed at a panel. Four awards were supported by the College of Engineering Crowley Fund and the rest were sponsored by the Office of the Vice President for Research. The winners are:

- Christopher Albert, chemical engineering, “Pulp Yield Improvement Via Meerwein-Ponndorf-Verley (MPV) Reduction,” advised by Thomas Schwartz
- Cole Butler, civil engineering, “Population Models on Continuous-Valued Heterogeneous Landscapes,” advised by David Hiebeler
- Jessica Champagne, psychology, “Maine Understanding Sensory Integration & Cognition (MUSIC) Project: Can Music Learning Improve Cognition in Older Adults?,” advised by Rebecca MacAulay
- Matthew Clark, chemistry, “Examination of the Effects of Processing Parameters on Bioactive Compounds in Maine Seaweeds,” advised by Barbara Cole
- Daniel D’Alessio, mathematics, “Lacunarity within Mammograms,” advised by Andre Khalil
- Spencer DeBrock, zoology, “The Effect of the Hemlock Woolly Adelgid on Black-legged Tick Abundance and Lyme Disease Infection Prevalence in Maine,” advised by Allison Gardner
- Amy de Silva, communication sciences and disorders, “Lend me your Ear: Context Effects on Ambiguous Idiom Comprehension in Aphasia,” advised by Christopher Grindrod
- Cara Doiron, finance, “Constructing Identity through the Lens of Fashion,” advised by Samantha Jones
- Cody Gigac, chemical engineering, “Synthesis of a HaloTag Ligand; for Targeted Genetic Studies of Serotonin Receptors,” advised by Michael Kienzler
- Mitchell Harling, bioengineering, “The Metabolic Behavior of M1-Like Macrophages when Treated with Extracts from Anti-Inflammatory Foods,”

- advised by Karissa Tilbury
- Cory Johnson, biology, “Effects of Dietary Fats on Brain-Adipose Communication,” advised by Kristy Townsend
 - Angus Koller, chemistry, “Polyphenol Oxidase and Total Phenolic Content in Honeycrisp Apples Afflicted with Soggy Breakdown,” advised by Barbara Cole
 - Chloe Lilly, bioengineering, “Slippery Paper Diagnostic Devices with Agar-based Bacterial Detection System,” advised by Caitlin Howell
 - Calla Williams, psychology, “Women in Leadership: How Leadership Framing and Social Identity Theory Influence Women’s Leadership Confidence,” advised by Shannon McCoy

For more information, visit the CUGR [website](#) or email cugr@maine.edu.

UMaine awarded \$388,000 for potato breeding program

20 Nov 2017

The U.S. Department of Agriculture’s (USDA) National Institute of Food and Agriculture (NIFA) recently awarded the University of Maine \$388,000 to lead a potato breeding project for the eastern United States. The grant is one of several announced in support of research to increase the productivity, profitability and natural resources stewardship of canola, potato, and alfalfa production systems. The grants are funded through three NIFA programs: Alfalfa and Forage Research, Supplemental and Alternative Crops, and Potato Breeding Research. Under the Potato Breeding Research Program, UMaine will lead a project focused on developing attractive, productive, and disease- and insect-resistant potato varieties that can be grown by small and large potato producers, according to an NIFA news release. Greg Porter, a professor of agronomy at UMaine, is principal investigator on the project titled “Potato breeding and variety development for improved quality and pest resistance in the eastern United States.” Project details are on the NIFA [website](#). The full USDA/NIFA release is [online](#).

DMC recognizes Pugh for education efforts, Lincoln County News reports

20 Nov 2017

[The Lincoln County News](#) reported the University of Maine’s Darling Marine Center recognized Annelissa “Lili” Pugh for her commitment to marine science education as she prepares to leave the position of the center’s K–12 education coordinator in late November. “We are very grateful to Lili Pugh for her dedication and many contributions to the center,” said Heather Leslie, DMC director. For the past six years, she welcomed hundreds of students annually from the Pemaquid Peninsula and beyond to the center for hands-on learning experiences, according to the article. “The greatest compliments I have received are when students tell me that they want to become a marine scientist when they are older,” Pugh said. “Then I know the experience has sparked some new understanding and appreciation for the ocean.” In addition to her on-site programs focusing on marine biology and aquaculture, Pugh and a host of undergraduate and graduate students brought touch tanks to popular community events, the article states.

Miami Herald quotes Allan in article on fraternity deaths

20 Nov 2017

Elizabeth Allan, a professor of higher education at the University of Maine, was quoted in a [Miami Herald](#) article about the rise in fraternity-related deaths. This year, four men pledging fraternities at universities around the country died after parties or initiation events, according to the article. At all four schools — including Florida State University — campus presidents suspended Greek life, the article states. Allan, who also is director of the National Hazing Prevention Consortium, said creating and enforcing policy only goes so far in changing the culture. Her soon-to-be published research shows that visible leadership — from administrators, student organizations and “really anyone who has the courage to stand up and step up,” she said — makes a big difference. The Associated Press also cited Allan in an article on hazing. The Fort Worth Star-Telegram and Austin American-Statesman carried the AP report.

Breece quoted in Morning Sentinel article on worker shortage among municipalities

20 Nov 2017

James Breece, an associate professor of economics at the University of Maine, was cited in the [Morning Sentinel](#) article, “Maine municipal officials worry, prepare for loss of experienced staff amid new worker shortage.” As local governments struggle with filling positions because of a labor shortage and competition for qualified individuals, municipalities might be forced to raise wages, according to the article. Simple economics say as supply goes down and demand goes up, wages will have to rise, the article states. However, “life isn’t that simplistic,” according to Breece. “I wouldn’t immediately say it would lead to a drastic (tax) rate increase, but it could,” Breece said. “I do say action is needed.” The Maine Municipal Association is working with the Margaret Chase Smith Center for Public Policy at UMaine to help member municipalities hire summer interns who can learn about town business, [Morning Sentinel](#) reported. [Mainebiz](#) also reported on the shortage, citing the [Morning Sentinel](#) article.

Maine Public interviews Nightingale about high school physical education

20 Nov 2017

Christopher Nightingale, an assistant professor of physical education and athletic training at the University of Maine, spoke with [Maine Public](#) for a report about Oak Hill High School’s efforts to implement new, proficiency-based graduation requirements. The Wales, Maine school’s physical education department is being held up as a prime example of what this new kind of education should look like, according to the report. The school has started a class called FLiP, which stands for the Fitness for Life Program. Students take standard health classes, but also spend some PE time in the classroom, where they learn about nutrition, muscles and metabolism. By 10th grade, students design personal fitness plans based on their goals, the report states. Nightingale said it’s impressive to see so many students engaged in physical education, which is rare in high school. “It certainly seems like their program has figured out a way to address these things with the students and get them engaged,” Nightingale said. “That’s the goal of physical education, (to) develop what we call physically literate adults.”

Strong speaks with Press Herald for article on ocean acidification

20 Nov 2017

Aaron Strong, an assistant professor of marine policy at the University of Maine, was interviewed by the [Portland Press Herald](#) for the article, “State largely ignores role as seas grow more acidic.” Despite a bipartisan recognition of a threat to Maine’s shellfish industry, leadership on ocean acidification has fallen to a volunteer group of scientists and conservationists, according to the article. “This is a volunteer partnership with no money, but this bottom-up, ‘let’s do it together and see what we can get done’ is kind of a Maine story,” said Strong, who sits on the ad hoc group’s steering committee. “We’re making substantive progress on all the recommendations.” Strong recently attended the United Nations Climate Change Conference in Bonn Germany, the article states. “Being able to work directly with the folks who are working hard on this in other states and countries, that was the most meaningful part of my experience here,” he said. “It’s great to have Maine have a little taste of being part of the world stage.”

Cobo-Lewis, Rooks-Ellis quoted in BDN report on how state is treating children with disabilities

20 Nov 2017

University of Maine’s Alan Cobo-Lewis and Deborah Rooks-Ellis spoke with the [Bangor Daily News](#) for a report on how Maine is treating children with disabilities. A continual state of political flux for more than a decade has reduced the state’s Child Development Services’ (CDS) budget and caused children to go without services to which they’re entitled under federal law, according to the article. Cobo-Lewis, director of the Center for Community Inclusion and Disability Studies at UMaine and an associate professor of psychology, said a change in structure won’t automatically resolve budget challenges and improve services. “I think the problem is that there’s been under-appropriation for a number of years,” he said. “If you keep it where it is without the money, I don’t think it’s going to get any better. And if you move it to K–12 without the money, I don’t think it’s going to get any better there, either.” Maine’s CDS launched Early Start Maine three years ago, based on Early Start Denver, the article states. It’s served more than 150 infants and toddlers with autism in that time, including more than 50 who were receiving the services earlier this fall, said Deborah Rooks-Ellis, director of the Maine Autism Institute for Education Research at UMaine, which trains the educational technicians who work with children. “For autism especially, if they don’t have that early interaction and those opportunities to build communication and social reciprocity and a focus on relationships, they really will be that much more delayed,” said Rooks-Ellis, who also is an assistant professor of special education.

UMaine Extension awarded funds to provide crop insurance education

21 Nov 2017

University of Maine Cooperative Extension is a recipient of one of 24 cooperative agreements recently awarded under USDA’s Risk Management Agency’s (RMA) Crop Insurance Education in Targeted States Program totaling approximately \$5 million. The agency provides funding for organizations in the form of cooperative agreements to provide education and training nationwide. Under this agreement, UMaine Extension will receive \$214,007 to provide crop insurance education to Maine farmers at commodity meetings and workshops throughout the state using Extension newsletters, videos and the Maine Crop Insurance Education website. The outreach effort will keep farmers current on available policies, updates and deadlines, as well as connect farmers to resources. “RMA is pleased to provide this type of educational support to farmers and rural America to help mitigate risk,” says Heather Manzano, RMA acting administrator. “These programs will provide information on Crop Insurance 101, Whole-Farm Revenue Protection (WFRP) and Rainfall Index Insurance.” UMaine Extension vegetable and small fruit specialist David Handley, one of the principal investigators on the project, says the aim of the educational program is to help Maine farmers know how to use crop insurance to protect from disasters that could bring financial hardship or ruin to their businesses.

Online sustainability journal seeking submissions, Republican Journal reports

21 Nov 2017

[The Republican Journal](#) reported Spire, the Maine Journal of Conservation and Sustainability, is seeking submissions for the second issue of the online journal, slated for release in spring 2018. Spire’s editorial team of graduate and undergraduate students at the University of Maine is accepting submissions through Dec. 10. Submissions should concern the environment, conservation and/or sustainability — whether current developments, ongoing issues, scientific findings or artistic insights on environmental themes, according to the article. Perspectives from students and people in diverse careers and fields throughout the state are sought to join the dialogue to influence environmental change, the article states. More information is [online](#).

Camire speaks with BDN about granola

21 Nov 2017

Mary Ellen Camire, a professor of food science and human nutrition at the University of Maine, spoke with the [Bangor Daily News](#) for an article about granola. According to Camire, granola is an example of a healthy food gone bad. “Granola is a very concentrated source of energy and a good source of fiber,” she said. “But commercial brands often don’t properly balance ingredients.” The other issue, Camire said, is that all the grains, oats, berries, nuts and sweeteners in granola add a lot of calories into a small package. “The serving size for granola is generally one-third of a cup,” Camire said, adding that when portion control and care for ingredients is taken, granola can be part of a healthy diet.

Media report on increased out-of-state enrollment, bump in revenue

21 Nov 2017

The Associated Press, [Bangor Daily News](#), [Portland Press Herald](#) and [Mainebiz](#) reported the University of Maine System is getting a bump in revenue thanks to an increase in out-of-state enrollment. The system welcomed 5,727 students from outside Maine this fall, a nearly 11 percent increase from last year, according to the AP. UMaine experienced an increase in enrollment that resulted in an additional \$2.5 million in tuition revenue, the AP reported. According to the Press Herald, UMaine has 3,820 out-of-state students. [The Seattle Times](#) and [WCSH](#) (Channel 6 in Portland) carried the AP report. [Maine Public](#) carried the BDN article.

Missourian interviews Powell for article on term limits

21 Nov 2017

[The Columbia Missourian](#) spoke with Richard Powell, a political science professor at the University of Maine, for an article about term limits for elected officials. Term limits have a lot of measurable consequences that are often unintended by term limit supporters, according to Powell. The biggest effect is that term limits lessen institutional knowledge, the article states. Elected officials aren't around for as long, Powell said, which means lobbyists and bureaucrats often know more about certain pieces of legislation than elected officials. "In that way, term limits decrease democratic accountability because it's not the elected officials that have the expertise to be able to exercise effective oversight over the bureaucracy, but rather the expertise is within the bureaucracy itself," he said.

UMaine awarded grant for potato research, media report

21 Nov 2017

[WABI](#) (Channel 5), [WVII](#) (Channel 7), [Mainebiz](#), The Associated Press and [WAGM](#) (Channel 8 in Presque Isle) reported the U.S. Department of Agriculture's (USDA) National Institute of Food and Agriculture recently awarded the University of Maine \$388,000 for potato research. UMaine will serve as the lead on an eastern United States potato breeding project focused on developing attractive, productive, disease- and insect-resistant potato varieties for large- and small-scale production, WABI reported. Republican Sen. Susan Collins and independent Sen. Angus King announced the grant in a joint [press release](#). "Maine potatoes are a staple in homes around the country and are a testament to the quality of our farmers and small businesses," Collins and King said. "This funding from the USDA will support the University of Maine's cutting-edge research into potato breeding and help the state build on our strong agricultural traditions so we can make Maine potato products more economically resilient. We're glad the Department of Agriculture recognizes the University of Maine's innovative research and our state's important role in the country's agriculture." [U.S. News & World Report](#) and Houston Chronicle carried the AP report.

Gabrielle 'Gabby' Hillyer: drifting with the tides

21 Nov 2017

University of Maine graduate student Gabrielle "Gabby" Hillyer is leading research on Medomak River in Waldoboro, Maine that aims to better understand the dynamics of the estuary's ability to flush out harmful bacteria. After storms with more than an inch of rain, the bacteria can cause the closure of clam flats for a mandatory nine-day period. In such cases, most of the river is off limits to the 175 licensed shellfish harvesters, which can cause economic hardship for extended periods of time. Hillyer, who is pursuing a dual master's degree in oceanography and marine policy, is working on the Medomak River drifter project with Damian Brady, a marine sciences professor at the Darling Marine Center; and Bridie McGreavy, an assistant professor in the Department of Communication and Journalism and a faculty fellow at the Senator George J. Mitchell Center for Sustainability Solutions. Funding for the Medomak Water Quality Partnership comes from the UMaine Research Reinvestment Fund, Maine Sea Grant and the Senator George J. Mitchell Center for Sustainability Solutions' Strengthening Coastal Economies project supported by the Diana Davis Spencer Partnership for a Sustainable Maine. The ultimate goal of the Diana Davis Spencer Partnership is to develop, implement and evaluate solutions to complex problems requiring a careful balance between economic development and environmental preservation. Hillyer is one of six Diana Davis Spencer Scholars selected to work on the Strengthening Coastal Economies project. Hillyer's work is part of a larger effort to build a high-resolution tidal model of the estuary. To do that, she will use the drifter data built up over months of fieldwork, as well as a wealth of bacteria data gathered by the state's Department of Marine Resources and Department of Environmental Protection. "I want this project to support the clamming industry in Waldoboro, which has some of the highest landings values in the state and also some of the most challenging water quality issues," Hillyer says. "I'm hoping the project might lead to changes and improvements in the future regarding the bacterial closures they have there." The full profile on Hillyer and her research is available on the Mitchell Center's [website](#). Contact: David Sims, 581.3244

UMaine Extension to offer free training for agricultural service providers

22 Nov 2017

University of Maine Cooperative Extension will host a free training webinar for agricultural service providers 10:30 a.m. to noon Dec. 8. Agricultural service providers offer expertise related to production, marketing and business planning during one-on-one consultations with farmers. Webinar participants will examine farmers' needs related to communication, decision-making, goal-setting and time management. Presenters include Elaine Bourne, Maine Agricultural Mediation Program director; Leslie Forstadt, UMaine Extension human development specialist; and Abby Sadauckas, co-owner of Apple Creek Farm in Bowdoinham, Maine. They will introduce new resources to service providers that are designed to assist farmers with challenges related to interpersonal skills. A Northeast Sustainable Agriculture Research and Education Professional Development Program grant titled "Focusing on interpersonal relationships for greater farm viability" is funding the training. Register [online](#) by Dec. 3. Participants will receive the call-in number and resources the week of Dec. 4. For more information or to request a disability accommodation, contact Forstadt at 581.3487, leslie.forstadt@maine.edu.

Morse to give oyster harvesting talk in Newcastle, Boothbay Register reports

22 Nov 2017

[Boothbay Register](#) reported Dana Morse, an aquaculture researcher with Maine Sea Grant who works at the University of Maine's Darling Marine Center, will talk about the oyster harvesting process Nov. 28 in Newcastle. From 3 to 4 p.m., Morse will speak at the Lincoln Home about why the Damariscotta River produces some of the best-tasting oysters, according to the article. This event is free and open to the public.

Boston Spirit covers annual Thanksgiving event for UMaine's LGBTQ community

22 Nov 2017

[Boston Spirit](#) magazine cited the Maine Campus student newspaper for a report on the University of Maine's annual Gay Thanksgiving potluck dinner. The event, which is run by UMaine's LGBTQ Services and Wilde Stein: Queer Straight Alliance, is an annual tradition on campus, especially for students who

don't feel comfortable going home for the holidays, according to the article. "For many LGBT students, holidays can be very difficult times," Mark Dube, a graduate assistant at the school's Rainbow Resource Center, told the Maine Campus. "Some go back inside the closet. Some can't go home. That is why we host events like this. It provides LGBT students a place to have a safe and supportive holiday."

Beal speaks with WVII about grant to improve mussel aquaculture industry

22 Nov 2017

Brian Beal of the Downeast Institute for Applied Marine Research spoke with [WVII](#) (Channel 7) about a new grant that aims to improve Maine's mussel aquaculture industry. Beginning several years ago, fishermen started coming to the Downeast Institute because they were having trouble getting mussels to settle on their ropes, WVII reported. "They were looking for a consistent supply of mussels that they weren't getting in the wild," said Beal, who also is a professor of marine ecology at the University of Maine at Machias. "The idea here is to create the infrastructure so that marine scientists and others who want to come and study marine habitat and marine systems have a place to stay," he said.

December CCA performances to include 'Kinky Boots,' several musical groups

27 Nov 2017

The Collins Center for the Arts at the University of Maine is offering a variety of performances throughout the 2017-18 season. The December lineup kicks off with "A Celtic Family Christmas" performed by fiddlers Natalie MacMaster and Donnell Leahy of Canada at 7 p.m. Tuesday, Dec. 5. Tony Award-winning Broadway musical "Kinky Boots" will be performed at 7 p.m. Thursday, Dec. 7. The show about friendship and identity is based on true events and features songs by Grammy-winning pop icon Cyndi Lauper. Jazz pianist and composer Dan Tepfer will perform Bach's Goldberg Variations at 3 p.m. Sunday, Dec. 10 in Minsky Recital Hall. The concert is a selection in the John I. and Elizabeth E. Patches Chamber Music Series. A reception for patrons and artists will follow. Finally, The Oak Ridge Boys will perform their "Christmas Celebration Tour 2017" at 7 p.m. Tuesday, Dec. 19. The show will feature holiday favorites, both contemporary and traditional, as well as some of the country-pop group's original songs. For more details, a complete season schedule, and to purchase tickets, visit the CCA [website](#).

Brewer quoted in BDN article on LePage as he nears end of second term

27 Nov 2017

Mark Brewer, a political science professor at the University of Maine, spoke with the [Bangor Daily News](#) for the article, "LePage keeps making it harder for regular Mainers to know where he's at." In the buildup to the 2018 election, Maine's political spotlight is shifting away from Gov. Paul LePage to the 20-plus candidates who want to replace him, according to the article. Roughly 14 months before his second term ends, the Republican governor has made few appearances for the general public, the article states. Brewer said he has noticed a change in LePage's communications strategy and that the most "jarring" is the end of LePage's radio appearances. "For a long time, those were his primary means of communicating with anyone," said Brewer, who noted that it's not uncommon for a Maine governor to change communication style near the end of his tenure. Brewer suggested any toned-down LePage communications style could be temporary. "I don't see Paul LePage going gently into the good night," he said. "That just doesn't strike me as his personality." Maine Public also carried the BDN report.

Grad student's art featured in Deep Sea News, Edge Effects

27 Nov 2017

Artwork by Jill Pelto, a graduate student in the School of Earth and Climate Sciences at the University of Maine, was recently featured in [Deep Sea News](#). Pelto was included in "The Writing on the Sea-Wall" series which seeks to highlight the skilled artisans and projects that help connect people to science through tangible and impacting messages, according to the article. Pelto, who incorporates climate change data into watercolors, also wrote about her work for [Edge Effects](#).

Fried cited in Press Herald article on Bush's legacy following groping allegations

27 Nov 2017

Amy Fried, a political science professor at the University of Maine, was quoted in the [Portland Press Herald](#) article, "George H.W. Bush's legacy likely to survive several groping allegations." Recently, 10 women have come forward alleging the former president groped them, according to the article. Through a spokesman, he has apologized for some of the incidents and hasn't denied any of them. But presuming no more serious allegations come forward, presidential scholars say the revelations are unlikely to have a lasting impact on Bush's legacy, in part because they have been drowned out in a flood of more explosive allegations against others, the article states. "At this point, based on what's known, it's a blot but not necessarily a huge blot, because most of it is post-presidential," Fried said. "I don't hear many people talking about it or see it take up much space in the news."

Biddle speaks with BDN about rural education

27 Nov 2017

Catharine Biddle, an assistant professor of educational leadership at the University of Maine, was quoted in a [Bangor Daily News](#) article about rural Aroostook County shattering expectations at sending high schoolers on to higher education. The ideal rural school helps bridge the gap between home life and academics, according to Biddle. Making that connection means not only hiring teachers and administrators who understand rural life, but providing health services, school lunches and vocational guidance that would otherwise be inaccessible to students, the article states. "Programs based around that are the ones I've seen be the most successful," she said. Small, rural schools often face challenges stemming from their location: They can be isolated from many of the enrichment opportunities available in urban or suburban regions, the BDN reported. Their size, however, can also be one of their biggest assets, Biddle said, adding that when everyone knows one another, it can be easier to understand what students really need.

Mainebiz quotes Armstrong in article on state's cranberry industry

27 Nov 2017

Charlie Armstrong, a cranberry specialist with the University of Maine Cooperative Extension, spoke with [Mainebiz](#) for an article about the state's cranberry industry. Bloomberg recently reported the nation's cranberry processors are awaiting word from the U.S. Department of Agriculture on whether surplus yields can be composted. The national surplus also is affecting Maine's industry, according to Armstrong. "But the industry is bombarded on all sides from other pressures, too," he said, adding yields are going down and demand hasn't gone up. Despite the challenges, Armstrong said he sees positives in Maine. He said the state's most successful growers are growing other crops as well, and the increasing focus on locally produced food also is helping. "The growers we do have left tell me, 'I'm in this for good. I'm not going anywhere,'" Armstrong said.

Grad student, weed scientist featured in Press Herald

27 Nov 2017

The [Portland Press Herald](#) published a feature article on University of Maine graduate student Sonja Birthisel as part of its "Meet" series. Birthisel, who is pursuing a Ph.D. ecology and environmental sciences student, will be co-teaching an upcoming class at MOFGA on ways to integrate beneficial insects for natural pest control, according to the article. Birthisel will discuss the role predatory ground beetles can play in keeping down weeds, the article states. Birthisel describes Carabid beetles as "the dominant insect seed predator." She said they like to eat seeds that are present on the surface, or that drop right off weeds, but they won't burrow for the seeds you plant. About 18 months ago, Birthisel received a grant from the Senator George J. Mitchell Center for Sustainability Solutions on a research project to help farmers combat weeds without pesticides through methods like mulching or tilling or crop rotations within a season, the article states. "I was making a digital tool to help farmers learn about and engage with weeds," she said. The tool, WEEDucator, is still evolving, Press Herald reported.

BDN interviews Coffin about caring for backyard farm animals during winter

27 Nov 2017

Donna Coffin, a University of Maine Cooperative Extension educator and professor, spoke with the [Bangor Daily News](#) for an article about caring for backyard farm animals during the Maine winter. "In winter, water is the biggest thing," Coffin said. "You need to figure out a way to get fresh water to the animals. There are a hundred different ways to lug water." If the water container is not heated, then it means going out once or twice a day to remove the frozen water and replace it with liquid, according to the article. "If you do use some sort of water heater, make sure it is installed according to the instructions," Coffin said. "You don't want any sparks that could ignite hay or straw and cause a fire." It's also important, Coffin said, that animals have adequate shelter during the winter. "With poultry, you need to make sure the coop is well ventilated," she said. "A lot of times people want to make sure their birds are warm so they close it right up like they are sealing a house." Over-insulating a coop prevents ventilation, allowing the ammonia created by chicken waste to build up, creating an unhealthy environment for birds, the article states. "The rule of thumb is, if you walk into your coop and your eyes start to water, get some fresh air in there," Coffin said.

UMaine, Ready Seafood working to harden lobster shells, Press Herald reports

27 Nov 2017

The [Portland Press Herald](#) reported researchers at the University of Maine and Ready Seafood Co. of Portland are working to examine what influences shell growth in Maine lobsters to see if they can speed up the shell-hardening process in recently molted crustaceans. In Maine, the summer catch is mostly soft-shell lobsters, or shedders, which sell for a lower price per pound than a hard-shell lobster. Hardening the shell could turn a shedder into a more valuable lobster, said Curt Brown, a Ready Seafood scientist. Brown worked with Abby Shaughnessy, a senior in UMaine's School of Marine Sciences, to see if they could grow 1-pound soft-shell Ready lobsters from an initial Grade B shell hardness into a firmer Grade A in a series of one-week trials conducted over the summer at UMaine's Darling Marine Center, the article states. In a typical week, about 35 percent of the test lobsters successfully made the "jump" from a B to an A. But so far, the tests do not reveal any shortcuts — neither diet nor water temperature appears to hasten growth or improve survival, Shaughnessy said. "We found that time is the only factor," she said. "We couldn't speed it up, but we proved upgrading could be done for more than a third of those we tested." Brown and Shaughnessy's honors adviser, UMaine professor Rick Wahle, hope to continue the work at Ready's holding tank facility. "That's the really exciting thing about Abby's work," Wahle said. "It's a college senior's thesis project, and its preliminary results, but if we could figure out a way to make the lobsters we have more valuable, that's really big for Maine."

Wabanaki Creation Cuff to be featured at Basketmakers Holiday Market

27 Nov 2017

The 23rd annual Maine Indian Basketmakers Holiday Market will be held Saturday, Dec. 9, from 9 a.m. to 3 p.m., at the Collins Center for the Arts at the University of Maine. Award-winning members of the Maine Indian Basketmakers Alliance — which focuses on preserving the ancient art of brown ash and sweetgrass basketry and passing on the tradition to future generations — will sell baskets at the free event. Tradition bearers and new artists representing the next generation of weavers will be at the showcase event, as will birchbark artists, carvers and beadworkers. All will have items for sale. In addition to the one-of-a-kind artforms, there will be demonstrations, storytelling, traditional music, dancing and drumming during the day. Attendees are invited to purchase raffle tickets for a chance to win an exquisite piece of jewelry from Decontie & Brown. Jason Brown and Donna Decontie-Brown are married jewelry



designers who draw inspiration from their Penobscot tribal heritage.

.935 argentine silver — is based on the Wabanaki creation story. When the culture hero Glooskap (Gluskap, Gluskabe, Glooscap) shot an arrow into the heart of a basket tree, Wabanaki men and women emerged from the split tree. The tree and the people are interwoven. Raffle tickets are \$5 each and may be purchased at the event and by calling 207.581.1904; proceeds support the holiday market. The schedule is as follows:

Their Creation Cuff — made from brown ash and

- 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. — Children’s dreamcatcher workshop with Lisa Tompkins, Passamaquoddy, in Hudson Museum’s Maine Indian Gallery
- Noon — Basket demonstration with Gabriel Frey, Passamaquoddy
- 12:30 p.m. — Drumming and singing with Chris Sockalexis, Penobscot
- 1 p.m. — Birchbark demonstration with Barry Dana, Penobscot
- 2 p.m. — Burnurwurbskek Singers
- 3 p.m. — Hudson Museum Friends raffle drawing for the argentine silver and brown ash Wabanaki Creation Cuff by Decontie & Brown

For more information, call 207.581.1904. To request a disability accommodation, call 207.581.1226. Contact: Beth Staples, 207.581.3777

Organization selling Christmas trees to benefit scholarship program

28 Nov 2017

Xi Sigma Pi, the forestry honors society at the University of Maine, is holding its annual Christmas tree sale at Nutting Hall through Saturday, Dec. 9. Profits from the sale will fund scholarships for students in the School of Forest Resources and the Department of Wildlife, Fisheries, and Conservation Biology. Hours for the sale are 3–5 p.m. Monday through Thursday, noon–5 p.m. Friday, 8 a.m.–5 p.m. Saturday, and 10 a.m.–5 p.m. Sunday. Trees ranging from 4 to 8 feet tall are available for \$20 to \$45. The trees are from the Charlotte White Center’s Highland Blue Ribbon Trees Program, which provides jobs for persons with disabilities.

Lisbon Falls 4-H participant earns award, Sun Journal reports

28 Nov 2017

[Sun Journal](#) published a University of Maine Cooperative Extension news release about the 2017 4-H awards banquet held in Brunswick. UMaine Extension 4-H in Androscoggin and Sagadahoc counties hosted the event, which attracted more than 45 youth and families. The 2017 Exceptional Accomplishment Through 4-H Award was presented to Jordyn Maloy of Lisbon Falls. The award is the highest honor awarded to an Androscoggin-Sagadahoc 4-H member. Nominees must have excelled in 4-H by completing projects, maintaining the 4-H spirit, and serving in their community or school through extracurricular activities and volunteering.

BDN publishes feature on Engman, Gilded Icon art series

28 Nov 2017

The [Bangor Daily News](#) reported on Kerstin “Kris” Engman, a prolific midcoast painter and sculptor and part-time assistant professor of art at the University of Maine. Engman’s latest project, the Gilded Icon series, includes icon-style portraits of women around the world with important stories to tell, according to the article. “Each one of these is a representation or characterization or illumination of an issue, of an age-old problem, and I don’t think it’s been visually portrayed,” Engman said. She displays the portraits every Saturday at a booth at the United Farmer’s Market in Belfast and has noticed that while men and women might stop to look at them, the women do more than look, the article states. “The women want to know the stories, or they make suggestions about who the next icon should be,” Engman said.

WABI advances #MeToo panel discussion

28 Nov 2017

[WABI](#) (Channel 5) reported the University of Maine will host a #MeToo panel discussion from noon to 1 p.m. Nov. 29 in the Bangor Room of the Memorial Union. The discussion will continue the dialogue that started when the #MeToo campaign went viral to denounce sexual assault and harassment in the wake of allegations against Harvey Weinstein, WABI reported. The event, which is hosted by the Women’s, Gender and Sexual Studies Program, will feature

experts related to legal, advocacy and research perspectives on campus, in Maine and across the country, according to the report. Organizers ask that attendees come prepared to learn, engage and ask questions.

CBC News cites Bayer in report on ‘almost rainbow-colored’ lobster

28 Nov 2017

[CBC News](#) cited statistics from the Lobster Institute at the University of Maine in a report about an “almost rainbow-colored” lobster that was caught in Canada’s Bay of Fundy. Robinson Russell, who caught the lobster, said white lobsters, which lack pigments in their shells, are the rarest you can find. According to the Lobster Institute at the University of Maine, the chances of finding an albino lobster are one in 100 million. However, Bob Bayer, executive director of the institute, said this is just an estimate. “There is no firm statistic on that,” he said. “It is strictly a guess.” Bayer said it is easier to win the lottery than find a white lobster. Although the lobster Russell found is mainly white, it also has hints of other colors including blue and pink.

Winter reminder for campus bicycle riders

29 Nov 2017

With snow likely to fall soon, University of Maine community members are reminded to pick up and properly store bicycles for the winter. Bikes that are hidden under snow can be damaged or destroyed if hit by a plow.

Red Cross-certified UMaine Aquatics program to offer swim lessons for all ages

29 Nov 2017

The University of Maine’s New Balance Student Recreation Center has been designated as an American Red Cross Learn-to-Swim facility, making it one of only four organizations in Maine to offer this official skills-based curriculum. The UMaine Aquatics program joins two other official Learn-to-Swim facilities in Farmington and one in Portland in offering the curriculum approved by the Red Cross to teach specific skills. “Being a Learn-to-Swim facility holds us to a standard that we must achieve to keep this status,” says Adrianna Del Amo, fitness and aquatics coordinator at the recreation center. The program offers a variety of options for all ages and ability levels, including both group and private lessons. These are open to both members and nonmembers of UMaine Campus Recreation. Registration for spring swim lessons opens Monday, Dec. 11. Group programs, taught by Red Cross-certified water safety instructors and lasting 30 minutes, are offered in two sessions per academic semester. Small class sizes result in higher quality instruction, repetition of skills through practice, and a positive learning experience for participants. In the spring, group youth lessons will be offered in four-week sessions with lessons twice a week, and in six-week sessions with lessons once a week. Adult group lessons will be taught in four-week sessions with lessons twice a week. The programs are taught at three different levels for adults, and in three categories for youth: Little Splashers, Pre-School and Learn-to-Swim, which includes four levels. Private lessons also can be scheduled on an individual basis with choice of instructor. Youth private lessons are 30 minutes long, and adult private lessons are one hour long. In addition to the skills-based programs, the center offers four adult aquatic fitness programs: Swim Fit, Swim-Ability, In-Deep Aqua and Aqua Burn. To sign up for lessons, visit the front desk of the New Balance Student Recreation Center, call 581.1082, or register [online](#) starting Dec. 11. For more information on all programs offered, including prices, visit the program’s [website](#) or email Del Amo at adrianna.delamo@maine.edu.

UMaine mentioned in Ellsworth American article on winter shrimp fishing

29 Nov 2017

The University of Maine was mentioned in the [Ellsworth American](#) article, “Odds are tiny for a winter shrimp fishing season.” Members of the Atlantic State Marine Fisheries Commission’s Northern Shrimp Section are scheduled to meet Wednesday to establish dates and landings limits for the 2018 winter shrimp fishing season, according to the article. Most evidence suggests the limit, or total allowable catch, will be zero, and there will be no season at all, the article states. Northern shrimp are a coldwater species. Data collected by scientists at UMaine, NOAA Fisheries, the Gulf of Maine Research Institute and elsewhere show that water temperatures in the western Gulf of Maine — prime shrimp habitat — have increased steadily during the past 10 years and, more recently, “reached unprecedented highs,” according to the commission’s recently released status report. [Mount Desert Islander](#) also published the Ellsworth American article.

Jason Brown imbues modern jewelry with ancestral energy

30 Nov 2017

Jason Brown of Penobscot Nation infuses his contemporary handcrafted jewelry with positive ancestral energy. Brown, who formed Deontie & Brown with wife and partner Donna Deontie-Brown, says it’s gratifying to see people wear their innovative Wabanaki-inspired jewelry and clothing — including leggings, dresses, hoodies and haute couture gowns. “Unfortunately, some people think of us (Native Americans) as being in the past. This places us in the modern world,” he says. Solidly. Brown has sold his artistic creations since childhood; he recalls walking door to door on Indian Island to ask relatives and friends if they’d like to purchase his beadwork pieces. These days, his fan base has broadened considerably. Supreme Court Associate Justice Ruth Bader Ginsburg purchased one of Brown’s necklaces, and took a [photo with him](#), at the 2016 Santa Fe Indian Market. Brown and Deontie-Brown will be selling their luxurious pieces locally at the 23rd annual Maine Indian Basketmakers Holiday Market on Saturday, Dec. 9, from 9 a.m. to 3 p.m., at the Collins Center for the Arts at the University of Maine. A raffle will be held for Brown’s Wabanaki Creation Cuff. The woven brown ash and argenticum silver bracelet depicts the story of Koluskap. According to legend, the culture hero shot an arrow into the heart of a basket tree and Wabanaki men and women emerged from the split in the tree. Wabanaki people remain interwoven with the brown ash tree; they exclusively use brown ash when making baskets and, in Brown’s case, jewelry. Raffle tickets are \$5 each and may be purchased at the event or by calling 207.581.1904; proceeds support the holiday market. “It’s an important show,” says Brown, adding that many kudos go to Hudson Museum director Gretchen Faulkner and Jennifer Neptune at the Maine Indian Basketmakers Alliance for organizing the popular free event. Brown says it’s gratifying to see people be drawn to, and joyfully wear a piece of handcrafted jewelry or clothing. And he feels privileged to share a part of himself, as well as Penobscot culture and history with others. Brown has creation cuffs made with copper and brown ash in the permanent collections of the Maine Historical Society in Portland and Historic New England in Massachusetts. He was introduced to metalwork at Brewer High School and continued developing his talents at the Institute of American Indian Arts in Santa Fe, New Mexico. Brown and

Decontie-Brown will be joined at the holiday market by award-winning members of the Maine Indian Basketmakers Alliance — which focuses on preserving the ancient art of brown ash and sweetgrass basketry and passing on the tradition to future generations. Tradition-bearers and new artists representing the next generation of weavers will be at the showcase event, as will birchbark artists, carvers and beadworkers. All will have items for sale. In addition to the one-of-a-kind artforms, there will be demonstrations, storytelling, traditional music, dancing and drumming during the day. The schedule is as follows:

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- 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. — Children’s dreamcatcher workshop with Lisa Tompkins, Passamaquoddy, in Hudson Museum’s Maine Indian Gallery
- Noon — Basket demonstration with Gabriel Frey, Passamaquoddy
- 12:30 p.m. — Drumming and singing with Chris Sockalexix, Penobscot
- 1 p.m. — Birchbark demonstration with Barry Dana, Penobscot
- 2 p.m. — Burnwurbskek Singers
- 3 p.m. — Hudson Museum Friends raffle drawing for the argenticum silver and brown ash Wabanaki Creation Cuff by Decontie & Brown

For more information, call 207.581.1904. To request a disability accommodation, call 207.581.1226. Contact: Beth Staples, 207.581.3777

Cross-country ski rental packages available for area youth

30 Nov 2017

Maine Bound Adventure Center at the University of Maine is teaming up with the Orono Parks and Recreation Department and Outdoor Sport Institute to offer a cross-country ski rental program for area youth this winter. Children in grades K–8 can rent cross-country skis from December through April at an affordable price. The opportunity provides a way to outfit a growing child without purchasing expensive equipment. Ski packages cost \$65 and include cross-country skis, poles, ski bag and boots. A fitting session will be held 4–5:30 p.m. Nov. 30 at Maine Bound Adventure Center on campus. Attendees are asked to bring a signed registration form. Those unable to attend the fitting session should email signed forms to lisa.m.carter@maine.edu. More information, including the registration form, is on the Orono Parks and Recreation website.

Groden hosts browntail moth workshop in Harpswell, Forecaster reports

30 Nov 2017

[The Forecaster](#) reported Eleanor Groden, a professor of entomology at the University of Maine, recently hosted a workshop in Harpswell to discuss browntail moth control. Groden is currently working with the Maine Forest Service to pinpoint the underlying cause of the invasive moth outbreak throughout the state, and develop environmentally friendly treatments, according to the article. Poisonous hairs on browntail caterpillars can cause mild to extreme allergic reactions in humans, ranging from a rash similar to poison ivy to serious respiratory problems in some people. When Groden met with selectmen at the workshop, she focused on the discovery of a fungus that kills browntail caterpillars, the article states. While the fungus could be effective at naturally reducing the caterpillars’ number in areas such as Harpswell, Groden said she doesn’t see much potential for commercial distribution. The [Portland Press Herald](#) also published the Forecaster article.

WLBZ interviews Blackstone about sexual harassment at work

30 Nov 2017

[WLBZ](#) (Channel 2) spoke with Amy Blackstone, a sociology professor at the University of Maine, about sexual harassment in the workplace. In the wake of the recent sexual misconduct allegations made against many high-profile celebrities and politicians, Blackstone said women coming forward shows progress. “It’s certainly not a new phenomenon, and it’s certainly not due to greater sensitivity,” she said. “I think what’s new is that we are talking about it.” Blackstone has been part of a research group with the University of Minnesota for the past 20 years that focuses on sexual harassment in the workplace, according to the report. “The more that we talk about this, the more comfortable people will be speaking out about it and reflecting on how their behavior might have affected others,” she said. Blackstone also was cited in a [USA Today](#) article about what to do if you have been sexually harassed at work. Telling a trusted co-worker about the incident could be in the victim’s best interest, according to Blackstone.

LA Times quotes Socolow in article on Matt Lauer’s ‘Today’ exit

30 Nov 2017

Michael Socolow, a professor of communication and journalism at the University of Maine, was quoted in a [Los Angeles Times](#) article about how co-host Matt Lauer’s exit from NBC’s “Today” could affect the show’s ratings and morning television in general. One reason Lauer stayed at “Today” for so long is that the morning anchor job has maintained its high profile in the culture while broadcast TV ratings have faded, according to the article. Even as the audience for “Today” declined in recent years, Lauer remained the best-known — and one of the most liked — television personalities, the article states. Lauer’s outsized power was not necessarily healthy for the show, according to Socolow. “The \$20-million-plus network television news anchor is done,” he said. “The Matt Lauer issue is a corporate management problem. And with Lauer gone, so will be the kind of control over personnel and broadcasts that set up these problems.”

UMaine Extension to host 2017 Maine Soil Health Workshop

30 Nov 2017

The University of Maine Cooperative Extension will host the 2017 Maine Soil Health Workshop on Dec. 5 at Governor’s Restaurant in Waterville. Technical service providers, farmers and educators are invited to attend the workshop, which runs from 9:45 a.m. to 2:45 p.m. Registration is required, and the cost is \$25. Sessions will include “A New Understanding of Soil Organic Matter,” “No-Till and Cover Cropping in Corn,” “Reduced Tillage in Vegetable Production,” “Water Infiltration and Runoff Demo, and “Cover Crop Mixes.” Four CCA credits have been requested for the event. The full agenda and more

information, is on the UMaine Extension: Agriculture website. Register online or by contacting Michele Lodgek at 581.2721, michele.lodgek@maine.edu. Registrations after Nov. 29 cannot be guaranteed lunch. For questions about the workshop, contact Ellen Mallory at 581.2942, ellen.mallory@maine.edu.

SPA to present Opera Workshop on Dec. 2

30 Nov 2017

The University of Maine School of Performing Arts will present the fall Opera Workshop showcase at 7:30 p.m. Saturday, Dec. 2 in Minsky Recital Hall. The performance will include a sample of scenes from famous operas that highlight the vocal talents of the students involved, including works by Wolfgang Mozart, Giacomo Puccini, Giuseppe Verdi, Benjamin Britten and Engelbert Humperdinck. Students in the Opera Workshop participate in all aspects of the performance, including designing the costumes, lighting and sets. One of the many ensembles offered by the School of Performing Arts, Opera Workshop allows students to develop their stage presence as well as their vocal talents. "Not only are we challenged to sing very intricate and complex music, but we are also challenged to act and remember staging," says music major Dana Douglass, who has been involved with the workshop for four years and will be performing in Mozart's "Così fan tutte" on Saturday. "It's helped me grow so much as a performer," Douglass says. Isaac Bray, voice instructor at UMaine and director of the workshop, thinks that audiences will find the opera scenes showcased still relevant. "Opera is a beautiful, timeless art form that speaks to many of the social issues that we experience and deal with today," Bray says. Admission is free for all. For more information or to request a disability accommodation, call Bray at 581.1254.

UMaine students compete at Northeast Regional Intercollegiate Dairy Challenge

01 Dec 2017

Five animal and veterinary science students from the University of Maine competed at the 16th annual Northeast Regional Intercollegiate Dairy Challenge in October. Students who are pursuing potential careers in the dairy industry traveled to Auburn, New York to compete in the real-world application event. UMaine representatives included Lauren Guptill of Waldoboro, Maine; Alexandra Banks of Orono, Maine; Hadley Moore of Old Town, Maine; Sadee Mehuren of Searsmont, Maine; and Grant Herchenroether of Naugatuck, Connecticut. David Marcinkowski, associate professor in the School of Food and Agriculture, coached the team. During the three-day competition, students competed in teams to apply theory and their learning to a working dairy farm. Collegiate participants visited three dairy farms in New York as part of their training to help farmers evaluate and adapt management to optimize success and animal care. Also, industry professionals presented cutting-edge research, new programs and career opportunities to students. North American Intercollegiate Dairy Challenge was established as a management contest to incorporate all phases of a specific dairy business. Its mission is to develop tomorrow's dairy leaders and enhance progress of the dairy industry by providing education, communication and networking among students, producers, and agribusiness and university personnel. The national competition will be hosted in Visalia, California in April 2018. A full news release is [online](#).

Inaugural 5K raises funds for 4-H camp, Bethel Citizen reports

01 Dec 2017

The Bethel Citizen reported the inaugural Thanksgiving Day Wobble and Gobble 5K raised about \$4,000 to support programming at the University of Maine 4-H Camp and Learning Center at Bryant Pond. About 60 runners took part in the event. The funds went to the 4-H Learning Center's Harvest for Health Initiative, according to the article.

Mashable quotes Gill in report on use of 'climate change' in grant proposals

01 Dec 2017

[Mashable](#) interviewed Jacquelyn Gill, a professor of paleoecology at the University of Maine, for the article, "To obtain funding, scientists may be avoiding use of the term 'climate change' in research proposals." Recently released data from NPR shows that grants and research proposals from the National Science Foundation using the term "climate change" in the title or summary have dropped by 40 percent this year when compared to 2016, the article states. According to Gill, the decrease is likely a self-preservation tactic. Scientists know that work concerning climate research is closely watched and certain terms flagged, according to the article. Gill said scientists are "often coached to talk about climate change without talking about climate change." She said she worries the balancing act will eventually eliminate climate change from the national dialogue, even though the specific focus areas within climate research will persist.

WVII previews UMMA Winter Art Factory

01 Dec 2017

[WVII](#) (Channel 7) reported the University of Maine Museum of Art will host a Winter Art Factory 11 a.m.–3 p.m. Dec. 2. Attendees of the free, family-friendly event will be able to make stamped wrapping paper, ornaments and holiday cards, according to the report. "Each of the tables is an art station for an art activity," said Kat Johnson, UMMA education coordinator. "Guided instruction will be provided at each station as well as the supplies." Participants also will be able to make paper lanterns that will be illuminated with tea lights during the Festival of Lights Parade in downtown Bangor later that day, the report states.

Brewer speaks with Maine Public about Sen. Susan Collins, tax bill vote

01 Dec 2017

Mark Brewer, a political science professor at the University of Maine, spoke with Maine Public about Republican U.S. Sen. Susan Collins again finding herself in the national spotlight. Collins is under scrutiny as the Senate prepares to vote on a Republican tax bill that rewrites major provisions of the U.S. tax code, according to the report. Collins has hinted that she could support the proposal, but that she's also holding out for some big changes, the report states. "Sen. Collins runs the risk of a serious backlash from the right if she votes no on this," Brewer said. He added Collins can probably weather the backlash at home, but not nationally. "It would tend to bring even more focus on her at a national level, even more ire from national conservative groups," he said.

Fortune cites study on effects of sexual harassment on women's careers

01 Dec 2017

A study published in May by researchers at the University of Maine, Oklahoma State University and University of Minnesota was cited in the [Fortune](#) article, "The hidden victim of sexual harassment: women's careers." Amy Blackstone, a sociology professor at UMaine, is a co-author of the study that found women who were sexually harassed were 6.5 times more likely to change jobs than those who were not harassed. The study found that women who experienced unwanted touching or multiple harassing behaviors reported "significantly greater financial stress" in the subsequent two years, establishing a "clear temporal order between sexual harassment, job change, and financial stress." The study highlights how unwanted, unwelcomed sexual harassment can disrupt the career path of its innocent victims and potentially leave them worse-off financially, Fortune reported. It also underscores the desperate measures that victims are forced to take to escape toxic workplaces, the article states.

UMaine designated as combined heat and power assistance center, media report

01 Dec 2017

[WABI](#) (Channel 5), [WVII](#) (Channel 7), [Decentralized Energy](#) and the Associated Press reported on the recent U.S. Department of Energy decision to select the University of Maine as a regional Combined Heat and Power Technical Assistance Partnership program designee. The funding aims to advance the installation of cost-effective and highly efficient combined heat and power technologies, WABI reported. The goal is to use Maine's natural resources while bolstering the forest products industry and helping create jobs, the report states. "We live in a state with high energy costs and this project will help businesses in Maine, and also other institutions such as hospitals to look at ways where they can reduce energy costs, use their energy more effectively, and also improve their energy reliability," said David Dvorak, a professor of mechanical engineering technology at UMaine. Republican Sen. Susan Collins and independent Sen. Angus King applauded the designation in a joint [press release](#). "CHP technologies provide an exciting opportunity to explore innovative strategies that lower energy costs and strengthen the Maine economy," Collins and King said. "By leveraging our state's natural resources, we can bolster the forest products industry and help create jobs that support our rural communities." The announcement includes \$25 million in DOE funding, which will be disbursed over five years to eight new CHP TAP designees. UMaine is set to receive nearly \$2 million, according to WABI. Maine Public, [The Seattle Times](#), The Kansas City Star, Tampa Bay Times, [The Washington Times](#) and [WMTW](#) (Channel 8 in Portland) carried the AP report.

UMaine designated one of eight DOE combined heat and power centers

01 Dec 2017

The U.S. Department of Energy has selected the University of Maine to lead one of eight regional partnerships dedicated to the promotion, technical support and deployment of cost-effective and highly efficient combined heat and power (CHP) technologies throughout the nation. UMaine, in partnership with the University of New Hampshire and Watson Strategy Group, will oversee the CHP Technical Assistance Partnership (TAP) center in the northeast region, 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. 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 onsite, reducing the need to purchase electricity from the distribution grid, greatly increasing energy security and resiliency. "We are thrilled to be part of this important Department of Energy Program," says David Dvorak, UMaine professor of mechanical engineering technology and principal investigator on the project. "Combined Heat and Power (CHP) systems offer real solutions to today's energy issues — supporting economic development through improved energy efficiency, increased energy resiliency, and lower energy costs." [caption id="attachment_58269" align="alignright" width="450"]



One of two 300 kilowatt steam turbine generators which converts excess steam from UMaine's Steam Plant to produce electricity. [caption] The project is a natural fit within the scope of the School of Engineering Technology. Engineering technology faculty are all licensed professional engineers with advanced engineering degrees that are focused on industry application and applied research. This project will enhance opportunities for faculty and graduate students to provide direct technical assistance to industrial and commercial clients. Other UMaine investigators involved with the project are Scott Dunning, director of the School of Engineering Technology, and Brett Ellis, assistant professor of mechanical engineering technology. Traditional electric and thermal energy generation systems can be very inefficient. In many situations, electricity is purchased from the distribution grid, and additional fuel is used to heat a boiler or furnace to provide heat to a building or facility. However, according to Dvorak, over half of the fuel energy consumed to generate electricity at a large power plant is exhausted as heat energy and often underutilized, even wasted. CHP systems capture the "extra" thermal energy created in power generation and use it to provide heat in any required application — from staving off cold

temperatures in apartment buildings and hospitals, to heating large amounts of water for industrial or food processing purposes. Since the systems are self contained and generate power and heat onsite, the facilities they are installed in can operate independently of the external power grid, thus providing resilience and security in the face of extreme weather events. For example CHP-equipped hospitals, institutions and residential buildings were largely unaffected by power outages caused by Hurricane Sandy, says Dvorak. 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. "We have a strong team of experts at [UMaine] and the University of New Hampshire, and look forward to working together to promote cost-effective energy systems in Maine, New Hampshire and New England," Dvorak says. CHP currently has an installed capacity of over 82 gigawatts of energy, a total representing roughly 8 percent of the nation's total generating capacity. In Maine, CHP accounts for 933 megawatts of the state's generating capacity. According to Dvorak, CHP systems are not as common as they could be, however, there is great potential for expanding the technology in the northeast, and particularly Maine. The technology has the ability to efficiently use the state's abundant forest biomass, adding value to Maine's well established forest industry and the region's natural gas infrastructure is rapidly developing. Coupled with the relative high-cost of energy in the northeast, CHP technology can provide new energy options for the region's more rural populations and industries. The program will offer unbiased information and education regarding potential technology solutions and installation, financing and utility contracts, as well as evaluation of project proposals and economic viability. Dvorak says that engineering plays a critical role in growing the state's economy, however, it's not just through training the next generation of professional engineers. The UMaine-led group will provide critical outreach through education and technical expertise and allow greater access to CHP technology in the region. Contact: Walter Beckwith, 207.581.3729

UMaine Extension publications available as holiday season resources, gifts

04 Dec 2017

University of Maine Cooperative Extension has a variety of publications available to be used as resources or given as gifts throughout the holiday season. Publications include bulletins on feeding birds and building bird houses, holiday food safety, wreath making, and handwashing tips to remember during flu season. Online publications include:

- [The ABCs of Hand Washing](#)
- [Food for Holiday Giving: Safety Comes First!](#)
- [Balsam Fir Tip Harvesting](#)
- [Making Balsam Fir Wreaths](#)
- [Birdhouse Basics](#)
- [Bird Feeding Basics](#)
- [Energy Saver\\$: Tips on Saving Energy & Money at Home](#)
- [Maine Home Energy Series](#)
- [Staying Warm in an Unheated House](#)

Books for sale include:

- ["The New England Gardener's Year"](#)
- ["The Life in Your Garden: Gardening for Biodiversity"](#)
- ["Storey's Guide to Raising Chickens"](#)
- ["So Easy to Preserve"](#)

More bulletins and books are available in the UMaine Extension [Publications Catalog](#). To order, email extension.orders@maine.edu or call 581.3792.

Safety precautions announced for holiday decorating on campus

04 Dec 2017

The University of Maine Safety and Environmental Management Department reminds the campus community to observe the following safety precautions when decorating offices and campus buildings for the holiday season:

- All trees and wreaths must be flame-resistant. No live greenery should be used unless it has been inspected and approved by the Orono Fire Department and SEM.
- Only use decorations that are noncombustible or are labeled "flameproof," "flame-resistant," or "flame-retardant."
- Electric lights or lighted decorations must have Underwriters Laboratories or Factory Mutual approval, be in good repair, and installed according to manufacturer's recommendations.
- No lit candles, open flames, or spark-producing devices are permitted.
- Decorations must not obstruct corridors, stairways, exits, or safety equipment (i.e. exit signs, fire alarm pull stations, portable fire extinguishers, and emergency lights).
- Do not hang decorations from sprinkler pipes or heads.

For more information, call 581.4055.

WLBZ interviews students about student loan debt

04 Dec 2017

[WLBZ](#) (Channel 2) interviewed several University of Maine students about whether they think college debt is worth the investment. According to a recent CNBC report, more than 44 million Americans have student debt. The debt for people in their 20s averages about \$22,000, WLBZ reported. Most of the students the station spoke with said the debt is worth it because they believe the career fields they are entering will allow them to pay off their loans, according to the report.

Rebar cited in BDN article on move to renew nutrition education program

04 Dec 2017

The University of Maine Cooperative Extension was mentioned in a [Bangor Daily News](#) article about a move to renew a nutrition education program for low-income residents. Less than a year after saying it wanted to dismantle the program, the Maine Department of Health and Human Services is working to reinstate it for up to five years, according to the article. The state agency recently published a request for proposals from organizations interested in running the federally funded nutrition education program known as SNAP-Ed, the article states. UMaine Extension, which ran the program for 16 years until 2012, will apply for the contract, according to John Rebar, UMaine Extension's executive director. "We think it's a very important program, and we're looking forward to putting together the best proposal we can," Rebar said.

Climate Reanalyzer featured in Discover blog post on predicted Arctic blast

04 Dec 2017

The Climate Change Institute's Climate Reanalyzer was included in an online [Discover Magazine](#) blog post titled, "Move over record-setting warmth: A brutal blast of winter misery straight out of the Arctic appears to be on its way." An Arctic blast is forecast for the Midwest and eastern United States around Dec. 10, according to the article, while the forecast for the Arctic calls for unusual warmth. A Climate Reanalyzer graph included with the blog displays average forecast temperature anomalies in the Arctic through Dec. 5.

Barron moving to new role in Athletic Department, media report

04 Dec 2017

The [Bangor Daily News](#), [Portland Press Herald](#), WLBZ (Channel 2), WVII (Channel 7) and [92.9 FM The Ticket](#) reported Richard Barron, currently on medical leave as the University of Maine women's basketball coach, has been assigned a new role within the UMaine Athletic Department. For the next seven months, Barron will be a special assistant Karlton Creech, UMaine's director of athletics. "We are grateful that Richard is able to return to work in an administrative capacity at this time," Creech said in a news release. "Richard has many talents that will be able to support our community engagement efforts over the next few months to help grow the Alford Fund and spread the positive message of UMaine athletics." In July, Barron underwent successful craniotomy surgery in at Ronald Reagan UCLA Medical Center in Los Angeles, the BDN reported.

BDN covers wreath-making workshop at Page Farm and Home Museum

04 Dec 2017

The [Bangor Daily News](#) reported on the University of Maine Page Farm and Home Museum's annual holiday wreath-making workshop. The workshops, so popular they are never advertised, fill up fast, according to museum director Patricia Henner. For Henner, who has been helping run the workshops for more than two decades, making wreaths is part of what's lovely about Christmas in the Pine Tree State, according to the article. "We've never had a catastrophic failure," Henner said about making wreaths during the workshops. "They're all unique and beautiful in their own way. Wreaths are very forgiving."

Wahle featured in Radio-Canada report on lobsters, warming waters

04 Dec 2017

Rick Wahle, a research professor at the University of Maine Darling Marine Center, was interviewed by Canadian Broadcasting's [Radio-Canada](#) for a report about American lobster migrating from south to north, as a result of warming waters. A segment of the footage was shot at the DMC waterfront in Walpole where Wahle and graduate students conduct research on the topic.

Biddle writes BDN piece on how to support students in poverty

04 Dec 2017

Catharine Biddle, an assistant professor of educational leadership at the University of Maine, wrote a Maine Focus piece for the [Bangor Daily News](#) titled, "4 ways we can all support students in poverty." Biddle suggests people should assume barriers and access are the issue, assume teachers are doing the best they can, support the expansion of social service coordination for schools and districts, and listen to young people.

Beginning food business workshop in Dover-Foxcroft Dec. 14

05 Dec 2017

University of Maine Cooperative Extension is offering a workshop for people considering a small-scale food business from 9 a.m.–noon Dec. 14 (snow date Dec. 15), at the UMaine Extension office in Dover-Foxcroft. "Recipe to Market: Is It for Me?" will introduce key components of starting a successful food business, including the fundamentals of entrepreneurship, product development, licensing and regulations, and food safety concerns. The course is free to Piscataquis County residents, \$10 otherwise; online registration is required. For more information or to request a disability accommodation, contact 564.3301, 800.287.1491 (in Maine); anette.moulton@maine.edu.

UMaine awarded 2017–2018 CCCC Writing Program Certificate of Excellence

05 Dec 2017

The National Council of Teachers of English announced the University of Maine's College Composition program has won a 2017–2018 CCCC Writing Program Certificate of Excellence. The Conference on College Composition and Communication (CCCC) is a constituent organization within the NCTE.

Established in 2004, the award honors up to 20 writing programs a year. This year, UMaine is one of nine recipients. The College Composition program at UMaine relies on a small pool of instructors to teach a variety of courses that respond to the needs of a diverse student population, according to the NCTE news release. Faculty-administrators of the program have created a carefully thought-out curriculum sequence based on the most up-to-date theory and practices of the field, the release states. This is supported with a well-developed portfolio assessment process and ongoing program assessment measures. The UMaine program will be announced as a recipient of the CCCC Writing Program Certificate of Excellence on March 16 during the 2018 CCCC Annual Convention in Kansas City, Missouri. More information about the CCCC Writing Program Certificate of Excellence is [online](#).

Jackson speaks with WABI at Maine Farmland Trust conference

05 Dec 2017

Tori Jackson, an associate professor of agriculture and natural resources with the University of Maine Cooperative Extension, spoke with [WABI](#) (Channel 5) at a Maine Farmland Trust conference. For the last three years, the conference has been bringing farmers, service providers, and current and future landowners together to make connections and discuss issues related to Maine's changing farmlands, WABI reported. Jackson and several other advisory council members of the Beginning Farmer Resource Network (BFRN), which was co-founded by UMaine Extension, spoke at the conference. Organizers said land access is a major issue in ensuring a strong agricultural economy in Maine and one of the biggest hurdles new farmers face when it comes to finding property they can live and work on affordably while developing a successful business. "Whether it's price, location, conservation easements, all of those things," said Jackson, chair of BFRN.

U.S. News & World Report quotes Allan in article on Greek life on campuses

05 Dec 2017

Elizabeth Allan, a professor of higher education at the University of Maine and founder of the National Hazing Prevention Consortium, spoke with [U.S. News & World Report](#) for an article about whether the benefits of Greek life on college campuses are worth the risks. A string of deaths at fraternities around the country has sparked a national conversation about the future of Greek life, according to the article. "There are a number of models out there to really undertake what we're talking about here, which is a culture shift, and that takes a long time," Allan said. "But you have to start somewhere." Allan has studied the efforts of eight different universities to combat hazing, particularly at fraternities and sororities; her research, undertaken from 2013 to 2016, is due to be published soon. Allan has been studying hazing for more than two decades and the new findings will provide an update to her 2008 study that included survey data from more than 11,000 students and provided one of the first snapshots of the culture on campuses, the article states. When asked how 2017 compares to years past, Allan said this year has been disturbing in terms of the number of deaths and the dynamic that has been made public. "While those dynamics may have occurred in [the past], we as the public didn't have insight into them the same way we do now," she said.

Family Code Night to be held in Washington County

06 Dec 2017

During the first week of December, STEM Guides Downeast is hosting Family Code Night at multiple locations across Washington County. Family Code Night is a free family event at which children in grades 4–8 and their parents do their first hour of coding together. Nationwide, the family-engaging evening events are offered at schools, libraries and community buildings as part of the "Computer Science for All" movement. The event features an introduction to coding using Scratch; introducing students and parents to the limitless possibilities and potential that comes with a career in computer sciences. The events are 60 to 90 minutes long and fully facilitated by the host at each location. More information is [online](#). Remaining events this week:

- 3–4 p.m. Dec. 6 at Washington Academy in East Machias
- 3:30–4:30 p.m. Dec. 6 at Porter Memorial Library in Machias
- 5–6 p.m. Dec. 7 at Peabody Memorial Library in Jonesport
- 5:30–7 p.m. Dec. 7 at EdGE building in Cherryfield
- 6–7 p.m. Dec. 7 at Edmunds Elementary School in Dennysville
- 10–11 a.m. Dec. 9 at Milbridge Public Library in Milbridge

STEM Guides Downeast connects STEM resources and activities to youth age 10–18 and their families in Washington County. STEM Guides Downeast partners include Axiom Education & Training Center, University of Maine Cooperative Extension 4-H and the Maine Mathematics and Science Alliance. Financial support comes from the National Science Foundation.

UMaine Swimming and Diving team collecting goods to send to troops

06 Dec 2017

The University of Maine Swimming and Diving team is raising funds and collecting goods to send care packages to troops deployed overseas. The team plans to have the packages ready to ship by Dec. 8 in hopes they will reach the troops by Christmas. Donations of items are being accepted in offices of the coaching staff at UMaine's Wallace Pool. Requested items include cards, food items, toiletries and UMaine apparel. Monetary donations can be made through [GoFundMe](#). More information, including a full list of recommended items, is available on [Facebook](#) or by emailing Meghan O'Neill at mmo1996@me.com.

UCU campaign to benefit Black Bear Exchange, other campus food pantries

06 Dec 2017

The University of Maine's Black Bear Exchange food pantry and clothing swap is one of several campus organizations around the state that are receiving donations as part of a University Credit Union initiative. Throughout December, UCU is shining a light on food insecurity on Maine campuses and rallying support for the five University of Maine System-based food pantries as they approach the busy winter season. For its "Ending Hunger on Campus in Maine" campaign, UCU aims to raise at least \$7,500 in donated funds and food. To kick off the initiative, UCU donated \$500 to each pantry, including Black Bear Exchange, which is part of UMaine's Bodwell Center for Service and Volunteerism. Donations of nonperishable food items suitable for student living

facilities will be collected at UCU locations across the state in December. Monetary donations can be made by calling 800.696.8628, by mail to UCU, or in-person at any UCU location. Donors may elect to specify a campus food pantry of their choosing; any donations not designated as such will be equally distributed to the five pantries. More about the campaign is [online](#).

Griffin Dill offers tips to BDN on how to keep rodents out of the home

06 Dec 2017

Griffin Dill, an integrated pest management specialist with the University of Maine Cooperative Extension, spoke with the [Bangor Daily News](#) for an article on how to keep rodents from coming into your home this winter. “Some are looking for a warm, protected area to over winter and others are looking for a food source,” he said. “Those are the two main drivers that will attract [rodents] into a home.” Dill said a way to keep mice and rats at bay is to pay close attention to sanitation. “Clean up garbage and food materials so they are not available for rodents,” he said. “You should also go around your house and look for any and all small cracks and crevices that they can use to get in.” Dill said mice and rats only need about a quarter- to a half-inch opening to be able to get into a home. If rodents do get inside, Dill said it is best to take a strategic approach. “You might hear them in the walls or see their droppings or find food missing,” he said. “Look for areas where they are most active if you are going to set traps because mice and rats are pretty smart and they won’t simply run over to the bait on a trap.”

WABI, BDN cover therapy dog visit at Fogler

06 Dec 2017

[WABI](#) (Channel 5) and the [Bangor Daily News](#) reported on the latest visit by certified therapy dogs to the University of Maine’s Fogler Library. The library offers therapy dog visits to give students a mental break during stressful study sessions as the semester winds down, according to the WABI report. “It’s just calming and it takes your attention off of finals for 20 minutes at least,” said first-year student Isabella DiCaro. “They’re nonjudgmental, they’re nonverbal,” said dog handler Julie Ireland. “We spend a lot of time with verbal in our lives and I think being able to communicate with an animal nonverbally is great for adults and kids.” The Associated Press also reported on the visit, citing the BDN story. [U.S. News & World Report](#) carried the AP article.

Jim Dill speaks with WABI about possibility of bugs in Christmas trees

06 Dec 2017

Jim Dill, a pest management specialist with University of Maine Cooperative, spoke with [WABI](#) (Channel 5) for a report about the possibility of bringing ticks or other insects into your home on a Christmas tree. “Getting a Christmas tree at a Christmas tree farm or a roadside operation should not have any concerns to an individual about bringing ticks in with the tree,” Dill said. With the recent temperatures dropping below freezing at night, ticks are not going to be active now, and they don’t live where Christmas trees are grown, WABI reported. While deer ticks are not likely to be on your tree, that doesn’t mean you might not find some other harmless bugs among the branches, the report states. “The thing that we usually see coming in with Christmas trees are little spiders,” Dill said, adding it’s not hundreds, but usually two to four little spiders or an aphid. “There’s nothing there that we’re aware of in this state that is going to be coming off in your Christmas tree that’s going to cause you any real concern in your home,” Dill said.

Media report on UCU initiative to aid University of Maine System food pantries

06 Dec 2017

[WVII](#) (Channel 7) and [WGME](#) (Channel 13 in Portland) reported on a University Credit Union campaign that focuses on food insecurity on Maine campuses. Throughout December, UCU is rallying support for the five University of Maine System-based food pantries as they approach the busy winter season. For it’s “Ending Hunger on Campus in Maine” campaign, UCU aims to raise at least \$7,500 in donated funds and food. To kick off the initiative, UCU donated \$500 to each pantry, including the University of Maine’s Black Bear Exchange food pantry and clothing swap, which is part of UMaine’s Bodwell Center for Service and Volunteerism. “None of us were aware of how big the need is, but we’ve seen research that shows almost half of all college students at one time or another have to choose between food insecurity issues and textbooks, living expenses and other costs of attendance,” UCU president and CEO Matt Walsh told WVII. Downeast Coastal News also published a UCU news release on the initiative.

Students’ biomedical engineering spinoff company receives VentureWell funding

06 Dec 2017

A group of biomedical engineering graduate students at the University of Maine has been selected by nonprofit VentureWell to receive funding and training to develop their medical simulation startup. The students are receiving a \$5,000 grant to help build their spinoff company, Zephyrus Simulation LLC. As part of their senior capstone, the students developed a cost-efficient, realistic simulator to train medical professionals in diagnosing and responding to critical respiratory situations. The funding comes from VentureWell’s E-Team Student Grant Program. VentureWell [announced](#) Dec. 4 it has awarded 18 student teams more than \$200,000 in its winter 2018 cohort. E-Teams receive grants of up to \$25,000 and get training through an early-stage innovator training program. The training provides peer networking, expert coaching, national recognition, and hands-on workshops to move innovations forward. “It is an honor to be selected for the VentureWell program. The E-Team program will undoubtedly help us bring our venture to the next level,” says Patrick Breeding, Zephyrus Simulation’s CEO and a UMaine graduate student in biomedical engineering. The winter 2018 cohort includes 10 teams that are each receiving a \$5,000 Stage 1 grant, and eight teams that are receiving a \$20,000 Stage 2 grant. The teams will attend three-day workshops in Boston; Stage 1 E-Teams will focus on discovering the best market for their inventions, and Stage 2 E-Teams will work to develop and validate their business models. The E-Team Grant Program targets students with an idea or invention that could potentially solve a real-world, social need. Over the past 20 years, more than 700 grants have been given through VentureWell to help teams move ideas out of the lab and into the market. “The Zephyrus team is showing how you can take an idea you have as a student and turn it into a product which can go out into the world and start to help people,” says Caitlin Howell, a UMaine biomedical engineering professor and the team’s adviser. For their biomedical engineering senior capstone design project in 2017, the UMaine students were tasked with creating a pediatric breathing simulator capable of displaying realistic lung and diaphragm movements. Biomedical engineering professors Howell and Karissa Tilbury advised the students — Breeding of East Granby, Connecticut; Banton Heithoff of Oldwick, New Jersey; Amber Boutiette of Skowhegan, Maine; and

Madeline Mazjanis of Portland, Maine. Like Breeding, Boutiette and Mazjanis now are pursuing master's degrees in biomedical engineering at UMaine. Heithoff is a researcher at IDEXX in Westbrook, Maine. The capstone project won the undergraduate Innovation Award at UMaine's 2017 Student Symposium. In October, Zephyrus Simulation, based in UMaine's Foster Center for Student Innovation, won \$500 in the Big Gig pitch event for innovators and entrepreneurs. This spring, the company will compete for the \$5,000 grand prize offered by Big Gig, a partnership of municipalities, universities and organizations in Greater Bangor that works with local entrepreneurs to spur economic growth. Zephyrus Simulation is pursuing a patent for the prototype, and also has received grants from the Libra Future Fund and Maine Technology Institute. VentureWell is a nonprofit organization that supports the creation of an emerging generation of science and technology inventors and the innovation and entrepreneurship ecosystems that are critical to their success. More about VentureWell is [online](#). Contact: Elyse Catalina, 581.3747

Liam Reading: studio art major from Bangor finds inspiration in home state

06 Dec 2017

For his first year of college, Liam Reading of Bangor, Maine attended a school outside northern New England. He soon realized he preferred his home state and discovered he had access to even more resources at the University of Maine. Now Reading is pursuing a major in studio art and minor in art history at UMaine. He also is a student in the Honors College, member of the UMaine Water Polo Club, and a science illustrator at ASAP Media Services on campus. At ASAP Media Services, a student-operated new media research and development organization, Reading works for new media lecturer Mike Scott to develop science illustrations, digital renderings and animations of climate science being conducted at Acadia National Park. When he's not working at ASAP, Reading spends a lot of his time at the Wyeth Family Studio Art Center where he designs and creates laser-cut stencils that he then uses to spray paint murals. Reading has painted several large murals in the Bangor area. Next he plans to create a space-themed mural at the Orono Trampoline Park and another mural in downtown Bangor as a tribute to some well-known Maine figures, such as Stephen King or Andrew Wyeth. In his spare time, Reading also likes to compose music and write lyrics, as well as complete freelance projects such as designing album covers and tattoos, and painting portraits and landscapes. "My heart resides in the realm of philosophy and metaphorical allegorical art that tells stories that can change the way people look at the world," says Reading, who expects to graduate in 2019. "The world is like a guitar and each string is like a passion; there are an infinite amount of patterns to be made, but it helps if each note rings out clearly one at a time so we don't descend into chaos." **Why did you choose to study art?** I chose to study art because my dad is an architect/carpenter and amazing ink and graphite draftsman, and my sister is an incredible eco landscape painter and teacher. My family never deterred me from the arts. In our family, starving artist syndrome never existed. I grew up entranced by watercolor paintings, and in high school began to draw figurative surrealism pen illustrations. I picked art over engineering because of an experience I had when I was 17 in Colorado where I drew and painted landscapes en plein air every day for two weeks. I was hooked. Trying to capture the changing light with Earth-toned Conte chalk as the descending sunlight danced upon the sheer rock cliffs at the Garden of the Gods public park made me realize how timeless and limitlessly invigorating it can be to capture experience with art. **Is there a piece of art you have created while at UMaine that you are most proud of?** I've been working on a 36-by-48-inch oil on linen painting of an old man I met in the woods surrounding Jordan Pond (in Acadia National Park). I had just gone through a difficult breakup, and this big burly man comes hobbling out of the woods holding a wooden carved cane. He was sporting a backward hat and had an incredible scruffy white beard. The man said he could see auras, and he told me that I had a rare aura consisting of streaks of indigo. Apparently this aura he saw signified a pureness of heart and intuition. This encounter prompted me to make my latest painting titled "The Aura Reader," and it's my most inspired piece yet because of how much it correlates to a pivotal experience in my life which impassioned my soul to believe much deeper in cosmic alignment. **Any advice for incoming college students who are considering a major in art?** Some advice I'd give students interested in the arts is that UMaine truly is an incredible option. I went to the Rhode Island School of Design for my first year of college, and I have access to way more resources at UMaine. Life is all about the connections we make, and art exemplifies that. I always keep thinking, sketching ideas, and developing them. It takes time, and technique will come with time, but the power of art lies in its message. **Why UMaine?** I chose UMaine because I genuinely like it here; being surrounded by rivers, lakes, ocean and forests, there is never a shortage of inspiration. I like Maine better than Providence, Rhode Island because it is less developed. I find that the connections I am making here are deeper rooted and more genuine. The facilities here are great with the Wyeth Center right across from the New Balance Student Recreation Center (where I teach swim lessons). But mostly I just love the people who run through this beautiful state. **What are your plans for after graduation?** After I graduate, I hope to work as a muralist and freelance artist creating portraits, landscapes, and surrealist paintings and illustrations. I also aim to get my writing published, accompanied by my illustrations; creating allegories of these precarious modern times. Eventually I hope to open an art gallery/performance space/bar perhaps in the Portland area and truly immerse myself in the artist community. Contact: Elyse Catalina, 581.3747

Design team named for Engineering Education and Design Center

06 Dec 2017

Editor's note: Story updated Dec. 7. The team of WBRC Architects Engineers, based in Bangor, and Ellenzweig, an architecture and planning firm in Boston, has been selected to design the Engineering Education and Design Center at the University of Maine, proposed to be upward of \$80 million. The team, which includes five other Maine firms and five out-of-state specialty consultants, was one of 18 that responded to the request for qualifications for design services this fall. Site selection is scheduled for late April with the schematic design to be completed by this coming summer. Final design should be completed by fall 2019. An estimated \$30 million remains to be raised to make the Engineering Education and Design Center a reality. Significant private fundraising efforts are underway as part of the University of Maine Foundation's Vision for Tomorrow comprehensive campaign. Successful fundraising will allow UMaine to break ground for the new facility in late 2019 or early 2020, with completion projected for 2022. College of Engineering faculty, staff and students, as well as other members of the UMaine community and constituents, will provide critical input in the design process. The Engineering Education and Design Center, which could be up to 120,000 square feet, will help meet Maine's engineering workforce needs and address increased enrollment demands for UMaine's high-caliber engineering programs. The facility is considered critical infrastructure to serve the demand from incoming students and industry needs for graduates. The academic and laboratory building will become the heart of undergraduate engineering education, and the new homes of mechanical engineering and biomedical engineering. A hallmark of the center will be hands-on, team-based laboratories for senior capstone design projects, where students from multiple engineering disciplines will collaborate. Classrooms of various sizes will accommodate group learning as well as some distance learning opportunities for select engineering courses originating at UMaine and shared with other University of Maine System campuses. In early July, the Maine legislature provided \$50 million in debt service for the new building. Taking into account interest costs, the state funding will yield about \$45 million for the building. In addition, UMaine is funding \$5 million of the project. In September, the University of Maine System Board of Trustees approved the expenditure of up to \$1 million to begin the schematic design of the facility. WBRC has been designing buildings on the UMaine campus since 1903, including several projects for the College of Engineering. Ellenzweig focuses on teaching and research laboratories for engineering, science, life sciences and health sciences. For information on giving to the Engineering Education and Design Center project, contact Diane Woodworth and Pat Cummings at the University of Maine Foundation, 207.581.5100. Contact: Margaret Nagle, 207.581.3745

Fall 2017 issue of Maine Policy Review available

07 Dec 2017

Citizen science in Maine is the focus of the newest issue of [Maine Policy Review](#). Maine Policy Review includes independent, peer-reviewed analyses of public policy issues important to the state. It is published by the University of Maine's Margaret Chase Smith Policy Center. The fall 2017 issue is available in print and [online](#).

Annual Dr. Martin Luther King, Jr. Breakfast Celebration Jan. 15

07 Dec 2017

The 2018 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. 15 at Wells Conference Center on campus. The family-friendly event will celebrate King's life and legacy, inspiration, dedication to diversity and social commitment. It will feature food, music and a keynote address. Doors open at 8 a.m. Tickets are \$20; \$15 for children ages 12 and under; free for UMaine students with a valid MaineCard. Online registration will be available in the coming weeks; tickets also will be available at the door until they are sold out. Table sponsorships for organizations are available for \$200 through Jan. 12. For more information or to request a disability accommodation, contact Silvestre Guzman, silvestre.guzman@maine.edu, 581.1437.

Free Press cites economic impact study in report about cruise ships in Rockland

07 Dec 2017

[The Free Press](#) cited a 2016 study conducted by the University of Maine School of Economics in the article, "Rockland ponders the cruise ship question." While no economic impact studies have been done specifically in the midcoast region, the UMaine survey found that respondents spent an average of \$108 each during land excursions in Maine. Over 96 percent of the respondents said they visited at least one store, restaurant or bar. The survey found that cruise ship passengers are highly educated and affluent and most are 50 years of age and older. The town of Bar Harbor also collected \$686,472 in passenger fees last year, the article states.

Morse quoted in Island Ad-Vantages article on new Penobscot Bay scallop farm

07 Dec 2017

Dana Morse, an aquaculture researcher with Maine Sea Grant who works at the University of Maine's Darling Marine Center, was mentioned in an [Island Ad-Vantages](#) article about a new scallop farm in Penobscot Bay. Father-and-son fishermen Marsden and Bob Brewer recently were granted a 3.23-acre experimental aquaculture lease southwest of Andrews Island, which allows them to grow up to 200,000 Atlantic sea scallops using lantern nets, according to the article. Brewer grows the scallops from seed, caught in spat bags while he and Marsden are out lobstering, the article states. While wild scallops must be a minimum of 4 inches long to sell, farm-raised scallops can be smaller, "princess-size scallops," according to Morse. Morse assisted the Brewers on four, 400-square-foot limited-purpose sites to experiment with growing scallops in cages before switching to the lantern net method. The Brewers also were assisted by the University of Maine Cooperative Extension, Island Ad-Vantages reported.

Faulkner essay included in new book on Maine Indian basketmakers, BDN reports

07 Dec 2017

The [Bangor Daily News](#) reported on a new book that focuses on Maine Indian basketmakers and the history of the tradition. David Shultz, the managing director of the Home & Away in Kennebunkport, which specializes in Native American and Inuit art, wrote and self-published "Baskets of Time," according to the article. The book includes an essay by Gretchen Faulkner, the director of the University of Maine's Hudson Museum, to explain the historical context of basket making, the article states. The 23rd annual Maine Indian Basketmakers Holiday Market will be held from 9 a.m. to 3 p.m. Saturday, Dec. 9 at UMaine's Collins Center for the Arts.

Down East magazine recommends 'Historical Atlas of Maine' as holiday gift

07 Dec 2017

The "Historical Atlas of Maine" was mentioned in a December [Down East](#) magazine article about three books to give this holiday season that capture Maine's rich history. The "Historical Atlas of Maine," the result of a 15-year scholarly project led by UMaine researchers, offers a geographical and historical interpretation of Maine, from the end of the last ice age to the year 2000. The volume was published in 2015 by University of Maine Press. It was edited by UMaine historian Richard Judd and UMaine geographer Stephen Hornsby, with cartography by Michael Hermann. The book is unique, according to the article, because it's "an inexhaustible reference work that doubles as a first-class coffee-table book."

Washington Post quotes Fried in article on Trump urging LePage to run for Senate

07 Dec 2017

Amy Fried, a political science professor at the University of Maine, spoke with [The Washington Post](#) for an article about how President Donald Trump is pushing Maine Gov. Paul LePage to run for the U.S. Senate. Trump has told White House advisers that he plans to call Republican LePage, who endorsed him in February 2016, and ask him to run against independent Sen. Angus King in 2018 and offer his endorsement, according to the article. "Angus King is a very strong candidate for re-election," Fried said. "His approval ratings have been high, he takes a lot of care in staying in touch with Maine, and he is a strong, popular independent." However, Fried added that LePage "certainly has a strong base" and high name-recognition. The [Portland Press Herald](#), [Bangor Daily News](#) and [Sun Journal](#) also published The Washington Post article.

Learn effective meeting skills at UMaine Extension workshop

08 Dec 2017

University of Maine Cooperative Extension and Maine Sea Grant announce that a five-session workshop for people seeking to build effective meeting skills begins Jan. 4, at Sanford City Hall, 919 Main St., Sanford. The remaining sessions are scheduled for Jan. 18; Feb. 1 and 15; and March 1 (snow dates are March 8 and 15). Each session runs 1–5 p.m. “Building Skills for Effective Meetings and Group Work” features experiential, hands-on learning to help groups make decisions, solve problems, manage time, meet goals and resolve conflicts. Participants will give and receive feedback with peers in a safe environment. For 20 years, instructor Kristen Grant has created programs that build individual skills and group capacities. She provides interactive, educational programs and works extensively in team settings. The \$125 fee includes instruction, a resource notebook and refreshments. Enrollment is limited to 15; register [online](#) by Dec. 22. For more information or to request a disability accommodation, call 324.2814; or contact Grant at 646.1555, ext.115; kgrant@maine.edu.

Ellsworth American publishes op-ed on North Korea by Curran

08 Dec 2017

[The Ellsworth American](#) published the opinion piece, “Deeper insight needed on North Korea,” by Hugh Curran, who teaches courses in Peace and Reconciliation Studies at the University of Maine.

Potato variety developed by UMaine doing well in stores, WAGM reports

08 Dec 2017

[WAGM](#) (Channel 8 in Presque Isle) reported a new potato variety developed by the Maine Potato Board and University of Maine is selling well at supermarkets. Hannaford began selling Caribou Russet potatoes in November. Bags of the potato variety, which come from Irving Farms in Caribou, are available in 94 stores across Maine and in parts of New Hampshire and Massachusetts, according to the report. Mark Jewell, a category manager of produce at Hannaford, told WAGM that consumers typically buy white potatoes around Thanksgiving, but this year they saw a spike in sales with russets because of the Caribou Russet. Jewell said depending on overall sales, Hannaford could potentially commit to more of the crop next year.

Students volunteering throughout the country with Alternative Breaks

08 Dec 2017

University of Maine students with Alternative Breaks, a student-led organization that promotes community involvement, are spending the upcoming 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 six groups of 11 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 youth homelessness, disaster relief and animals welfare. Throughout the academic year, students participate in a number of service learning, fundraising and team building activities and are engaged with the planning of their upcoming service trips. Each of volunteer service trips is led by a team of undergraduate site co-leaders, many of which have prior experience participating in Alternative Breaks trips. The groups will leave Jan. 13 and March 11 to travel to their respective project locations. Volunteer locations and service projects include:

- [Catholic Charities](#) in Baltimore, Maryland, to work with youth in places such as a Head Start program or in a transitional living facility for families.
- [Frankie’s World](#) in Philadelphia, Pennsylvania, to work with children with disabilities in a day care setting.
- [Greater Greenbrier Long-term Recovery Committee](#) in White Sulphur Springs, West Virginia, to work with families whose homes have been destroyed by natural disasters and cannot afford to rebuild.
- [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.
- [Renovation Alliance](#) in Roanoke, Virginia, to provide free home repairs, upgrades and maintenance to the residents of a low-income community.
- [Woodstock Farm](#) Sanctuary in High Falls, New York, to work with abused and neglected farm animals at a sanctuary dedicated to advocating for animal rights.

This year, Alternative Breaks has launched a crowdfunding campaign to help support their work. More information about Alternative Breaks, the 2018 service trips and their crowdfunding campaign is [online](#). Contact: Walter Beckwith, 207.581.3729

Winter Session to be held Dec. 27–Jan. 16

08 Dec 2017

Now in its third year, Winter Session 2017–18 will offer students [30 online courses](#) including several high demand courses that fulfill general education requirements. Last year over 900 UMaine students completed a Winter Session course — an increase of nearly 40 percent over the previous year. As of Dec. 4, over 1,200 UMaine students were registered for this year’s Winter Session — a more than 30 percent increase over the same time last year. Participation in Winter Session is critical to the [Think 30](#) initiative, which is designed to encourage undergraduate students to complete 30 or more credits per academic year by taking advantage of courses that are offered year-round, both on campus and online. Winter Session spans three weeks — Dec. 27–Jan. 16 — which makes it a demanding and intense learning experience for students. UMaine academic advisers work closely with students who take a Winter Session course. The [Division of Lifelong Learning](#) also is organizing academic support resources, including online tutoring and technology support for students during Winter Session. Information about these resources will soon be available on the [Winter Session Support](#) page. [Tips](#) for succeeding in a three-week online course format were shared with students in the first email announcement for the Winter Session. Teaching in a three-week online format is challenging, as well. The [Center for Innovation in Teaching and Learning](#) (CITL) has offered faculty development workshops focused on instructional tools and strategies for success in the three-week online course format. More information is available on the [Winter Session](#) website or by contacting Khusro Kidwai, associate dean,

Fogler Library hosting scholarly communications conference Jan. 17

11 Dec 2017

The University of Maine's Fogler Library is offering a free scholarly communications conference Jan. 17. "ScholComm 2018" will be held from 9 a.m. to 2 p.m. in University Club, second floor of Fogler Library. The conference will include four workshops that focus on open access publishing, alternative metrics, online researcher identities, and self-archiving with DigitalCommons@UMaine. Light morning refreshments and lunch will be provided. [Online](#) registration is required by Dec. 22, as space is limited. More information about the workshops is on the library's [website](#).

Yarborough speaks with Ellsworth American about Maine blueberry market glut

11 Dec 2017

David Yarborough, a wild blueberry specialist with University of Maine Cooperative Extension, was interviewed by [The Ellsworth American](#) for the article, "Market glut hits blueberry growers hard." This year, many wild blueberry growers in Hancock and Washington counties left portions or entire fields unranked as the price of berries plummeted, according to the article. A market glut, fueled in part by competition from high-bush blueberries, drove prices for Maine blueberries so low that farmers were losing money on their operations, the article states. The prices growers get for Maine's low-bush, wild blueberries have decreased steadily for the past five years, according to Yarborough. In 2012, he said, farmers were getting 76 cents per pound. In 2014, that number was 60 cents. Last year, it was 27 cents. Yarborough said he hasn't heard of large-scale transfers of blueberry land, but he has seen some older farmers who were planning to sell decide to do so this year. "If you can't sell [blueberries] to a processor, what are you going to do with them?" Yarborough asked. "There's only so much of a market for fresh berries ... I think the major challenges are just being able to survive the lower prices and come out of it farming a little differently, a little more efficiently. But you still have to have that market for your berries." [Mainebiz](#) also reported on the glut, citing the Ellsworth American article.

Maine Startups Insider reports on VentureWell funding for students' spinoff company

11 Dec 2017

[Maine Startups Insider](#) reported a medical simulation startup founded by University of Maine students was selected to receive funding and training from VentureWell, a Massachusetts-based nonprofit that supports science and technology entrepreneurs. The company, Zephyrus Simulation LLC, began after a group of biomedical engineering students developed a \$500 prototype of a manikin with a diaphragm that mimics natural breathing patterns, as well as hyperventilation and obstructed breathing patterns, the article states. Its job is to help train medical professionals to diagnose and respond to critical respiratory situations, according to Patrick Breeding, Zephyrus Simulation's CEO and a UMaine graduate student in biomedical engineering. Breeding and his co-founders will receive a \$5,000 grant from VentureWell to help build the company. The funding comes from VentureWell's E-Team Student Grant Program. [Tech.co](#) also published the Maine Startups Insider report.

Fuller cited in Morning Sentinel article on Skowhegan wreath company

11 Dec 2017

David Fuller, an agriculture and nontimber forest products professional with the University of Maine Cooperative Extension, was quoted in a [Morning Sentinel](#) article about business booming at Central Maine Wreath in Skowhegan. Fuller said it's hard to know the full economic impact of fir tipping and wreath making, as the industry is not monitored by the state. "Nobody keeps track," he said. "I'm guessing — just a fairly educated guess — a million to a million and a half wreaths are made a year in Maine. There's no state entity that collects that data, because I don't think it's forthcoming, which makes it really difficult to know its importance in the state. It's a very competitive business, so it tends to be a little private, or guarded." The article also cited the UMaine Extension publication, "Balsam fir tip harvesting." According to the publication, balsam fir has dark green, blunt-ended needles that are about 1 inch long.

Class to focus on growing grapes commercially in Maine

12 Dec 2017

An introduction to growing grapes commercially in Maine is scheduled 10:30 a.m.–3 p.m. Jan. 11, at the Augusta Civic Center, 76 Community Drive. Designed for growers interested in small-scale grape production, topics include basic site requirements and preparation, plant selection and care, trellising and pruning options, and nutrient and pest management. University of Maine Cooperative Extension vegetable and small fruit specialist David Handley, and University of Vermont tree fruit and viticulture specialist Terence Bradshaw will teach the workshop. The \$25 fee includes the manual "Growing Grapes in Wisconsin." Preregister online by Jan. 5. For more information or to request a disability accommodation, contact Pam St. Peter at 933.2100, pamela.stpeter@maine.edu. More information also is online.

Morse to speak at ocean sustainability exhibition, Times Record reports

12 Dec 2017

[The Times Record](#) reported Dana Morse, an aquaculture researcher with Maine Sea Grant who works at the University of Maine's Darling Marine Center, will be the keynote speaker at the Bath Middle School Ocean Sustainability Exhibition. Seventh-grade students will host the event at 7:30 p.m. Dec. 14. The exhibition shares the seventh grade marine ecosystem unit with the public and offers an opportunity for students to showcase projects they have been working on since October, according to the article. Students recently have been exploring questions pertaining to ocean sustainability practices, Maine's marine ecosystems, and the impact of the invasive green crab, the article states.

UMaine open Dec. 12

12 Dec 2017

The University of Maine is open today, with final exams occurring as scheduled. Due to winter weather conditions, members of the UMaine community are urged to use caution when walking and driving on campus.

Cohen Journal accepting submissions for spring publication

13 Dec 2017

The University of Maine's Cohen Journal is now accepting submissions for the 2017–18 issue, slated for release in April 2018. Since 2014, the Cohen Journal has been the official publication of the University of Maine Cohen Institute for Leadership and Public Service. It is a student-based and peer-reviewed journal that aims to provide a forum for UMaine undergraduates, post-graduates and graduates from any academic discipline to present their original research on topics relevant to U.S. domestic and foreign policy and explore the complex issues we face as a global society. Submissions must relate to issues concerning U.S. domestic and/or foreign policy. The journal publishes research articles, policy papers, book reviews and commentary pieces on contemporary issues and affairs. The final deadline for submissions is Friday, Feb. 2. Submissions can be uploaded through the Cohen Journal's Digital Commons [portal](#). For more information, visit the Cohen Journal [website](#) or email questions to cohenjournal@maine.edu.

BDN publishes grad students' op-ed on GOP tax bill

13 Dec 2017

The [Bangor Daily News](#) published an opinion piece by two University of Maine graduate students, titled "GOP tax plan will place greater tax burden on Maine's graduate students." The piece was written by Camerin Seigars, who is studying mechanical engineering, and Walter McCulley III, who is studying psychology. Both are senators in the UMaine Graduate Student Government.

Top Gun entrepreneurship program to include aquaculture startups, MaineBiz reports

13 Dec 2017

[MaineBiz](#) reported the Maine Center for Entrepreneurial Development and its partners are expanding next year's Top Gun entrepreneurship program to include companies in the aquaculture sector. MCED announced applications are now being accepted for Top Gun 2018, an acceleration program that has helped more than 175 startups since 2009, according to the article. Partnering with the University of Maine, Gulf of Maine Research Institute, Maine Aquaculture Innovation Center and Lewiston/Auburn Economic Growth Council, MCED stated in a news release that the 2018 program will accept about 40 companies in total, about 10 companies in each of the 2018 locations: Portland, Bangor, Lewiston/Auburn and Brunswick. MCED stated that due to the support of Gulf of Maine Research Institute, the Brunswick class will be focused on companies in the aquaculture sector, including shellfish and seaweed producers, processors and businesses that provide support services, MaineBiz reported.

Orneville blueberry farm featured in 'Growing Maine' video

14 Dec 2017

University of Maine Cooperative Extension has released the sixth installment of "Growing Maine," a series of short documentaries highlighting Maine food producers and farm families. The latest video in the series tells the story of Worcester's Blueberries, a lowbush blueberry farm in southeast Piscataquis County. With more than 30 summer employees and the off-season crew of two, plus Blue the dog, Lee and Everett Worcester own and manage a blueberry farm in Orneville Township. The Worcesters share the story of how the farm got started, how they balanced careers in education and real estate with being farmers, and how blueberry farming turned from a hobby into a business. UMaine Extension provides the company guidance on growing blueberries and assistance generating value-added products including blueberry jam and salsa. 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. The "Growing Maine" series is [online](#). Viewers also have the opportunity to suggest future story ideas for new videos that will be released throughout the year. For more information, contact Leslie Forstadt at 581.3487, leslie.forstadt@maine.edu.

AP, Boothbay Register advance workshop on growing grapes commercially

14 Dec 2017

The Associated Press and [Boothbay Register](#) reported an introduction to growing grapes commercially in Maine will be held 10:30 a.m.–3 p.m. Jan. 11 at the Augusta Civic Center. The workshop, which is designed for growers interested in small-scale grape production, will focus on basic site requirements and preparation, plant selection and care, trellising and pruning options, and nutrient and pest management. University of Maine Cooperative Extension vegetable and small fruit specialist David Handley, and University of Vermont tree fruit and viticulture specialist Terence Bradshaw will lead the course. Registration is online. San Francisco Chronicle, [Bangor Daily News](#), [WABI](#) (Channel 5), [WLBZ](#) (Channel 2) and The News & Observer in Raleigh, North Carolina carried the AP report.

Crandall, Nelson join team analyzing impacts of winter weather whiplash

15 Dec 2017

If you think Maine's winter weather has been wilder lately you are likely right. Recent volatile shifts in winter weather are likely connected to rapid changes in Arctic weather and sea ice cover. To improve scientists' and communities' understanding of winter weather whiplash, and what it means for seasonally snow-covered landscapes like Maine, the National Science Foundation's National Socio-Environmental Synthesis Center (SESYNC) is funding a new

research working group. Sarah Nelson, director of the Ecology and Environmental Sciences program and associate research professor in watershed biogeochemistry, and Mindy Crandall, assistant professor of forest landscape management and economics, represented UMaine at the kickoff meeting in Washington, D.C. this month. “It was exciting to be a part of such a diverse and thoughtful group of researchers, from biogeochemists to hydrologists to soil scientists. Working at the intersection of natural and social sciences is challenging, but the only way to really represent all the impacts that weather events have on both human and ecological communities,” Crandall said. The collaborators, who came to the meeting from private and public institutions throughout North America, aim to identify winter weather whiplash indicators and analyze how landscapes and communities respond to these events. The group anticipates their findings will serve as a model for seasonally snow covered areas across the globe, and help decision-makers better understand how past and future winter climate change will impact human and natural systems. More information about “Winter Weather Whiplash: Developing Indices of Extreme Winter Weather Variability and Socio-Ecological Responses” is available on the SESYNC’s [website](#).

UMaine chapter of Society of Physics Students nationally recognized

15 Dec 2017

The University of Maine chapter of the Society of Physics Students has earned national recognition. It has been designated a Society of Physics Students Outstanding Chapter for the 2016–17 academic year, the highest level of distinction achieved by fewer than 10 percent of the top chapters annually — 72 of 813 chapters were honored this year.

UMaine Extension ‘Growing Maine’ video series wins regional award

15 Dec 2017

The University of Maine Cooperative Extension video series “Growing Maine” received a first-place, Eastern Region award from the National Extension Association of Family and Consumer Sciences in the area of Television/Video Communications. The video series includes six short-form documentary stories about farmers and food producers in Maine. New stories are added to the collection on a quarterly basis. “Growing Maine” 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. The series is [online](#). Viewers also have the opportunity to suggest future story ideas for new videos that will be released throughout the year. For more information, contact Leslie Forstadt at 581.3487, leslie.forstadt@maine.edu.

2017 Senior Art Exhibition ‘Polychrome’ on display in Lord Hall

15 Dec 2017

The University of Maine opened its 2017 Senior Art Exhibition, “Polychrome,” with a reception Dec. 1 at Lord Hall Gallery. The show, which runs through Feb. 2, features 99 works of art, including paintings, drawings, prints, digital prints, sculpture, ceramics and photographs. The 16 studio art majors displaying work produced all aspects of the exhibition including matting, framing, hanging, labeling and lighting their works, as well as planning the opening reception. Artists include Josh Baker, Cate Burman, Ellen Butler, Jonathan Clapp, Emily Corbett, Sarah Courtright, Jenya Damsky, Dan Dawson, Kevin Faris, J. Rae Ford, Thomas Griffith, McKenzie Hood, Ori LaFevers, Megan Ogden, Phyllis Sabattis and Branden Sy. The gallery is open 9 a.m. to 4 p.m. weekdays. Events are free and open to the public. For more information or to request a disability accommodation, call the UMaine Department of Art at 581.3245.

UMaine Extension video series wins award, Morning Ag Clips reports

15 Dec 2017

[Morning Ag Clips](#) reported the University of Maine Cooperative Extension video series “Growing Maine” received a first-place, Eastern Region award from the National Extension Association of Family and Consumer Sciences in the area of Television/Video Communications. The video series includes six short-form documentary stories about farmers and food producers in Maine. New stories are added to the collection on a quarterly basis.

Inside Science reports on grad student’s research on melting glaciers releasing pollutants

15 Dec 2017

The [Inside Science](#) article, “Melting glaciers release pollutants frozen decades ago,” focuses on research presented by Kimberley Miner, an earth and climate scientist and graduate student at the University of Maine, at a meeting of the American Geophysical Union in New Orleans. Miner’s analysis suggests that people who live in the shadow of melting glaciers and eat fish from nearby streams may be at risk from toxins banned years ago, according to the article. “If the glaciers were not melting, this would just be stored-away history of human interaction with the environment,” she said. “But as it is, we’re seeing this re-emission because of the increased warming.” Miner said she was surprised by the findings, as she had expected her research to offer reassurance that glacier meltwater was safe. She added that the findings represent a first assessment of the issue and will need to be confirmed through more detailed research. AGU’s The Bridge also published two articles by Miner as part of a series written by students who are reporting on the AGU meeting in New Orleans. The articles are “[Using data to inspire: Share science and find the truth in stories](#)” and “[Missing voices: Examining scientific integrity in the age of #metoo](#).”

NY Times op-ed cites mobility aid invented by UMaine professors

15 Dec 2017

A mobility aid that was invented by University of Maine professors was mentioned in the [New York Times](#) opinion piece, “Designing for access.” The Afari Mobility Aid was co-invented by UMaine professors Stephen Gilson, Elizabeth DePoy and Vincent Caccese. The Afari is one of 70 products that will be on display as part of the “Access+Ability” exhibition opening Friday at the Cooper Hewitt design museum in Manhattan, according to the article. The exhibit “highlights the beneficial ways design and technology are transforming the lives of people with different physical, cognitive and sensory abilities,” the article states. The article describes many of the pieces that will be on display, including the Afari. When in use, the aid “just looks as if you’re walking your bike instead of riding it,” the article states.

Washington Post, Chicago Tribune publish Socolow's view on net neutrality decision

15 Dec 2017

[The Washington Post](#) and [Chicago Tribune](#) published the opinion piece "Why Ajit Pai is wrong about net neutrality," by Michael Socolow, an associate professor of communication and journalism at the University of Maine. [The New York Times](#) also cited the piece in the article, "Right and left react to the F.C.C.'s vote on net neutrality rules," and Socolow spoke about the topic on [Maine Public's](#) "Maine Calling" radio show.

Down East interviews Bicks about similarities between Stephen King, Shakespeare

15 Dec 2017

The January 2018 edition of [Down East](#) magazine features an interview with Caroline Bicks, the Stephen E. King Chair in Literature at the University of Maine. For the article, "How now, Stephen King?," Bicks was asked about similarities between the Maine horror author and William Shakespeare. Bicks spoke about her current research looking at how the minds of Shakespeare's female characters get activated when they near or pass through puberty. "King is clearly drawn to the brainwork of these girls as well," she said. "I think of Carrie as a darker version of Juliet Capulet. Both are capable of imaging romantic fantasies and brain-dashing scenes of horror." She said what makes both writers "masters of terror is their ability to prey on our imaginations and take us inside the suffering minds of their protagonists."

UMaine makes news, and gives it context

15 Dec 2017

Local and international media regularly tap University of Maine faculty, staff and students for their expertise and research findings. Media outlets from the Machias Valley News Observer to the Los Angeles Times and from Down East magazine to Fortune magazine wrote about or cited UMaine newsmakers and research this fall. Story topics ranged from term limits to migraines and from shell middens to the opioid crisis. Following is a sampling from the [UMaine in the News](#) roundup on the university [website](#) in recent weeks.

- [Down East magazine recommends 'Historical Atlas of Maine' as holiday gift](#) (Dec. 7, 2017)
- [Wahle featured in Radio-Canada report on lobsters, warming waters](#) (Dec. 4, 2017)
- [Fortune cites study on effects of sexual harassment on women's careers](#) (Dec. 1, 2017)
- [WVH previews UMMA Winter Art Factory](#) (Dec. 1, 2017)
- [LA Times quotes Socolow in article on Matt Lauer's 'Today' exit](#) (Nov. 30, 2017)
- [Biddle speaks with BDN about rural education](#) (Nov. 27, 2017)
- [Missourian interviews Powell for article on term limits](#) (Nov. 21, 2017)
- [Maine Public interviews Nightingale about high school physical education](#) (Nov. 20, 2017)
- [WABI reports on Police Department's presentation of lifesaving awards](#) (Nov. 16, 2017)
- [Maine Public, international media interview Borkum about migraine research](#) (Nov. 13, 2017)
- [Washington Post publishes op-ed by communication, journalism grad student](#) (Nov. 9, 2017)
- [Yekasi discusses East Asian relations on Maine Public's 'Maine Calling'](#) (Nov. 2, 2017)
- [Maine Public reports on UMaine research that links flu, muscle damage](#) (Oct. 27, 2017)
- [Blackstone quoted in Sun Journal article on #MeToo campaign](#) (Oct. 23, 2017)
- [New York Times reports on Kelley's Maine shell midden research](#) (Oct. 20, 2017)
- [Boston Globe speaks with Provost Hecker about Flagship Match](#) (Oct. 19, 2017)
- [LaBouff speaks with Press Herald about schools using Native American imagery](#) (Oct. 17, 2017)
- [Barkan, Glover featured in BDN editorial on violence in America](#) (October 5, 2017)
- [Statistics compiled by Sorg cited in Kennebec Journal article on Maine's opioid crisis](#) (Oct. 5, 2017)

Farming in new weather reality focus of panel discussion

18 Dec 2017

Farmers are invited to a panel discussion and networking event about farming in a new weather reality 1:50–4 p.m. Jan. 9 in the Hancock Room of the Augusta Civic Center, 76 Community Drive. The session will open with a panel of experienced Maine crop and livestock farmers who will discuss how changes in weather patterns have affected their operation, how they have adjusted, and needs for coping better in the future. Ellen Mallory, a University of Maine School of Food and Agriculture associate professor and UMaine Extension sustainable agriculture specialist, will moderate the session. All farmers are encouraged to share their own experiences, strategies, and needs during an open discussion. Service providers and policymakers will describe what resources are currently available in Maine to help farmers manage issues related to weather. The free panel and discussion will be held during the Maine Agricultural Trades Show. One pesticide credit will be offered. The event is sponsored by the [Maine Climate and Agriculture Network](#) and Maine Sustainable Agriculture Society. For more information or to request a disability accommodation, contact Mallory at 581.2942, ellen.mallory@maine.edu.

Maine Space Grant Consortium Graduate Research Fellowship winners announced

18 Dec 2017

The University of Maine's Center for Undergraduate Research (CUGR) and the Maine Space Grant Consortium (MSGC) have announced the 2018 MSGC Graduate Research Fellowship Award recipients. 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 focus of proposed projects must be aligned with the research priorities of NASA's Earth and space science strategic

enterprises. Selected projects will be awarded \$6,000 each. The winners are:

- Alison Chase, Ph.D. in oceanography, advised by Emmanuel Boss
- Matthew Moyet, Ph.D. in ecology and environmental sciences, advised by Howard Patterson
- Francis Barnes, Ph.D. in chemistry, advised by Howard Patterson
- Aaron Nicholas, Ph.D. in chemistry, advised by Howard Patterson
- Robert Morefield, master's degree in zoology, advised by Heather Hamlin
- Adrienne Lovuolo, master's degree in civil and environmental engineering, advised by Shaleen Jain

More information about the fellowship and MSGC is available on the CUGR [website](#) or by emailing cugr@maine.edu.

Maine Indian Basketmakers Holiday Market mentioned in Press Herald article

18 Dec 2017

The annual Maine Indian Basketmakers Holiday Market held at the University of Maine was mentioned in the [Portland Press Herald](#) article, "Bar Harbor to host Northeast's biggest Native American marketplace." From May 18–20, the Abbe Museum will host a three-day juried American Indian art market in downtown Bar Harbor, creating more exposure for Native American art and artists from Maine and the Northeast, according to the article. Maine is home to many small American Indian festivals and fairs, the article states, citing the Hudson Museum's Maine Indian Basketmakers Holiday Market as a good example. But a large-scale juried art show that encompasses a range of arts and attracts artists and audiences from across North America is unusual if not unprecedented in the Northeast, said Cinnamon Catlin-Legutko, Abbe Museum president and chief executive officer.

Master Gardener program accepting applications, Mount Desert Islander reports

18 Dec 2017

[Mount Desert Islander](#) reported applications for the 2018 Master Gardener Volunteer training are now being accepted at the Hancock County office of the University of Maine Cooperative Extension. The training will run on Friday mornings from Jan. 19 through May 18. The purpose of the Master Gardener program is to prepare volunteers to do gardening-related volunteer work in the local community, according to the article. After completing the 18-week intensive course in fruit, vegetable and ornamental gardening, volunteers are expected to give at least 40 hours within one year on an already established community project, the article states. More information, including registration, is [online](#).

UMaine Extension bulletins cited in Press Herald column on native holiday plants

18 Dec 2017

University of Maine Cooperative Extension bulletins were cited in the latest column in the [Portland Press Herald](#) "Maine Gardener" series. The article, "Add native plants for holly jolly Christmas for people and wildlife," suggests winterberry and mountain holly to provide snacks for animals and uplifting color for humans. While wildlife will eat the berries from evergreen hollies, they prefer winterberry fruit, the article states. According to the UMaine Extension bulletin on winterberries, more than 43 species of birds eat the berries. Another Maine native, mountain holly, grows in the same places as winterberry. According to another UMaine Extension bulletin, wildlife eat the mountain holly's berries in early fall, meaning they might not be around through the winter.

Waldoboro fisherman receives award for contributing to research, VillageSoup reports

18 Dec 2017

[VillageSoup](#) reported Waldoboro fisherman Glen Melvin and the Medomak River Task Force recently received a Sen. George J. Mitchell award for "outstanding contribution by an external partner to sustainability research." The award was given to acknowledge Melvin for his help with the drifter project led by UMaine graduate student Gabby Hillyer, who is pursuing a dual master's degree in oceanography and marine policy. The project uses "bucket drifters" packed with scientific instruments that take the measure of the tides — research aimed at better understanding the dynamics of the Medomak River estuary's ability to flush out harmful bacteria that, in the wake of rainstorms of more than an inch, close clam flats for a mandatory nine-day period, according to the article. The task force is made up of a group of people and agencies determined to clean up Medomak River, the article states. "It's been a privilege to work with them, and being able to accept this award that recognizes the work of this project is an honor," Melvin said.

BDN quotes Socolow in article on anonymous Maine 'news' websites

18 Dec 2017

Michael Socolow, an associate professor of communication and journalism at the University of Maine, was quoted in the [Bangor Daily News](#) article "This anonymous Maine 'news' site may have tipped a big election." The article states that Lewiston mayoral candidate Ben Chin may be the first Maine politician derailed by anonymous, conservative "news" websites that mix a kernel of truth from opposition research with large factual and rhetorical leaps traditional media ethics would prohibit. Socolow said "the delegitimization of the credible press has opened the playing field to a lot of alternative information outlets" that may look like news sites but that operate little like them. "Some information outlets are propaganda, some information outlets are credible, some information outlets know the rules of attribution and some don't," he said.

Bangor Metro interviews photographer ahead of UMMA exhibit opening

18 Dec 2017

[Bangor Metro](#) published a Q&A with Caleb Charland, a world-renowned photographer from Hampden, Maine. Charland now lives and works in Brewer, the article states, and his next show, "Shadows of Earth," opens Jan. 12 at the University of Maine Museum of Art in Bangor. Charland uses the basic elements of science and everyday visual phenomena to create vivid photographs of simple things like plants, light bulbs, toys, glass and metal, according to the article.

“Photography is scientific, in a way,” Charland said. “But you’re capturing and recording things, not actually constructing something by hand, like you would if you were painting. I wanted to do that with photography.”

AP advances panel discussion on farming in new weather reality

18 Dec 2017

The Associated Press reported a panel discussion and networking event about farming in a new weather reality will be held Jan. 9 during the Maine Agricultural Trades Show at the Augusta Civic Center. The event, which will run 1:50–4 p.m., will open with a panel of Maine crop and livestock farmers discussing how changes in the weather have affected their operations, and how they have adjusted, according to the article. Ellen Mallory, a University of Maine School of Food and Agriculture associate professor and UMaine Extension sustainable agriculture specialist, will moderate the session. The Maine Climate and Agriculture Network and Maine Sustainable Agriculture Society are sponsoring the event, the article states. [U.S. News & World Report](#), [The Washington Times](#) and [Bangor Daily News](#) carried the AP report.

Achieving sustainable resource use attainable through science of cooperation, theory states

18 Dec 2017

A new theory explains how societies can achieve environmental sustainability by nurturing cooperation. It is detailed in a series of articles recently published in a special issue of the journal [Sustainability Science](#). The theory was developed by Tim Waring, associate professor in the School of Economics and the Senator George J. Mitchell Center for Sustainability Solutions at the University of Maine, and colleagues. “Sustainability is serious, but sustainability science is not yet a serious science. Right now, to build sustainable solutions we are reinventing the wheel every time. To avoid that, we need a theoretical framework that allows us to compare cases and accumulate insight so we can get to better solutions faster,” Waring says. Achieving sustainable resource use is almost never a win-win situation. More often, it requires individuals to accept some kind of personal cost such as reducing consumption, changing habits, or contributing extra effort. This is cooperation. “We know cooperation matters in managing the environment,” Waring says. “We also know that institutions can make cooperation easier. This new research shows where both factors emerge and why.” The new research detailed in Sustainability Science examines cases of environmental management from around the world to discover common patterns that help cooperation and sustainable solutions grow. The special issue includes two iconic examples from Maine that show how cooperation makes a difference — lobsters and blueberries. In the lobster industry, competition between groups of lobstermen gave rise to strongly defended territories and encouraged group members to restrict their harvests. This restraint is a type of cooperation, and it helped lobstermen maintain their lobster populations and livelihoods. Cooperation saved the Maine blueberry industry, too. Blueberry growers never needed to cooperate until a major pest outbreak and economic crisis forced their hands. In a landmark effort, the blueberry industry agreed to tax themselves to support crop research and avoid future crises — a cooperative solution that has worked well. Despite their differences, blueberries and lobsters tell a similar story. “In both cases, the stakes for failure were high, the costs fell most heavily on groups, and those groups learned from other successful groups allowing sustainable practices to spread,” Waring says. “This is why theory matters. By testing and refining the theory we can become better at nurturing cooperation and building sustainable societies.” What is the best recipe for growing environmental cooperation? Waring says his “ingredients” for growing environmental cooperation include “a population of tight-knit groups, under high pressure to preserve resources, who have the power to manage them, and who learn from each other’s successes and failures.” Contact: David Sims, 207.581.3244

Beginning Farmer Conference to be offered at 2018 Maine Agricultural Trades Show

19 Dec 2017

The Beginning Farmer Resource Network (BFRN) will host free workshops and talks during the Maine Agricultural Trades Show, Jan. 9–11 at the Augusta Civic Center, 76 Community Drive. Designed to help new and aspiring farmers understand the programs and services available, the Beginning Farmer Conference starts at 9 a.m. Jan. 10 with a panel discussion, “What Does it Mean to be a ‘Beginning Farmer’ from 2018 to 2028?” Farmers and service providers will discuss typical challenges and growth phases in the first 10 years of any farm business. The panel will be followed by a talk by author and farmer Lucie B. Amundsen, co-owner of Locally Laid Egg Company, a family-run farm in Wrenshall, Minnesota. Seven hands-on workshops will be held Jan. 10 and 11 on topics such as accessing farm capital and how to start a specialty food business in Maine. Participants are encouraged to bring laptops, notebooks and farm records to work on projects specific to their needs. According to the most recent USDA Census of Agriculture, nearly one-third of Maine farmers have 10 or fewer years of experience operating their present farm — the definition of a beginning farmer. “Starting a farm is not an easy or clear process, so we hope to make the path simpler and streamlined for Mainers who are still in their first decade of farming,” says Tori Jackson, University of Maine Cooperative Extension educator and BFRN chair. “UMaine Extension is one of 25 agricultural agencies and organizations working together to expedite the opportunities for aspiring and beginning farmers, and helping them connect to resources for farm business success.” The Maine Federation of Farmers’ Markets (MFFM) also is opening its 10th annual convention luncheon and keynote to Beginning Farmer Conference attendees on Jan. 11. The keynote, “Hacking the Local Foodshed: Why Farmers’ Markets Matter More Than Ever,” will be delivered by Philip Ackerman-Leist, professor of sustainable agriculture and food systems at Green Mountain College. Cost for the luncheon and keynote is \$18 per person. Email Lynne Hazelton, lynne.b.hazelton@maine.edu to register. More information is [online](#). To request a disability accommodation, contact Jackson at 353.5550, or Stephanie Gilbert at 287.7520, stephanie.gilbert@maine.gov.

Republican Journal advances small homes talk at Hutchinson Center

19 Dec 2017

[The Republican Journal](#) reported local contractor Jim Bahoosh will give a free public lecture Jan. 19 at the University of Maine Hutchinson Center in Belfast. Bahoosh, who builds small, efficient homes, will speak from 5:30 to 7 p.m. His presentation will focus on the design and construction of small homes and ways to use space efficiently to live comfortably and achieve a healthy indoor environment, according to the article. He also will provide information to help people decide whether a small house is a good fit for them, the article states.

Sun Journal cites UMaine study in article on treating Maine roads in winter

19 Dec 2017

A 2010 [study](#) by the Margaret Chase Smith Policy Center at the University of Maine was cited in the [Sun Journal](#) article, “Treating Maine roads in winter makes them safer, but takes a toll on vehicles.” The study, which the article refers to as the most comprehensive look at anti-icing issues, found that improved road clearing in the winter led to greater mobility for Mainers and “significantly fewer crashes.” However, the study acknowledged that corrosion from deicing salts is widespread and costly. By increasing the number of “freeze-thaw cycles,” it likely accelerates the deterioration of concrete and pavement as well, the article states. “Abundant anecdotal evidence in Maine tells us that vehicle corrosion on cars and trucks is more prevalent than a decade ago,” the study states. Experts cited in the study said salt’s impact also can be seen on trees and vegetation along the roads, according to the article.

Media report on study that links climate change, record snowfall in Alaskan mountains

19 Dec 2017

[Reuters](#), [Daily Mail](#), [The Washington Post](#), [Newsweek](#), [The Weather Channel](#), [VICE News](#), [Scientific American](#), [The Straits Times](#) and [Business Day](#) reported on a new study conducted by researchers from Dartmouth College, the University of Maine and the University of New Hampshire. The study, which was published in the journal *Scientific Reports*, found snowfalls atop an Alaskan mountain range have doubled since the start of the industrial age, evidence that climate change can trigger major increases in regional precipitation, Reuters reported. The study shows modern snowfall levels in the Alaska Range at the highest in at least 1,200 years, averaging some 18 feet per year from around 8 feet per year from 1600–1840. The research was based on an analysis of two ice core samples collected at 13,000 feet from Mount Hunter in Alaska’s Denali National Park. The study suggests that warming tropical oceans have driven the increased snowfall by strengthening the northward flow of warm, moist air, the Reuters article states.

Dagher, composite bridge system cited in Kennebec Journal, Morning Sentinel book review

20 Dec 2017

Habib Dagher, executive director of the University of Maine’s Advanced Structures and Composites Center, and the composite bridge technology created at the center were cited in a [Kennebec Journal and Morning Sentinel](#) book review of “How Maine Changed the World” by Nancy Griffin. The book presents a history of 50 Mainers, including Dagher, who have made contributions to the country and world, according to the review. Under Dagher’s leadership, the UMaine Composites Center invented and designed Bridge-in-a-Backpack, a composite beam bridge system. It reduces construction time, lowers costs and doubles the lifespan of bridges, and is now sold worldwide, according to the article. Dagher has won national awards for his leadership.

Postdoctoral research fellow writes BDN op-ed on national parks

20 Dec 2017

Caitlin McDonough MacKenzie, a postdoctoral David H. Smith Conservation Research Fellow at the University of Maine, wrote an opinion piece for the [Bangor Daily News](#) titled, “National parks belong to Americans. They should remain accessible to all.” MacKenzie studies alpine and subalpine plant communities, climate change and conservation across New England.

UMaine Extension website mentioned in BDN article on houseplants

21 Dec 2017

The article “Winter care of houseplants” that is hosted on the University of Maine Cooperative Extension website was cited in a [Bangor Daily News](#) report on how to choose and care for houseplants. Pests are a common reason for the demise of houseplants, the BDN reported. Spider mites, mealybugs, aphids and scale insects are all typical pests of houseplants in Maine, according to the UMaine Extension article by Kyle Fletcher Baker, a master gardener from Durham. In the article, Baker describes ways to get rid of the different pests, which vary from drenching the plants in a hot shower to using insecticidal soaps and sprays.

Fried quoted in Morning Consult article on congressional GOP leaders

21 Dec 2017

Amy Fried, a political science professor at the University of Maine, was quoted in the [Morning Consult](#) article, “Shifting opinion of GOP leaders signals risks ahead of midterm elections.” Data from Morning Consult/Politico tracking polls show House Speaker Paul Ryan and Senate Majority Leader Mitch McConnell experienced 16-point and 14-point drops, respectively, in net favorability this year — larger dips than their Democratic counterparts, according to the article. The ebbs in popularity come as voters have grown less trusting of congressional Republicans to handle the challenges facing the country, the article states. That decline in trust is a reflection of the GOP’s handling of their two key agenda items this year — overhauling the health system and rewriting the tax code — according to Fried. “The two biggest policy efforts Republicans have worked on have been very unpopular; health care and the tax bill are both really unpopular,” she said.

National Geographic speaks with Hornsby about vintage Santa map

21 Dec 2017

[National Geographic](#) interviewed University of Maine geographer Stephen Hornsby about a vintage map of Santa’s journey around the world. The map, titled “A World of Good Wishes at Christmastime,” was produced in 1955 by General Drafting Company, a now-defunct maker of road maps, according to the article. It appears in Hornsby’s latest book, “Picturing America: The Golden Age of Pictorial Maps.” “It’s just a classic,” Hornsby said of the map. “It’s great fun and very imaginative.” Like many pictorial maps of the mid-20th century, the map is brimming with American confidence, according to Hornsby. “I’m English and to me this just seems so American,” Hornsby said. “It reflects that secure, middle-class American world view of the 1950s.”

BDN quotes Keim in article on adult education

22 Dec 2017

Karen Keim, director of the Maine Educational Opportunity Center at the University of Maine, was interviewed by the [Bangor Daily News](#) for an article about adult education in Maine. If state policymakers want to boost the share of residents with college degrees, experts say, they should look to the roughly 175,000 Mainers over 25 who started college but didn't finish, the BDN reported. "I've been doing this work for 24 years with adults, and they were the hardest for me to get them back, to think that they could even do it," said Keim, who manages federal programs to provide counseling and support to adults seeking to start or return to college. Keim said the mental and emotional barriers to returning to school add to the practical challenges, such as transportation and finances. "Exposure to college is going to improve their income," she said. "But if they didn't finish, then all they've got is debt."

Maine Public interviews Wells about toxic algae bloom

22 Dec 2017

Mark Wells, a professor of marine sciences at the University of Maine, spoke with [Maine Public](#) for the report, "Shellfish harvesters, scientists wrestle with 'unprecedented' closures amid toxic algae bloom." For the first time, a pseudo-nitzschia bloom is plaguing a large swathe of Casco Bay, which has been closed to shellfish harvesting for nearly three weeks, according to the article. The biological characteristics of the particular strain of pseudo-nitzschia in question — pseudo-nitzschia australis — are not well understood, Maine Public reported. "The reason they produce the toxin, we just don't know," said Wells, who has been studying toxic blooms on the West Coast for years. He said the recent East Coast blooms may be associated with temperatures in the Gulf of Maine's waters, which are warming faster than most water bodies worldwide. "We're wondering whether the warming in the surface may actually be selecting more for pseudo-nitzschia, so that in the fall, when the bloom happens, there's more of a chance that pseudo-nitzschia will be the ones that are blooming," Wells said. [Smithsonian.com](#) also reported on toxic algae blooms, citing the Maine Public report and Wells.

Journal Tribune runs Associated Press notice about beekeeping classes

27 Dec 2017

The [Journal Tribune](#) posted an Associated Press announcement about a variety of University of Maine Cooperative Extension beekeeping courses offered around the state, beginning in January. Beginner and intermediate courses are scheduled and topics include hive management and honey production. People interested are invited to register [online](#).

Media carry AP announcement about grape-growing workshop

27 Dec 2017

[U.S. News & World Report](#) and the online [Morning Sentinel/Kennebec Journal](#) ran an Associated Press announcement about a University of Maine Cooperative Extension commercial grape-growing workshop Jan. 11 at the Augusta Civic Center. People interested in small-scale grape production will learn about basic site requirements and preparation, plant selection and care, trellising and pruning options, and nutrient and pest management. Fee for the workshop is \$25; register online by Jan. 5.

Cooperative Extension source for BDN piece on cluster flies

27 Dec 2017

A University of Maine Cooperative Extension [fact sheet](#) co-authored by Griffin Dill, pest management specialist with Cooperative Extension, and Clay A. Kirby, insect diagnostician, was referenced in a [Bangor Daily News](#) article about cluster flies. Cluster flies look like house flies but are larger, with yellowish hairs on the thorax. During late summer, they amass, or cluster, behind household siding and cracks and crevices in attics. They often become apparent in the winter when a previously cold room is heated. According to Dill's fact sheet, cluster flies are generally not noticed in the summer when they're searching for earthworm hosts. According to the fact sheet, cluster flies do not bite and aren't attracted to garbage. They are a good indication of a nearby earthworms.

Smith takes part in Trends in Genetics discussion

28 Dec 2017

Michelle Smith, an associate professor in the School of Biology and Ecology at the University of Maine, is participating in a 10-part series in [Trends in Genetics](#) to stimulate thought and discussion on the importance of undergraduate genetics education. For the second question in the series, Smith and other experts were asked how genetics courses have changed since they were a student or first began teaching. Smith, who has been teaching for about a decade, says the objective of genetics courses used to be to "cover as much content and describe as many techniques as possible." But she says genetics education research has shown memorizing content and how to do techniques does not equate to a better understanding of fundamental concepts. "My goal is to empower students to take known information and tackle new problems," she said.

Press Herald quotes Fried in article on Collins' reputation

28 Dec 2017

Amy Fried, a political scientist at the University of Maine, was interviewed by the [Portland Press Herald](#) for the article, "Sen. Collins' vote on Republican tax plan risks her moderate reputation." Sen. Susan Collins' support for her party's tax reform overhaul may have shored up her relationship with the White House and Republican congressional colleagues, but it also may have ruined her reputation among centrists and liberals as a champion of process and policy-driven governance, the article states. The reputation damage among non-Republicans stems from a wide disparity between the bill's content and the rushed method by which it was passed, and Collins' previous stances on both policy and process, Fried argued. "Susan Collins has earned a reputation over the years for being a serious legislator and really stood for having regular order and to have the experts look at a bill and hold hearings, but she cast that all aside for this particular bill," Fried said. "Like many Republicans, she has a strong commitment to keeping taxes as low as possible, but they really could have written a much better bill that could have done that and would have been popular."

WLBZ interviews CCI grad student on how to dress warm in winter

28 Dec 2017

Kimberley Miner, an Earth and climate scientist and graduate student at the University of Maine, spoke with [WLBZ](#) (Channel 2) about how to keep warm in cold temperatures. Miner studies climate change by researching glaciers and has been to places including Antarctica and Alaska, according to the report. Her gear has kept her warm in the toughest conditions, even eight days in a tent during a blizzard in Alaska, WLBZ reported. “For us, a lot of the mistakes you can make in the winter can be avoidable: Not staying warm, getting wet, not dressing appropriately. We can avoid a lot of the dangers and challenges that come from those risks,” Miner said. “So it’s important that you do the little things so that you’re protected in cold weather.” Miner said wearing a base layer that is not cotton is one of the most important things to remember.

UMaine mentioned in Press Herald report on year’s top sustainability stories

28 Dec 2017

The University of Maine was mentioned in a [Portland Press Herald](#) article that listed some of the positive actions and events related to sustainability that took place in Maine during 2017. The National Oceanic and Atmospheric Administration allocated a grant of \$908,015 for research into sustainable processing of aquacultured seaweed and development of new value-added products, according to the article. A team from the UMaine School of Food and Agriculture will take the lead on that project. Another grant from NOAA went to Brian Beal of the Downeast Institute for Applied Marine Research and Education, who also is a professor at the University of Maine at Machias. He was awarded \$249,238 to study the large-scale culture of blue mussel seed. While Maine’s mussel farms are doing well, they can’t keep up with demand, and according to UMaine, the major factor limiting their expansion is seed production. Beal will evaluate the best ways to both collect and culture mussel seed, the article states. This fall, Brunswick native and former UMaine student Hillary Morin Peterson discovered a new wasp species in Harpswell and named it *Ormocerus dirigoius*. Peterson also was the subject of the Press Herald’s recent “[Meet](#)” column.

Biddle quoted in Charleston Gazette-Mail article on improving rural education

28 Dec 2017

Catharine Biddle, an assistant professor of educational leadership at the University of Maine, was quoted in the [Charleston Gazette-Mail](#) article, “Can putting the least-experienced teachers in the highest-risk schools ever result in success?” The story is part of a reporting project looking at the six-year anniversary of a public-private initiative to revive the schools and economy in McDowell County, West Virginia. Teachers in remote rural settings are routinely called on to do things not taught in teacher preparation programs, according to Biddle, who specializes in the study of rural schools and communities. “They’re also frontline social service providers; trying to meet students’ needs with very little training and very few resources,” Biddle said.

UMaine-led team discovers new hemlock species

28 Dec 2017

A new species of hemlock has been identified on Ulleungdo, an island east of the Korean peninsula, which may lead to the temperate conifer being considered for conservation. The Ulleungdo hemlock (*Tsuga ulleungensis*) was identified by an international team led by Garth Holman, a research associate in the School of Biology and Ecology at the University of Maine. The team published its findings in the journal *Systematic Botany*. While discovering a new tree species is not uncommon, finding a new temperate conifer is unusual. Most plant species are found in the tropics, where diversity is higher. Conifers and other gymnosperms (nonflowering plants) constitute less than 10 percent of living plant species, whereas angiosperms (flowering plants) make up the majority. In recent decades, only a handful of new species of temperate conifers have been identified, often in the mountains of eastern Asia and central America. The discovery of Ulleungdo hemlock stems from research on the hemlock woolly adelgid by Nathan Havill of the U.S. Forest Service. In North America, the Asian insect is an invasive that threatens the eastern hemlock; in eastern Asia, the hemlock woolly adelgid co-evolved with southern Japanese hemlock. As part of his Ph.D. research, Havill studied a molecular phylogeny of hemlock woolly adelgids and their host plants. The Ulleungdo hemlock was thought to be a disjunct population of the southern Japanese hemlock until Havill’s research found that the two species are genetically dissimilar. That led Holman, who is a UMaine alumnus, Havill and other members of the research team to work to identify the species growing on Ulleungdo and to better understand its evolution in relation to other hemlocks. Hemlock, like some other coniferous species, typically form large populations, have long life spans and readily cross genes among populations — conditions that delay evolutionary divergence by prolonging retention of ancestral polymorphisms and admixing parental genomes, resulting in morphologically similar species. Using DNA sequencing, the researchers assessed the phylogenetic relationships of Ulleungdo hemlock to other *Tsuga* species, including the southern Japanese hemlock (*T. sieboldii*). Ulleungdo hemlocks resemble southern Japanese *T. sieboldii* with their hairless branches. However, Ulleungdo hemlock have larger leaves, wider petioles, larger leaf notches, buff-colored stomatal bands, smaller resin canals, and distinct wavy margins to their cone-scale bracts. Phenological studies by researcher Peter Del Tredici at the Arnold Arboretum uncovered substantial differences in phenology between hemlock species. Ulleungdo hemlock bud earlier and their growth period extends longer than Japanese hemlocks, which may be useful characteristics for cultivation. While Ulleungdo hemlocks are genetically most closely related to the northern and southern Japanese hemlocks, the morphological and phenological distinction led the research team to describe the new species, *T. ulleungensis*. It is plausible that *T. ulleungensis* evolved by anagenesis (where one taxon replaces another) versus cladogenesis (an adaptive radiation that occurs when single progenitor species gives rise to multiple descendant species). Anagenesis is most common on islands with relatively homogenous habitats. Nearly all the endemic species on Ulleungdo were derived via anagenesis, according to the researchers. More than 40 endemic angiosperms are found on Ulleungdo; *T. ulleungensis* are the first endemic gymnosperm to be described from the island. On Ulleungdo, the hemlock grows on north-facing rocky ridges up to 1,640 feet above sea level where the forests are dominated by Japanese white pine. There is no census on the Ulleungdo hemlock, but the high number of endemic species on the island, much of which remains undeveloped, has led to it being cited for conservation. According to the International Union for Conservation of Nature criteria, *T. ulleungensis* could be considered critically endangered due to its restricted geographic range. The research to identify the new species, part of the Ph.D. dissertation research completed in 2014 by Holman, was supported by a National Science Foundation Gymnosperm Tree of Life grant and a USDA National Institute of Food and Agriculture award. In addition to Holman, Havill and Del Tredici, other members of the research team are Nam Sook Lee, Ewha Womans University; Richard Cronn, U.S. Forest Service; Sarah Mathews, Australian National Herbarium; Linda Raubeson, Central Washington University; and Christopher Campbell, University of Maine. Contact: Margaret Nagle, 207.581.3745

Justin Baron: from Madawaska to Paris, mechanical engineering technology's a good fit

28 Dec 2017

Justin Baron worked a couple of dead-end jobs after graduating high school. He knew he wanted more. The Madawaska, Maine native found what he was looking for in mechanical engineering technology (MET). The University of Maine senior enjoys ensuring a smooth transition between development, design, testing and manufacturing of innovative products. Baron realized that MET was a good fit during a 2016 internship at Twin Rivers Paper Company in his hometown near the Canadian border. He's also gained considerable hands-on experience as a student research assistant at the University of Maine Advanced Structures and Composites Center. "I pride myself on good communication with my supervisor and co-workers," says Baron, who works in the Alford Advanced Manufacturing Lab for Structural Thermoplastics. Jonathan Roy, the center's structural thermoplastics research engineer, says Baron is reliable, has trained on state-of-the-art equipment, finds solutions to challenges and is a charismatic leader. Under the direction of senior R&D program manager David Erb, Baron helped create a fiber-reinforced thermoplastic rear differential cover prototype from a printed 3-D mold. Rear differential covers — traditionally metal — protect a vehicle's differential, or the set of gears on the rear axle. The UMaine composite prototype has similar strength and stiffness to the metal part from which it was re-engineered, and is one-quarter of the weight. The part can be produced rapidly and allow for significant reductions in cost. The prototype cover also is recyclable. When its purpose as a differential cover is done, it can be melted and repurposed. "It won't be tossed in a landfill," Baron says. Baron's primary role was in tape layup — placing layers of fiber composites at various angles to gain strength — on the advanced RELAY 2000 Station. "Fail fast and fail cheap" was the mantra for team members as they sought to test the design, learn from any problem areas and continually make changes to improve the product. In September, Erb gave an overview of the project at the Society of Plastics Engineers Automotive Composites Conference and Exhibition. The presentation, says Baron, showcased capabilities of the lab. Earlier in March, Baron and Erb attended the JEC World 2017 International Composites Event in Paris with representatives of the Maine International Trade Center. Baron and Erb shared achievements and information about areas of expertise at the UMaine Composites Center. Baron is the team leader for an outside-funded senior capstone project. Team members are building fiber-reinforced composite hemispheres. The expectation is that their findings could lead to more efficient manufacturing of products, including helmets. Baron also was secretary of the UMaine chapter of Engineers Without Borders. The student group works on sustainable engineering projects in developing countries to improve people's quality of life. He recently introduced himself to representatives of various firms at the recent Engineering Job Fair on campus. As graduation approaches, Baron says he's eager to work at a company where he can continue to develop his knowledge and skills, perhaps in aerospace technology. Whichever company that lands him will be fortunate, says Roy, adding that Baron's people and technological skills set him apart. UMaine Composites Center founding director Habib Dagher agrees. Last spring, he presented a 2017 Director's Award to Baron. The award recognizes people who have made extraordinary contributions to the center and who enhance its mission of research, education and economic development. Contact: Beth Staples, 207.581.3777

Republican Journal advances Belfast Senior College 2018 'Winterim' session

29 Dec 2017

[The Republican Journal](#) reported the Belfast Senior College at the University of Maine Hutchinson Center will offer a 2018 Winterim session. Classes begin Jan. 18 and will offer a diverse array of interesting learning opportunities, from Shakespeare to knitting, according to the article. Morning session runs from 9:30 to 11:30 a.m. and afternoon session is from 1 to 3 p.m. More information is [online](#).

BDN previews 'Competing with Age' discussion at Hutchinson Center

29 Dec 2017

The [Bangor Daily News](#) reported on a Dirigo Speaks event that will be held at the University of Maine Hutchinson Center in Belfast from 5:30 to 7 p.m. Jan. 10. The event, titled "Competing with Age," will offer BDN readers the opportunity to speak with some motivated Mainers who, despite having logged many years and a lot of miles, continue to inspire with their hard work and athletic achievements, the article states. BDN sports editor Pete Warner will lead a conversation fueled by questions about athletic achievement as we age with runner and marathon organizer Gary Allen, Trek Across Maine organizer Gail Auclair, seven-time Trek Across Maine competitor Ron Hise, and Waldo County YMCA fitness director Tamera Blades, according to the article.

Media feature Climate Reanalyzer map in reports on North America's cold blast

29 Dec 2017

The University of Maine Climate Change Institute's Climate Reanalyzer was featured in a [Vox](#) article about North America's recent cold weather. Temperatures on the East Coast have been in the teens and 20s, and temperatures in the Midwest have been hovering near zero Fahrenheit, according to the article. Temperatures are expected to continue to drop through the start of the new year. The cold weather is extreme for this time of year, the article states. The Climate Reanalyzer map posted with the article shows the cold snap also is unusual because most of the world is warmer than average for late December. The Climate Reanalyzer also was featured in articles related to President Trump's tweets about the cold weather and global warming by [The Associated Press](#), [The Atlantic](#), [The Hill](#), [CBS News](#) and [HuffPost](#). The [Portland Press Herald](#) carried the AP report.

Check out fall faculty, staff achievements

29 Dec 2017

Congratulations to University of Maine faculty, staff and students for their respective awards, presentations and publications this fall. Summaries of achievements that were submitted to the Division of Marketing and Communications this semester can be found [online](#). Faculty and staff are encouraged to continue to share their accomplishments, which are posted in Along the Mall on UMaine's website.

Cosgrove named Colby College football head coach

29 Dec 2017

Jack Cosgrove, the University of Maine's all-time winningest football coach, will become the head football coach at Colby College in Waterville. With mixed

emotions, Cosgrove, currently the senior associate director of athletics at UMaine, made the announcement Friday, Dec. 29. “Athletics, particularly football at the University of Maine, has been my life’s work. I have played, coached and provided leadership here for 36 years,” said Cosgrove. “The Cosgrove family, in its entirety, has graduated from here. To say that the university has impacted our lives would be an understatement. We can only hope that we have given to UMaine as much as it has given us.” For additional details, read the [UMaine](#) and [Colby](#) releases.

UMaine News Press Releases from Word Press XML export 2017

UMaine's Homecoming 2017 to be celebrated Oct. 13–15

05 Oct 2017

The University of Maine's Homecoming 2017 will be celebrated with several events on campus Friday through Sunday, Oct. 13–15. Homecoming will kick off Friday afternoon with campus and building tours, as well as the 2017 Cohen Lecture on "Assessing the First Year of an Unconventional Presidency" at 2:30 p.m. in the Collins Center for the Arts. Women's ice hockey will take on Robert Morris University at 7 p.m. Friday at Alfond Arena. Saturday will be highlighted by a Homecoming Open House beginning at 9 a.m. and UMaine football vs. Rhode Island at 3:30 p.m. A dedication and opening of the Spenciner Family Undergraduate Workspace will be held at 10:30 a.m. in Bennett Hall, Room 215. The day will end with a Silver Duo concert in Minsky Recital Hall at 7:30 p.m. and an 8 p.m. performance by comedian Bob Marley 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 will be held throughout the weekend. More information, including tickets and registration for events, is on the UMaine Alumni Association [website](#).

woody-biomass-news-feature

03 Jan 2017

downtown-bangor-news-feature

06 Jan 2017

gabriela-constantin-news-feature

06 Jan 2017

han-nguyen-news-feature

10 Jan 2017

tammy-ranger-portrait

11 Jan 2017

case-award-news-feature

11 Jan 2017

aquaculture-report-news-feature

12 Jan 2017

dmc-news-feature

13 Jan 2017

Razieh Zangeneh News feature

18 Jan 2017

Education research News feature

18 Jan 2017

Food packing News feature

18 Jan 2017

Museum exhibit News feature

18 Jan 2017

Composite bridge News feature

19 Jan 2017

Michelle Smith News feature

23 Jan 2017

Danish Quartet News feature

23 Jan 2017

Gill News feature

23 Jan 2017

Gill

23 Jan 2017

Alex Rahman News feature

27 Jan 2017

Student Athlete News feature(1)

31 Jan 2017

Eric Morrison News feature

01 Feb 2017

DMC diver News feature

01 Feb 2017

Mark OConnor Portrait

01 Feb 2017

BobsledNews feature

02 Feb 2017

Salmon News feature

02 Feb 2017

Once News feature

03 Feb 2017

Croatia enews

03 Feb 2017

Croatia News feature

03 Feb 2017

Red Hot Lovers News feature

06 Feb 2017

Olga Vocal News feature

08 Feb 2017

Brady Davis News feature

08 Feb 2017

Aging Bangor News feature

10 Feb 2017

MeiWa Li News feature

10 Feb 2017

Bill Engvall News feature

16 Feb 2017

Lobster age News feature

17 Feb 2017

Jasmine Saros news feature

21 Feb 2017

Walker Day news feature

22 Feb 2017

rightwhalechain1

01 Mar 2017

Caladh Nua news feature

01 Mar 2017

Ed Grew news feature

01 Mar 2017

Oral History news feature

02 Mar 2017

Nina news feature

02 Mar 2017

Ester Serrao news feature

03 Mar 2017

Ice Diving news feature

03 Mar 2017

Black Bear Food Guild news feature

06 Mar 2017

DMC news feature

07 Mar 2017

OptoGait news feature

07 Mar 2017

Kevin Bois news feature

07 Mar 2017

Bodytraffic

13 Mar 2017

Devin Greenlaw news feature

14 Mar 2017

Doo Wop Project news feature

15 Mar 2017

Victoria Hernandez news feature

17 Mar 2017

AARP news feature

17 Mar 2017

SMART news feature

20 Mar 2017

Quartet news feature

20 Mar 2017

Honorary Degrees news feature

20 Mar 2017

Kyle Goupille news feature

21 Mar 2017

Donna Loring Portrait

21 Mar 2017

Kenneth Hodgkins Portrait

21 Mar 2017

Presidential Awardees news feature

22 Mar 2017

Xudong Zheng news feature

23 Mar 2017

Commencement Speakers news feature

27 Mar 2017

Tenure news feature

28 Mar 2017

Brie Berry news feature

28 Mar 2017

Hemlock news feature

29 Mar 2017

Marcella Sorg

31 Mar 2017

Daniel Sandweiss

31 Mar 2017

Harvey Kail

31 Mar 2017

Allyson Eslin Portrait

03 Apr 2017

Joshua Patnaude Portrait

03 Apr 2017

Commencement4 news feature

03 Apr 2017

Aquaculture news feature

03 Apr 2017

DPC news feature

04 Apr 2017

Katie Dube news feature

06 Apr 2017

David Sedaris Portrait

07 Apr 2017

WWI news feature

07 Apr 2017

Furths

07 Apr 2017

John Mahon Portrait

07 Apr 2017

International Trade Show news feature

11 Apr 2017

Student Symposium news feature

12 Apr 2017

Emily Illingworth news feature

12 Apr 2017

Outstanding graduating students news feature

14 Apr 2017

Donald Bistri

14 Apr 2017

Chad Caron portrait

14 Apr 2017

Afton Hupper portrait

14 Apr 2017

Sigi Koizer portrait

14 Apr 2017

Christine Le portrait

14 Apr 2017

Maude Meaker portrait

14 Apr 2017

Han Nguyen portrait

14 Apr 2017

Jake Osbourne portrait

14 Apr 2017

Joshua-Patnaude-Portrait

14 Apr 2017

Adeline Schneider portrait

14 Apr 2017

Jesse Orach news feature

19 Apr 2017

Graham Van Goffrier news feature

19 Apr 2017

Susan Elias news feature

21 Apr 2017

Susan Elias Portrait

21 Apr 2017

NSF Fellows news feature

21 Apr 2017

Habitat for Humanity news feature

24 Apr 2017

Bioengineering news feature

24 Apr 2017

Interactive Storytelling news feature

24 Apr 2017

Annie news feature

25 Apr 2017

Madeline Wehrle news feature

25 Apr 2017

SpireBanner

28 Apr 2017

Pippin news feature

28 Apr 2017

Maine Day news feature

01 May 2017

FBRI news feature

01 May 2017

NSF Fellows

02 May 2017

Enrollment numbers news feature

04 May 2017

Commencement overview news feature

05 May 2017

Lowes Cove pier and floating docks

08 May 2017

Dante Baskett news feature

08 May 2017

Ocean temperature news feature

08 May 2017

Elizabeth Trenckmann news feature

10 May 2017

Fred Servello

11 May 2017

Commencement news feature

13 May 2017

Orono Commons news feature

16 May 2017

Rural news feature

17 May 2017

Clam cam news feature

22 May 2017

Skyline news feature

25 May 2017

Beach news feature

31 May 2017

Plague news feature

31 May 2017

Ice core

31 May 2017

Mountains

31 May 2017

Literacy news feature

31 May 2017

Wet landscape

31 May 2017

Wet landscape

31 May 2017

Wet landscape

31 May 2017

Lobster news feature

02 Jun 2017

Woman playing a recorder

06 Jun 2017

Green crabs

06 Jun 2017

Caroline Bicks

06 Jun 2017

Open book

06 Jun 2017

Ice cave in Peru

07 Jun 2017

Coral news feature

09 Jun 2017

Coral detail

09 Jun 2017

Starfish

09 Jun 2017

2016 Mandela fellows at UMaine

13 Jun 2017

Ethiopian Highlands

14 Jun 2017

Heather Leslie

16 Jun 2017

Wabanaki map

16 Jun 2017

Canoe on a river

16 Jun 2017

Third-graders measure oysters

19 Jun 2017

Students dissect oysters

19 Jun 2017

ORPC and UMaine staff members standing next to tidal energy technology

21 Jun 2017

Dr. Alison Rieser

23 Jun 2017

Colorado Potato Beetle

26 Jun 2017

Emma Jandreau

29 Jun 2017

Temperature map

30 Jun 2017

Map of Arctic ice

30 Jun 2017

Ice cores

03 Jul 2017

Map of Arctic ice

03 Jul 2017

Scallop farming

05 Jul 2017

Old tree

05 Jul 2017

Vole

05 Jul 2017

Old-tree-news-feature

06 Jul 2017

Jeffrey Runge

10 Jul 2017

HandWaver

13 Jul 2017

Boardwalk donation

13 Jul 2017

Indian Island School art at the Hudson Museum

13 Jul 2017

Miranda Roberts

14 Jul 2017

Bee on blueberry blossom

17 Jul 2017

Porphyra umbilicalis

18 Jul 2017

Porphyra umbilicalis

Porphyra umbilicalis

18 Jul 2017

American Elm near Hitchner Hall

19 Jul 2017

Damian Brady

19 Jul 2017

Rev. Lauren Seganos Cohen

21 Jul 2017

Ship news feature

24 Jul 2017

Jessima Ranney

24 Jul 2017

D8 QUEST ECO

25 Jul 2017

D8 QUEST ECO

25 Jul 2017

Jeremy Rich news feature

26 Jul 2017

Shell midden

26 Jul 2017

STEM

28 Jul 2017

John Woodruff

28 Jul 2017

University of Maine Darling Marine Center

28 Jul 2017

Finn McMahon-Allwine

02 Aug 2017

MOU signing

07 Aug 2017

Diver

08 Aug 2017

Rhian Waller

08 Aug 2017

Horse Hair Chair watercolor

09 Aug 2017

Eastern white pine

09 Aug 2017

Team

11 Aug 2017

Eclipse

11 Aug 2017

KentSeneres-1

15 Aug 2017

Aiden Koplovsky

17 Aug 2017

Day of Service

17 Aug 2017

Stephan Jackson

21 Aug 2017

50 Things bucket list

23 Aug 2017

Browntail moth

28 Aug 2017

Shadowland

28 Aug 2017

Squid news feature

29 Aug 2017

UMaine student in Acadia National Park

01 Sep 2017

Orono, Maine

01 Sep 2017

Gulf of Maine

05 Sep 2017

Figure 4

05 Sep 2017

Figure 7

05 Sep 2017

figure1

05 Sep 2017

figure2

05 Sep 2017

Mountains in the clouds

08 Sep 2017

Scientist in a tent

08 Sep 2017

Katie Doyle

08 Sep 2017

Mother protecting her child

11 Sep 2017

Fishing

11 Sep 2017

Fishing

11 Sep 2017

Children at the Darling Marine Center

11 Sep 2017

Lyme disease art

14 Sep 2017

Hands pulling on a rope

14 Sep 2017

UMaine HAB team launching a weather balloon

15 Sep 2017

The Escher String Quartet

20 Sep 2017

President Susan J. Hunter

20 Sep 2017

Fishermen in Eastport, Maine

20 Sep 2017

University of Maine School of Nursing coat

21 Sep 2017

Stevens Hall

21 Sep 2017

Tuesdays at IMRC fall 2017 poster

25 Sep 2017

Coast of Maine

26 Sep 2017

Melissa Britsch

26 Sep 2017

Rory Morgan

26 Sep 2017

Joyce Longcore

26 Sep 2017

Educators at seaweed bootcamp

27 Sep 2017

Joyce Rumery

28 Sep 2017

WaYS student in the field

29 Sep 2017

WaYS student in the field

29 Sep 2017

Campus-aerial-news-feature

02 Oct 2017

Mark Tenneson

02 Oct 2017

Former Secretary of Defense William S. Cohen

03 Oct 2017

Marine sciences students attend boot camp

03 Oct 2017

Marina Cucuzza

06 Oct 2017

Glowing book

06 Oct 2017

Scallop

11 Oct 2017

Phillip Levin

12 Oct 2017

Atlantic sturgeon

12 Oct 2017

Drew Brooks

12 Oct 2017

Fogler Library during fall

13 Oct 2017

Heather Leslie

16 Oct 2017

Austin Steward

19 Oct 2017

Schoodic research

20 Oct 2017

Honorary medal

23 Oct 2017

Rock climbing at Maine Bound Adventure Center

24 Oct 2017

Michelle Goody and Clarissa Henry

26 Oct 2017

God Bless Our Home

26 Oct 2017

Kelp

02 Nov 2017

Financial markets

06 Nov 2017

Kaitlin Young

07 Nov 2017

caught_dmc talk

08 Nov 2017

Neurons

08 Nov 2017

Hackaton participants

13 Nov 2017

Aquaculture toolkit

14 Nov 2017

Emily Corbett

20 Nov 2017

Basket

27 Nov 2017

Basket

27 Nov 2017

Creation cuff

30 Nov 2017

Heat

01 Dec 2017

CPH system

01 Dec 2017

Students with a breathing simulator

06 Dec 2017

Campus aerial

06 Dec 2017

Liam Reading

06 Dec 2017

Alternative breaks graphic

08 Dec 2017

Hemock tree

28 Dec 2017

Justin Baron

28 Dec 2017