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FALL 2015

GRAND VALLEY

MAGAZINE

the new

P. DOUGLAS
KINDSCHI **HALL**
OF SCIENCE

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Grand Valley Magazine

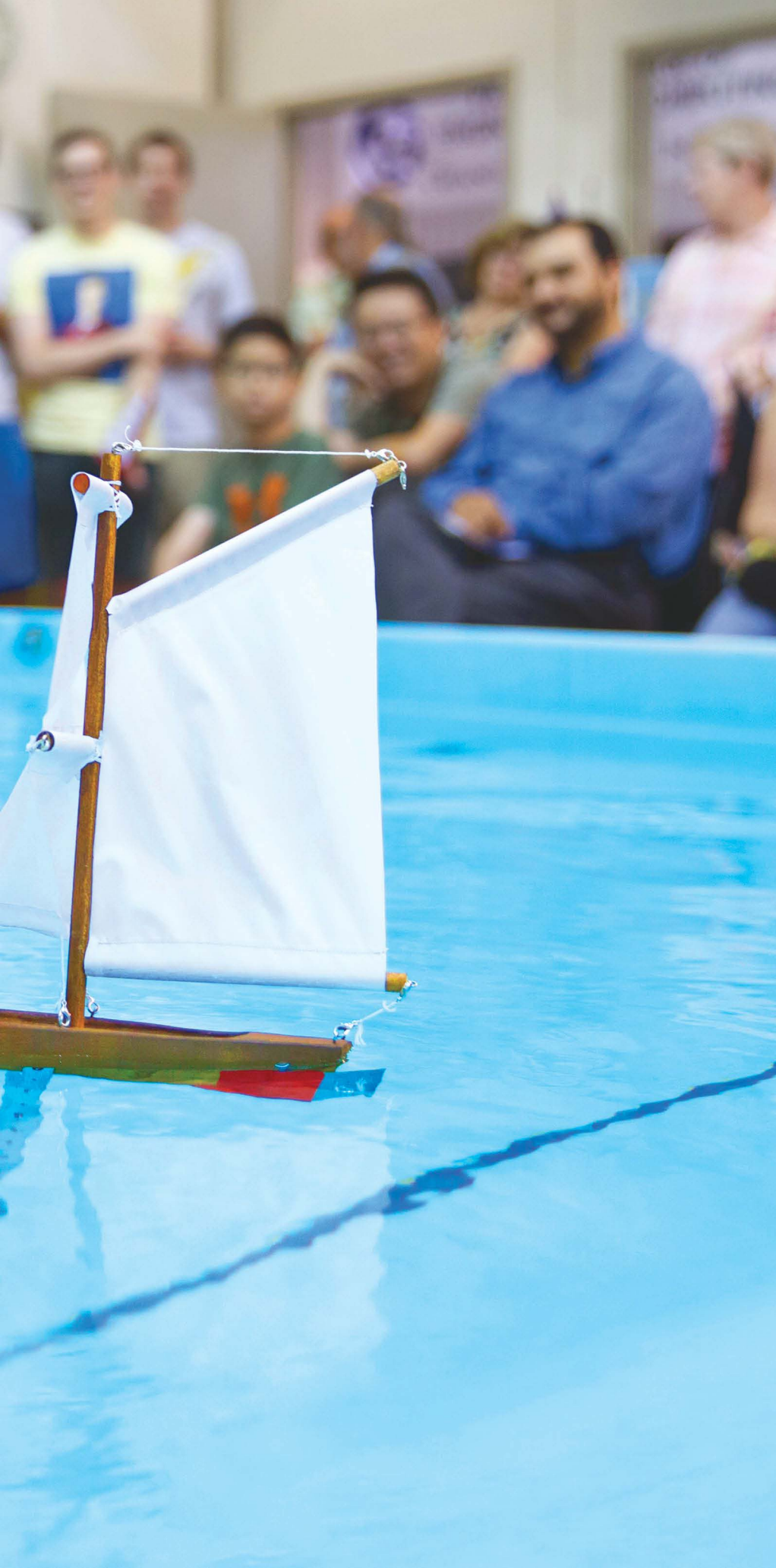
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GRAND VALLEY
MAGAZINE

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Connect with students, faculty, staff and alumni through Grand Valley's official social media channels.

On the cover:

The Kindschi Hall of Science opened in August; read about the building's features and mission on page 12.
photo by Amanda Pitts

On these pages:

Kyle Werner won the sailboat style competition at this year's Wooden Shoe Regatta. Read more about the 25th anniversary of this annual engineering event on page 24.
photo by Jess Weal



In support of GVSU's sustainability values, this magazine is printed on FSC-certified paper containing fiber from certified, responsibly managed forests. The cover includes a minimum of 10% postconsumer recovered fiber.

Please recycle me or pass me on.



How do you represent Grand Valley? Send a photo of yourself sporting Laker gear to gvmagazine@gvsu.edu or upload it to www.gvsu.edu/gvmagazine and it may be seen in a future publication.

Pictured are James Marshall, '71, and his physical therapist Carmen Hirsch, '14, at Madonna Rehabilitation Hospital in Nebraska; and Megan Cowan, '03 and '10, with her daughters on a mission trip to Malawi, Africa.

CAMPUS CHATTER



Lakers go to the Great Wall.

Posted by @laurmullins on July 14, 2015.

REPRESENTING GRAND VALLEY



Selgo set to step down as Grand Valley athletic director next year

Tim W. Selgo, who has led Laker athletics for two decades, will step down following this academic year. Selgo was appointed athletic director in 1996 and put his own stamp of leadership on varsity athletics.

A promoter of a well-rounded athletic department, Selgo has been a key figure in the Lakers' rise to the top of NCAA Division II athletics. Grand Valley has finished among the top two in the Learfield Sports/NACDA Directors' Cup standings for 14 consecutive years, including 10 titles; the university has also won 17 straight Presidents' Cup titles as tops in the Great Lakes Intercollegiate Athletic Conference.

"The past 20 years have been a wonderful professional experience, more than any one individual could hope for," Selgo said. "I have had the privilege of working at a great university with very talented and hard-working people who care about students. That combination leads to success and this university is certainly one of the greatest success stories in the history of higher education in this country."

A respected leader in college athletics, Selgo will spend this year as the president of NACDA. He previously served as chair of the NCAA Management Council, the top post in Division II athletics, following a stint on the NCAA DII Management Council. Selgo has been named the NACDA Division II AD of the Year three times.

"Tim's leadership as athletic director is evident in the myriad of accomplishments made by our student

athletes and our teams over these past two decades," said President Thomas J. Haas. "Ten Directors' Cup titles during his time is the ultimate testimony. I will miss his passion for student athletes and how he was able to create the environment for success through hiring great coaches, creating the sports complex, and most importantly stressing and achieving student success in the classroom."

photo by David Chrenko

Selgo has been a key figure in the development and enhancement of the athletic facilities and programs at Grand Valley. Lubbers Stadium was renovated in 2011, adding seats to increase capacity to 10,444, and installing a new fieldturf artificial surface. An outdoor track and field/lacrosse stadium opened in 2011, and the Kelly Family Sports Center opened in 2008. The Laker softball team began play on its new field in 2008 and the Laker baseball field added stadium seating in 2010.

The GVSU Football Center has been expanded since Selgo's arrival, lights were installed at Lubbers Stadium and the Rob Odejewski Weight Room was built in honor of the late assistant athletic director.

A native of Pettisville, Ohio, Selgo was inducted into the Toledo Athletic Hall of Fame in February of 2001 and will be inducted into the Grand Rapids Sports Hall of Fame in the fall of 2015.

Professor, students help discover gateway to ancient home of Goliath

A professor, 12 Grand Valley students and an international team of archaeologists unearthed a massive gate at the archaeological site of Tell es-Safi in Israel, which may have marked the entrance to the ancient biblical city of Gath. The city is thought to be the home of Goliath, the giant warrior whom the young Israelite King David bested with a sling.

Elizabeth Arnold, associate professor of anthropology and member of the excavation team led by Aren Maeir of Bar-Ilan University in Israel, said that Gath was occupied until it was destroyed following a siege around 830 B.C. It has been depicted as the most important of the five principal cities of the "Philistine Pentapolis," along with Ashdod, Ashkelon, Gaza and Ekron.

"This discovery shows the powerful status of Gath during the time of the early Israelite monarchy in 9th or 10th century B.C.E., meaning the Judahite kingdom could not have controlled Philistia until after Gath was destroyed around 830 B.C.," said Arnold.

Along with the monumental gate, the team also exposed the remains of a fortified wall, temple, iron production facility, pottery and other objects typically associated with Philistine culture. Arnold added that the team found evidence of widespread destruction that took place in the city

after the Aramean siege of Gath, as well as the earliest known siege system in the world comprised of manmade trenches surrounding the site on three sides.

The 12 students participating are part of the Study Abroad Israel program, through Grand Valley's Padnos International Center.

"Every find has significance, but the ones we found really opened the gates, figuratively and literally, to what the biblical city of Gath contained, and what happened to it and its inhabitants," said Kelly Darcy, a junior majoring in advertising and public relations. "The more we dug, the more artifacts we found, thus giving us a better idea of what the households we were working in really looked like, what every day life was like and what the occupations were."

Other students were Keegan Brewster, Parryss Carter-McGee, Jesse Dedic, Kimberly Crago, Kara Larson, Emily Gilhooly, Robert Tissot, Natalie Renkes, Dylan Rowe, Gabe Hassenthaler and Christopher Long. Arnold said more students will receive the opportunity to participate in this ongoing research in Israel at the site through this program in 2017.

For more information about these discoveries, visit the expedition blog at <https://gath.wordpress.com>.



Students Keegan Brewster and Jesse Dedic excavate in an area of the City of Gath archaeological site. A Grand Valley team joined international archaeologists and unearthed a massive gate that may have marked the entrance to the biblical city.
photo courtesy of Elizabeth Arnold

Scholarship created to honor alumnus who died fighting wildfires

A scholarship has been created in memory of Richard Wheeler, an alumnus who died in August while battling wildfires in Washington.

The Richard Wheeler First Responder Memorial Scholarship will be available to students who are dependents of those who have died as first responders, including firefighters, police officers and paramedics.

Wheeler, from South Haven, graduated from Grand Valley in

2013 with a bachelor's degree in natural resources management. He was one of three firefighters who died in Twisp, Washington.

"We are deeply mourning the loss of Rick," said Neil MacDonald, chair of the Biology Department. "Rick was a very hard working and diligent student. He was pursuing what he wanted in life, and we are all extremely proud of him."

CAMPUS CHATTER

"There are 2 rules: Rule #1 have fun. Rule #2 refer to Rule #1" - T. Haas. Our President is cooler than yours. @GVSU #LakerForALifetime 🍷 🍷 🍷

Posted by @JeanaGondek on August 25, 2015.

CAMPUS CHATTER

Look who I found after class

#GVSU #louiethelaker

Posted by @alywright15 on September 1, 2015.



Hiking down a mountain in Wyoming and met/high fived a fellow Laker on her way up. Lakers are everywhere!! @GVSU @gvsulakers

Posted by Rachel Bellovich (PeachieKeen94) on August 11, 2015.



Got a pic with my boy Lou! #gvsu #louiethelaker

Posted by @mdouglas85 on September 1, 2015.

Kamen receives honorary degree during convocation

The ceremonial start of the academic year began August 28 with speakers giving advice to new students about getting connected and studying hard in order to make the most of their college career.

It started also with President Thomas J. Haas engaging faculty and staff members during his opening address in a discussion about the “Grand Valley advantage” and how that formula of success will fit into the university’s strategic plan.

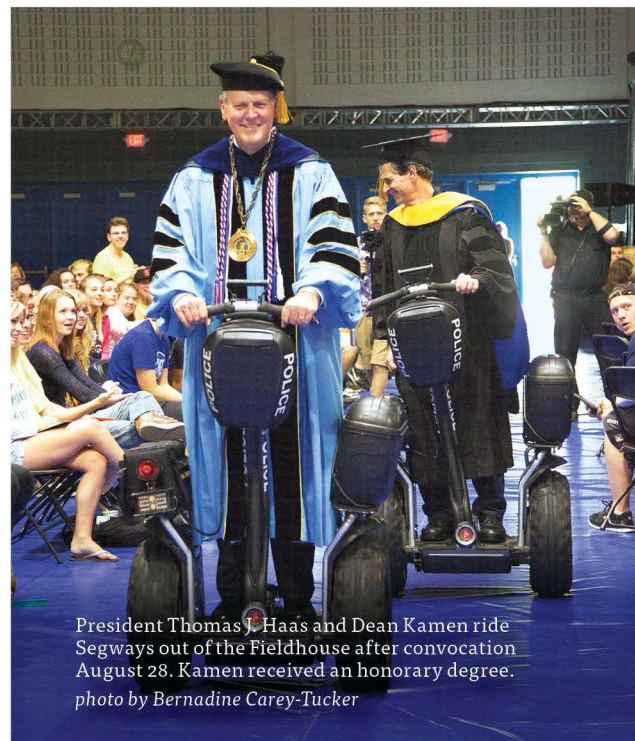
Convocation at the Fieldhouse was highlighted by the presentation of an honorary degree to entrepreneur and inventor Dean Kamen. The inventor of the Segway and other innovations, Kamen explained that while he never earned a college degree, he understands the value of an education. His message of connecting with students and faculty members on campus was similar to other speakers.

“I sat in the offices of many faculty members; sure I studied but what makes a university isn’t the textbooks, they’re all the same,” Kamen said. “It’s the quality and access to the faculty.”

Kamen is founder and president of DEKA Research and Development Corp. and the founder of FIRST (For Inspiration and Recognition of Science and Technology). While he has given many commencement addresses, this was the first time Kamen was invited to give a speech at the start of a university’s academic year. He challenged students to find important problems to solve, and not to give up.

Gayle R. Davis, provost and executive vice president for Academic and Student Affairs, addressed the audience and said she and other speakers shared a commonality with one-third of the new students present: they were the first in their families to attend college.

“There was an added pressure for us; it was a new world and our futures seemed uncertain,” Davis said. “But I will assure you and your families, while you are here at Grand Valley, you will be attended to.”



President Thomas J. Haas and Dean Kamen ride Segways out of the Fieldhouse after convocation August 28. Kamen received an honorary degree. photo by Bernadine Carey-Tucker

Megan Sall, member of Grand Valley’s Board of Trustees, said she was once a student attending convocation for the first time. “I was you,” Sall said, pointing to several new students, “not knowing what the future would hold for me.” Sall stressed the commitment Grand Valley will give to students if they make a commitment to the university.

Sall, of Grand Rapids, earned two degrees from Grand Valley: a bachelor’s in international relations in 2007 and a master’s in public administration in 2009.

Samhita Rhodes, associate professor of engineering, was the first convocation speaker. What she had planned to say, Rhodes said, “was coming out like a bad Hallmark card.” Rather than platitudes for the audience, Rhodes offered investment advice. “Today, you are investing in the most valuable thing you own: the one square foot that’s between your ears,” she said.

Watch Dean Kamen’s remarks in a video posted online at www.gvsu.edu/gvmagazine.



Campus celebrates dedication of Kindschi Hall of Science

Doug and Barbara Kindschi join lawmakers, trustees and others to cut the ribbon during the dedication ceremony of the P. Douglas Kindschi Hall of Science August 28.

photo by Amanda Pitts

The campus community celebrated the formal dedication of the new P. Douglas Kindschi Hall of Science August 28 on the Allendale Campus.

In his opening remarks, President Thomas J. Haas welcomed and recognized the nearly 700 in attendance, including those who collaborated to bring the Kindschi Hall of Science to life.

“As a scientist myself, I could not be more excited about the opportunities this facility provides for our students,” Haas said. “The addition of this facility significantly expands our space for students to conduct research with faculty, which is a highlight of the Grand Valley experience.”

The new science building is named in honor of P. Douglas Kindschi, who has served the university for nearly 40 years in many different capacities, including dean of Science and Mathematics, and is currently the director of Grand Valley’s Sylvia and Richard Kaufman Interfaith Institute.

“My nearly 40 years at Grand Valley have been more fulfilling than anyone could have imagined,” Kindschi said. “To help a university grow from 5,000 to 25,000 students is an opportunity few in academia have enjoyed.”

The 151,720 square-foot, four story

building includes nine classrooms, 15 teaching laboratories, 14 faculty/student research laboratories, a computational research lab, study spaces, offices and conference rooms.

Provost Gayle R. Davis said the new lab spaces will grow the important relationships between faculty and students, which will ultimately benefit the state of Michigan.

“Students who engage actively with their faculty and their subjects are most likely to succeed in college and in life. It takes a specialized space to facilitate those important collaborations,” Davis said. “With this new facility, we’ll be able to involve many more students in extracurricular research with their faculty members — strengthening the basis on which they will grow the sciences for our state.”

The \$55 million, state-of-the-art facility received \$30 million from the State of Michigan; the remaining \$25 million came from a variety of university resources. The Kindschi Hall of Science is the first state-funded construction project on the Allendale Campus in 20 years.

While the building provides the space, the opportunities for students in undergraduate research in science, technology, engineering and mathematics (STEM) and health



Hear from speakers at the dedication in a video posted online at www.gvsu.edu/gvmagazine.

disciplines are supported through the CLAS Margin of Excellence for Science Fund, made possible by more than 400 donors.

Representatives from the state included Sen. Arlan Meekhof, (R-Grand Haven), Rep. Adam Zemke, (D-Ann Arbor), and Rep. Roger Victory, (R-Hudsonville). Victory said the Kindschi Hall of Science is a great asset to Grand Valley and the state.

“The return on investment will come in the form of developing the knowledge and skills needed for our community and the growth of Michigan,” said Victory. “Grand Valley has one of the highest retention rates of its graduates who continue to live, work and invest in our community and our state.”

More Kindschi Hall of Science stories and a list of donors to the CLAS Margin of Excellence and Science Endowment Fund begin on page 12.

Old batteries could mean new rural recycling options

by Nate Hoekstra

Living in cities and suburbs often means easy access to recycling facilities or curbside pickup services, but trying to reduce, reuse and recycle in rural areas can take much more time and effort.

A new partnership between Grand Valley's School of Engineering and Hastings Township, a rural community about an hour southeast of downtown Grand Rapids, is hoping to bring sustainable, portable recycling stations to underserved rural communities.

Nicholas Baine, assistant professor of engineering, has been working with township officials to build a one-of-a-kind prototype recycling center that can be trucked to remote locations and operated without needing access to the power grid.

The prototype currently sits in the parking lot of the Hastings Township Hall, and is essentially an old semi trailer, with some important modifications. Windows and doors were cut into the sides to allow for recyclable materials, and it has four solar panels installed on the roof. The panels allow the center to be completely self-sufficient so they can be placed in spaces where there are no power lines.

"The solar panels send power through a system to the bank of batteries inside the unit, which allows lights and security systems to continue to work at night or on cloudy days," Baine said.

The built-in power system is critical to keeping overhead on the recycling stations low, said Jim Brown, Hastings Township supervisor.

"If these were to go into rural locations throughout the county, it would be cost prohibitive to send a maintenance person out to each location just to check and see how full the recycling bins are on a regular basis," Brown said. "Having the stored solar power on board will allow us to go online and look at a webcam inside the trailer to determine when bins need to be emptied rather than driving to a site that could be a long distance away just to check it out."

The solar cells send power for storage to a bank of post-vehicle-application lithium-ion batteries, which are commonly found in newer hybrid and electric vehicles. Once the batteries can't hold enough of a charge for a vehicle, they can be repurposed for power storage, which doesn't require as much current as vehicles do. Baine

said some of the used batteries in the prototype recycling center came from hybrid bus battery packs that couldn't meet the needs of the buses any longer.

While Hastings Township doesn't need more than one or two of the recycling centers, Brown said he's identified roughly a dozen sites throughout rural Barry County that could use the portable recycling stations.

"We're not always going to have locations right next to the township hall where we could plug into an electrical circuit, which is why the solar power and power storage capabilities become so important," he said. "We're interested in this concept that would improve rural recycling services while driving down costs in places where curbside isn't available or practical."

Building and testing the prototype unit took about a year, and was completed in August. Because it's a prototype, the initial center cost about \$35,000 to make, but Brown said future versions should be able to be built for less than half that amount.

The GVSU portion of the project has been funded by the U.S. Department of Transportation's Research and Innovation Technology Administration University Transportation Centers program, through the Mineta National Transportation Research Consortium with matching funds provided by Grand Valley. Grand Valley's Michigan Alternative and Renewable Energy Center, or MAREC, was also part of the project. MAREC program manager Kim Walton worked with the township for three years in the planning stages of the project and worked with a solar installer to design parts of the system. MAREC will collect data on the unit.

Baine said that the recycling center, as it's currently designed, will require minimal maintenance and can run autonomously for up to three days without sunshine.

"The prototype we're building in conjunction with Hastings Township could have big implications for energy storage solutions for rural applications in the future," Baine said. "We're recycling batteries to help other people recycle their household waste. I think that's a pretty cool concept."



Nicholas Baine, assistant professor of engineering, is inside a solar-powered recycling center that can be trucked to rural locations.

photo by Bernadine Carey-Tucker

Former assistant returns to women's basketball



by Michele Coffill

The new head women's basketball coach comes with an extensive resume that includes starting a program from scratch and having great familiarity with Grand Valley.

Mike Williams was named head coach in June, taking over for Janel Burgess. Williams was a Laker assistant coach for five years, including 2005-2006 when that team won the national championship.

For the past four years, Williams was the head coach at Davenport University in Grand Rapids, compiling a 130-11 record. He coached the Panthers to four NAIA national tournaments, including one championship game appearance.

Williams said he was intrigued by Grand Valley's job posting because of the university's athletic successes.

"It's the best Division II school in the country," Williams said. "Grand Valley hires good people and keeps good people. The combination of good people and good facilities means that a lot of teams have had success."

Tim Selgo, athletic director, said he is thrilled to have Williams return to the coaching staff.

"Mike was an integral part of our great success, and has gone on to continued success in coaching," Selgo said. "He is an outstanding teacher, which is demonstrated in the way in which his teams play and in his ability to find talent in recruiting."

Selgo added that he expects a transition period when a new coach is

Mike Williams returns this season to Grand Valley to lead the women's basketball team. He had been an assistant coach for five years, including the 2005-2006 championship.

photo by Elizabeth Lienau

introduced, although this might be a short transition.

Williams started his new job in the summer toward the end of the high school recruiting cycle. He said working at nearby Davenport meant he was familiar with many area high school basketball stars, and the continuity of having four-year associate coach Phil Sayers stay at Grand Valley made recruiting successful.

"We also had a basketball camp at Grand Valley, and a lot of the kids knew who I was," he said.

"Grand Valley hires good people and keeps good people. The combination of good people and good facilities means that a lot of teams have had success."

Mike Williams

The Lakers' style of play on the court is different from what Williams ran at Davenport. Williams said Grand Valley is known as a perimeter team and he had coached an up-tempo defense at Davenport.

The Lakers finished 20-8 last season and lost in the GLIAC semifinals to Michigan Tech. This season's team returns two players, Brionna Barnett and Kayla Dawson, who were named to the All-GLIAC First and Second teams, respectively.

Williams graduated from the University of Wisconsin-Stevens Point. He started his coaching career at the high school level, leading teams in Ironwood and Hancock, both in the Upper Peninsula. He was also an assistant coach at Michigan Tech during

the 1988-1989 season, and spent four years at the University of Michigan as an assistant coach under then head coach Kevin Borseth.

While in Hancock, Williams started the women's basketball program at Finlandia University, a Division III institution.

He said the parity of play in the GLIAC also played a role in attracting him back to Grand Valley. "You can't have an off night in this league," Williams said. "The level of competition among all teams is great."

ArtPrize Ally

Grand Valley's seven-year history with the world's largest international art festival

by Matthew Makowski

Three square miles of downtown Grand Rapids transform into an arts epicenter during ArtPrize each fall when artists and art enthusiasts alike join the conversation about art and why it matters.

Since ArtPrize began in 2009, more than 1.9 million people have reveled in more than 10,000 pieces of artwork scattered across hundreds of venues around the city. These participatory numbers have earned ArtPrize the distinction of being the world's largest international art competition. Grand Valley has contributed to that title by serving as an official venue since the inception of the international festival.

"Grand Valley decided right from the start that we needed to be a part of the ArtPrize conversation because we have an art department, but we also develop and showcase art on so many different levels," said Henry Matthews, director of Galleries and Collections. "We have a campus downtown so we want to be good neighbors. We need and want to participate with the community with these types of events."

Matthews added that while the Pew Grand Rapids Campus became the logical place to physically enter the ArtPrize world, Grand Valley's priority was and continues to be acting as a university first and an ArtPrize venue second. As a result, the Pew Grand Rapids Campus has historically served as strictly an outdoor venue during the 19-day art competition.

Grand Valley began its ArtPrize connection by serving as a venue in 2009, hosting eight artists and their works. In 2010, the Pew Campus expanded its involvement by becoming an official Exhibition Center and hosting more than 20 artists, acting as a registration site and carrying ArtPrize merchandise.

In 2012, the university reverted back to a venue. The decision was made



to place more attention on a smaller number of artists during ArtPrize exclusively at the Eberhard Center in order to take advantage of the consistent high traffic on the historic Blue Bridge, which connects the Pew Grand Rapids Campus to downtown.

Matthews said one goal during ArtPrize is to connect with students, faculty and staff members or alumni when selecting artists to showcase on campus. More than 85 artists have been hosted on the Pew Campus since 2009.

During ArtPrize this year, 14 jewelry and metalsmithing students joined those ranks by displaying their classwork in a pop-up gallery at the Eberhard Center in the exhibit, "Framing the Experience."

Beverly Seley, coordinator of the jewelry and metalsmithing program, said the works displayed covered all class levels and demonstrated the range of techniques, materials and approaches found in contemporary metals and jewelry.

Ross Tanner, '15, showcased a bracelet crafted from drafting



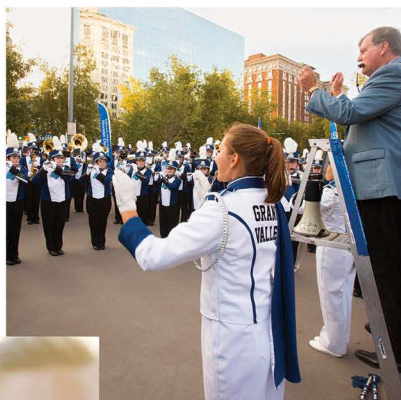
"We want to be good neighbors. We need and want to participate with the community with these types of events."

**Henry Matthews,
director of Galleries and Collections**

equipment inherited from his late uncle; he said showcasing artwork at ArtPrize is a valuable entryway into large scale exposure as an artist.

"Exhibiting during ArtPrize breaks down any potential barriers that an artist may have to exhibiting work in a gallery or museum setting," Tanner said. "This gives students the opportunity to find all the resources needed to obtain a space and exhibit their work."

Aside from hosting artists, Grand Valley has been heavily involved in



The Grand Valley connection runs strong during ArtPrize in Grand Rapids. Pictured at top is ArtPrize in 2011, one of the many ArtPrize entries at the Pew Campus; at top right is President Thomas J. Haas conducting the Laker Marching Band at the event's 2015 kick-off celebration; at bottom right is GVSU Dance Company; and at far left is the pop-up gallery created by jewelry and metalsmithing students.

the official kickoff to ArtPrize since 2012. Each year at Rosa Parks Circle, the Laker Marching Band, led by President Thomas J. Haas, performs while the GVSU Dance Company and Louie the Laker energize the crowd. The ensemble then proceeds across the Blue Bridge to the Eberhard Center to perform a second time.

"The kickoff gives Grand Valley students an amazing opportunity to perform for a public audience in the heart of Grand Rapids," said Stacey Tvedten, Art Gallery program coordinator. "ArtPrize is an excellent catalyst for connecting people, ideas and organizations, and that's what we celebrate during the kickoff."

The Pew Campus has also functioned as an educational hotspot in previous years by hosting ArtPrize Education Days. Sponsored by ArtPrize and coordinated by the Galleries and Collections team and Grand Valley's Charter Schools Office, ArtPrize Education Days continues to offer K-12 charter and public school students the opportunity to engage in educational activities, such as ice carving demonstrations, dance classes, jewelry making workshops, artist meet-and-greets and ArtPrize tours during Grand Valley's annual Family Weekend.

Grand Valley's connection to ArtPrize doesn't end when the prizes have been awarded, the artists pack up and the city of Grand Rapids returns to status quo. There are currently 17 former ArtPrize entries now residing in the university's permanent art collection, including "Magela - S" by Cyril Lixenberg and "Metal Monkey Mania" by Dale Rogers; both can be found at the DeVos Center.

ArtPrize All Year
Find these past ArtPrize entries on campus:



CLANS OF THE ANISHINAABEK
JASON QUIGNO, ARTPRIZE '11
L. WILLIAM SEIDMAN CENTER COURTYARD



LANE'S UNFINISHED CATHEDRAL
RICHARD CLAIR LANE, ARTPRIZE '13
MARY IDEMA PEW LIBRARY LEARNING AND INFORMATION COMMONS, ATRIUM



MAGELA - S
CYRIL LIXENBERG, ARTPRIZE '10
OUTSIDE THE STEELCASE LIBRARY



METAL MONKEY MANIA
DALE ROGERS, ARTPRIZE '11
RICHARD M. DEVOS CENTER,
BUILDING C, ATRIUM

Scientific symbiosis

KINDSCHI HALL OF SCIENCE
PROVIDES STATE-OF-THE-ART STEM
LEARNING AND TEACHING ENVIRONMENT

by Matthew Makowski | photos by Amanda Pitts



Jessica Vogt examines a specimen in the Zoology Preparation Area on the first floor of the building. Zoological specimens are stored and displayed for use in animal biology courses. The room is also designed as a public display case for passersby. The specimens inside the area range from dinosaur eggs to elephant skulls.

12

Fall '15

Madroperis
Nectaris maculata

Eric Mouse
Aphodius stultus

Nile Crocodile
Crocodylus niloticus

Green Iguana
Iguana iguana

Western
Ea Cro

At a time when there is an increasing demand for careers in science, technology, engineering, mathematics (STEM), and health sciences across the U.S., Grand Valley's new P. Douglas Kindschi Hall of Science offers students unique academic opportunities to study and excel in these fields.

Grand Valley currently offers 86 undergraduate programs and 36 graduate programs with more than 40 of them touching the STEM and health sciences in some capacity. The P. Douglas Kindschi Hall of Science is a construction partnership between the State of Michigan and Grand Valley. The state considered STEM and health-related programming as funding priorities. So did the more than 400 donors who supported the College of Liberal Arts and Sciences Margin of Excellence and Science Endowment Fund that brought the building to life (see list on page 18).

Neil MacDonald, professor and chair of biology, said the 151,720 square-foot building came to fruition because enrollment in the university's science and health programs has been steadily growing. More about the dedication of Kindschi Hall can be found on page 7.

"The demand for all the science programs has been growing dramatically over the last 20 years, while the existing spaces in the Padnos Hall of Science and Henry Hall were increasingly hard-pressed to satisfy the demand for science courses," MacDonald said.

MacDonald said this demand, however, does not solely come from students majoring in the sciences. The new facility will also be home to many general education and introductory science courses taken by students of all majors.

"At a university dedicated to liberal education, all Grand Valley students need this facility," said Fred J. Antczak, dean of the College of Liberal Arts and Sciences. "We need scientists, but are better off having scientists who can reason about the whole social picture. We need humanists, but are better off having humanists, business people, social workers and grade school teachers who understand science and technology."

The P. Douglas Kindschi Hall of Science opened to students in August.

SHARED FUNCTIONALITY

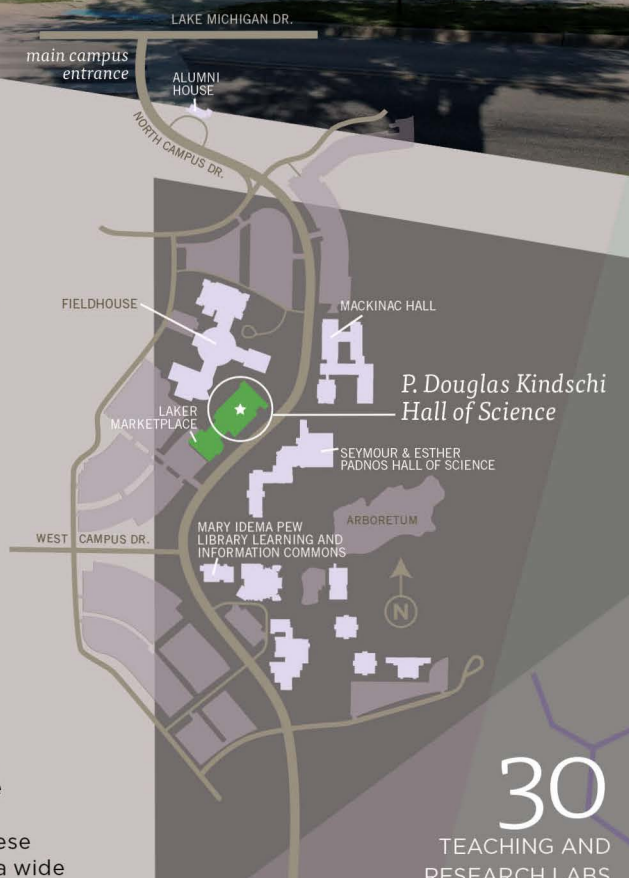
Mark Staves, professor of cell and molecular biology and department chair, said the 15 teaching laboratories and 14 faculty and student research laboratories in the four-story science hall will better prepare students after graduation.

"Students will benefit because we will be able to offer more sections of some classes that routinely fill up early, and they will have greater opportunities for carrying out the practice of science with faculty in research spaces," Staves said. "This practical experience is often the difference between getting a job or position in graduate school, or not getting it."

MacDonald added that these facilities were designed for a wide range of scholarly activities that will allow faculty members and students from biology, cell and molecular biology, biomedical sciences, movement science and other disciplines to work more collaboratively.

"These labs provide the physical space necessary for students to engage in a variety of scholarly projects with faculty, building on existing efforts while allowing for a future expansion of the scope of the research projects that can be pursued effectively in specifically designed laboratory spaces," he said.

This improved collaboration is possible in the laboratories through



30
TEACHING AND
RESEARCH LABS

160
FACULTY AND STAFF
OFFICES

151,720
SQUARE-FOOT
BUILDING

the concept of “shared functionality,” which features shared instrumentation along the walls and flexible workbenches in the middle, allowing students and faculty to share space and equipment while researching.

“Lab work will be conducted in specifically designed laboratories that allow students to work in groups while also being able to interact closely with their laboratory instructors,” MacDonald said. “Lecture sections will be held in case rooms, which allows for greater interaction between students and instructors in a physically engaging space.”

These types of scholastic activities and research will also be facilitated in the new 3,000 square-foot Barbara Kindschi Greenhouse, which can be divided into six different microclimates by one of the most advanced greenhouse control systems available.

Gary Greer, professor of biology, said the greenhouse’s larger overall size, individual rooms and compartments, and advanced climate control systems allow for teaching and research projects that were not feasible in the Padnos Hall of Science greenhouse. More information about the greenhouse can be found on page 17.

The expanded spaces within the Kindschi Hall of Science will also increase elasticity for scheduling courses.

“The new spaces will provide increased flexibility for all science units to schedule their courses during times that work for students, allowing them to develop weekly schedules that better mesh with co-curricular activities, off-campus work or family responsibilities,” Antczak said.

James Moyer, associate vice president for Facilities Planning, said that above all else, the Kindschi Hall of Science is designed to help students, faculty and

“At a university dedicated to liberal education, all Grand Valley students need this facility.”

Fred J. Antczak

staff members, and visitors see the scientific world in a different light.

“Science is all around us and one interacts with science without a second thought. When something is brought to our attention as a science, we can become more aware of it,” he said.



“For instance, we appreciate rain for what it is and yet, as a factor in the study of erosion, rain assumes an entirely different personality.”

THE ART OF SCIENCE

When Grand Valley constructs a new academic building, the Galleries and Collections team selects diverse artwork from its collection of more than 13,000 pieces to tell visual stories that are applicable to both faculty and students.

Cathy Marashi, assistant director of Galleries and Collections, said the more than 460 works of art within the Kindschi Hall of Science not only personify the spirit of the building, but also the curriculums students practice within.

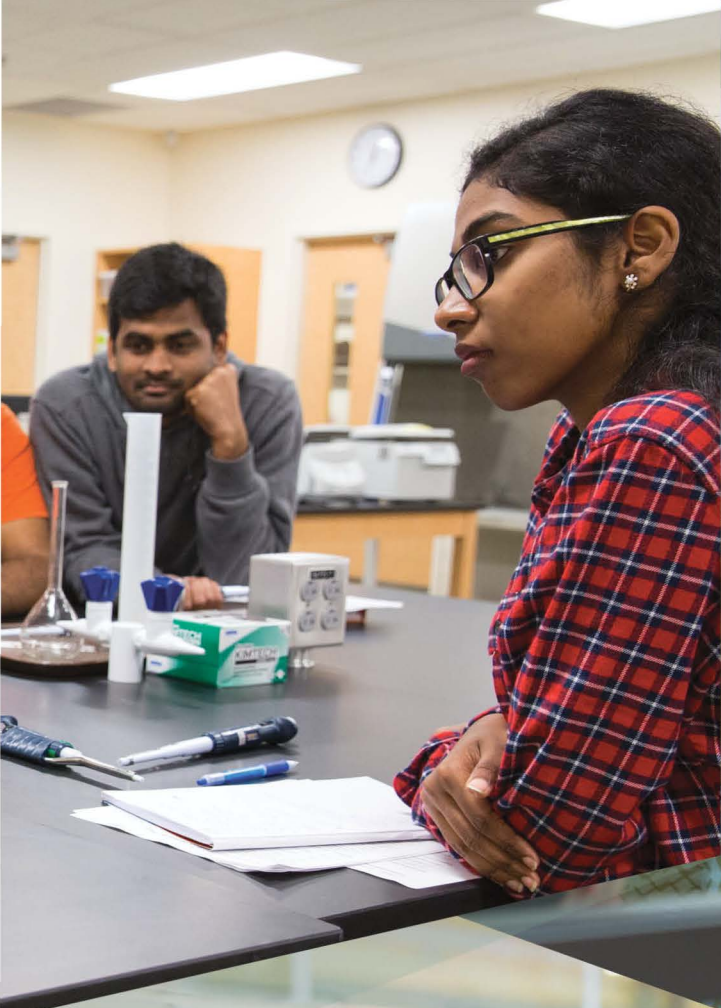
“It’s a really interesting building because the subject matter is fascinating and lends itself to visual pieces,” Marashi said. “It includes visual representations of the biology of the sea, the flora and fauna of the Earth, the environment, climate changes and everything in outer space.”

While the team has historically

Flexible workbenches allow students and faculty members to share space and equipment while working on research projects.

only needed artwork for corridors, Marashi added that the vast size of the classrooms within the Kindschi Hall of Science presents new opportunities for displaying art. Classrooms and lecture halls have themes ranging from rainforests, cellular imaging and environmental and climate changes, to endangered species and even the Grand River.

“Not only will students be exposed to the underlying science in the classroom, but in the hallways they will see artistic representations related to the topics they are studying in class — providing another way of looking at natural phenomena,” MacDonald said. “Many of the artistic representations on display are also linked less directly to specific scientific topics, encouraging students and faculty to think of the scientific endeavor in a much broader context.”



Study spaces give students the opportunity to interact with each other outside of the classroom.



Artwork enhances the atmosphere of the building and is carefully selected by the Galleries and Collections team around the broad theme of the sciences.

9
CLASSROOMS

8
STUDENT
STUDY SPACES

10
CONFERENCE
ROOMS

DESIGNED DESTINATION

Students will not only benefit from the academic resources within the functional and environmentally friendly building, but they will also benefit from the non-academic perks connected to the new building. These include The Marketplace, which houses the 45,000 square-foot, two-story GVSU Laker Store (formerly the University Bookstore), Starbucks and Which Wich Superior Sandwiches, a made-to-order sandwich shop.

The project's scope was eventually expanded to include these non-academic locations, along with eight study spaces within the Kindschi Hall of Science, to create an overall multi-purpose destination for students to interact on campus.

"Students learn together and we hear from various sources that the few minutes after a class where students engage with each other is very important," Moyer said. "By providing student study spaces, we provide the opportunity for engagement."

Students walk past the zoology exhibit in the main hallway.



Building namesake brings four decades of service to Grand Valley

Barbara and Doug Kindschi are pictured in the Barbara Kindschi Greenhouse.

photo by Amanda Pitts

It is very fitting that our newest science building should be named in honor of P. Douglas Kindschi. Dr. Kindschi has generously supported the endowed funds that brought the building to life. He has served the university for nearly 40 years in many different capacities and is currently the director of the university's Sylvania and Richard Kaufman Interfaith Institute.

Dr. Kindschi was Dean of Science and Mathematics where he helped build the foundation for the science and mathematics programs at Grand Valley. He was influential in the creation of some of the university's nationally recognized academic programs in the science and health fields, including the Seymour and Esther Padnos College of Engineering and Computing and the Robert B. Annis Water Resources Institute, and he led the effort to build the Seymour and Esther Padnos Hall of Science.

Dr. Kindschi has been actively engaged with elementary and secondary students in science education through his establishment of the Coalition for Excellence in Science and Math Education, the Regional Math and Science Center, and Science Olympiad tournaments, which give thousands of area middle and high school students the opportunity to develop their talents in the STEM fields.

The Kindschis both have a commitment to Grand Valley science programs. Barbara Kindschi hopes to share her passion for horticulture with students through her support for the Barbara Kindschi Greenhouse, a 3,000 square-foot greenhouse within the Kindschi Hall of Science with tropical, arid, temperate, and quarantine bays for research and teaching.





New greenhouse plants seed for continued teaching, learning

by Leah Twilley

A 3,000 square-foot greenhouse in the P. Douglas Kindschi Hall of Science will provide a copious amount of space for faculty members and students to grow through education and research.

The Barbara Kindschi Greenhouse, located on the second floor, has six growing bays that use an advanced controlling system to maintain specific climates from environments around the world. It houses the university's established greenhouse collection, which includes nearly 300 species that represent major plant groups found in tropical, temperate and arid environments.

The space is named in honor of Barbara Kindschi, wife of former dean and longtime faculty member Doug Kindschi. She said her love of plants, trees and nature led her to support the new greenhouse.

"When I first saw this magnificent greenhouse, I knew I wanted to support all the faculty and students who will be studying and working here by giving them further opportunities to understand and nurture plant life," said Kindschi.

Neil MacDonald, chair of the biology department and professor of biology and natural resources management, was involved in the design and planning process for the greenhouse. He said the goal was to create a space that would be both a functional and attractive addition to the building for years to come.

"A major priority was to design a space that would properly control different environments," said MacDonald. "If it gets too hot in the summer or too cold in the winter, you start to lose plants or they get damaged, so it's important that we have a space where we can maintain an environment within a certain range of temperature and humidity for year-round teaching."

The greenhouse will also include growth chambers for small projects that don't require much space. On the outside, they look like large refrigerators; on the inside, plants grow in a controlled environment through the use of specific lighting, heating and humidity.

The greenhouse not only serves students majoring in biology, but it helps meet the demand for a growing enrollment in the health sciences

The Barbara Kindschi Greenhouse is divided into six growing bays with varying climates. An advanced controlling system allows specific environments to be maintained.

photo by Amanda Pitts



fields, where students often take introductory courses that use the space during laboratory sessions.

The former greenhouse, connected to the Seymour and Esther Padnos Hall of Science, was built in 1995. A growing student population and ever-expanding campus called for a bigger greenhouse, MacDonald said.

"If faculty wanted to do research, the lab supervisor had to shift around plants and make room in the former greenhouse," said MacDonald.

The new space will house two bay areas specially configured for research and class projects, so the teaching collection will not be disrupted.

THANK YOU!

The following people gave gifts to the College of Liberal Arts and Sciences Margin of Excellence and Science Endowment Fund. Their names will be recognized on a donor wall in the Kindschi Hall of Science.

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THE FINAL FRONTIER

Astronomy classes teach stargazing students about the vastness of the universe

photo by Amanda Pitts | by Matthew Makowski

Space: the final frontier. These are the academic voyages of Grand Valley students. Their mission is to explore strange new curiosities, seek out new knowledge and new understanding, and to boldly go where no Laker has gone before.

While students don't venture into the stars like the fictional crew members from "Star Trek," they have the next best thing: astronomy courses that provide opportunities to study the stars and the universe.

Rooted in the Physics Department, three astronomy courses are offered. Ross Reynolds, professor of physics, said these courses equip students with a heightened sense of curiosity.


Nate Orndorf, a fourth-year mathematics and physics major from Bellefontaine, Ohio, said the astronomy courses offer him the stimulating opportunity to study "the final frontier."

"As long as I can remember, I've loved looking up at the stars," he said. "Astronomy is a great way to learn more about what is out there, not only in the classroom, but also through stargazing and using telescopes."

Uncooperative weather often leads to Reynolds and other faculty members getting more creative with their class activities. Reynolds said telescopes are sometimes used for "star parties," which are informal gatherings outside of classes for students to look at planets, the moon and other interesting objects.

Low visibility was one of the challenges University Communications photographer Amanda Pitts and her team encountered when capturing the photo on these pages. Along with light pollution, weather and moon conditions, the team also battled the fast rotation of the Earth during their photo shoot at Wilderness State Park in Emmet County July 15-16.

"As soon as we had the shot set up, the Milky Way appeared to have moved in the mirror reflection, and we had to move all the equipment to get everything to appear where we wanted," Pitts said.

A man with dark hair, wearing a dark jacket, is looking down at a camera. The background is a dark night sky filled with stars, with the Milky Way galaxy visible as a bright, hazy band of light. The man's face is partially illuminated, and he appears to be in a dark outdoor setting.

A Canon 5D Mark III camera with a 24-70mm lens at 24mm was used to capture this image of mathematics and physics major Nate Orndorf studying the Milky Way galaxy. The camera settings were 6000 ISO and F2.8 with a 10-second exposure.



Watch a video of this photoshoot online at www.gvsu.edu/gvmagazine.

SEIDMAN COLLEGE EXPANDING EMBA

Employers investing in leadership

by Dottie Barnes

The aging baby boomers have dominated the work force since they entered it, and will now have a profound effect as they start to exit it.

Demographics show a large number of people across the country will be retiring over the next five to 10 years, and retaining talent will be the biggest issue for companies over the next decade.

“Many companies have been talking about this for at least a year or two: what to do when Generation X retires or when there is a gap after the last of the baby boomers retire,” said Diana Lawson, dean of the Seidman College of Business. “Employers are trying to figure out how to retain talented workers, and one way is to provide training to give them the skills they need to move up in the company.”

With that in mind, the Seidman College of Business is expanding its Executive Master of Business Administration (EMBA) program. A new general EMBA is being designed to emphasize strategic thinking and leadership for sustainable growth, and structured to balance professional, family and community responsibilities.

Grand Valley currently offers an Executive Health Care MBA created in 2013 through a partnership between Grand Valley and Spectrum Health. This EMBA is designed specifically for Spectrum Health leaders and

included 22 Spectrum employees in the first cohort.

“There was so much change and turbulence in the health care environment, we thought it would be beneficial for students to learn about specific health care issues and concerns that wouldn’t be addressed in a standard MBA class,” said Roger Jansen, senior vice president for System Strategy at Spectrum Health. “Our employees in the program are some of the highest performing and highest potential people, and we want them to know we are investing in them.”

After two semesters, Jansen said students are already implementing what they are learning. “Students said much of what they’ve learned has made them look at how they approach their problems and their work differently, so there has been some immediate application,” he said. “We’ve also received input and ideas from students on different directions we might want to consider as a health care system, both as a strategic direction as well as a product and services direction.”

The first cohort in the two-year EMBA program began in 2014, a second cohort started in August. It has become a successful model for a customized program for a specific organization and led to a discussion about meeting the needs of other West Michigan companies, including small- and medium-sized firms.

“We have many area companies that may want to send one or two students,” said Sridhar Sundaram, associate dean in the Seidman College of Business. “A general EMBA would

help them develop the talent pool they need.”

Lawson said they found that employees who are sent to top-flight EMBA programs, like those offered at Northwestern University or the University of Chicago, will typically end up leaving their jobs. She said the hope is, by developing employees locally and integrating them into the community, they will want to stay.

The general EMBA will be structured for people who have at least five years of relevant experience and each cohort will be kept small — up to 35 students. The program will incorporate team- and project-based learning, an international trip and leadership assessment with a coach for each student.

“The cohort model has been very successful over many years,” said Barry Van Dyck, director of Executive Education Programs in the Seidman College of Business. “Students get to know one another and become like a small family, even socializing outside of class. Students bring in their work challenges and the whole group offers solutions. Students will be exposed to many challenges that will help them become better leaders. They will





Students in the Executive Health Care MBA share ideas; Grand Valley will soon offer a general Executive MBA.

photos by Bernadine Carey-Tucker



understand the bigger footprint of the economy.”

Christina Gaydou-Pittman, '99, has been a manager of applications at Spectrum Health for the past eight years and is in the first cohort for the Executive Health Care MBA. She is responsible for managing ambulatory electronic medical records, and said the program offers a balance of great peer interaction, engaged faculty and a curriculum focused on delivering value to students, sponsors and the community.

“Being in a cohort with strong, executive leaders has been helpful as we’ve been problem solving within our day-to-day jobs,” she said. “I like the different opinions and perspectives that I’m getting to hear. I get to be a part of something that is bigger than my day-to-day work. It is eye-opening to see a bigger picture.”

Gaydou-Pittman said she and other students have been impressed with the one-on-one interaction with Grand Valley faculty and staff members.

“Grand Valley has gone above and beyond to make this a stellar program,” she said. “Our professors have been very helpful, especially as we learn in areas that are new to us. We are being well prepared to continue to grow as leaders; we are being given the skills we need through a great course curriculum.”

David Wohns, a longtime cardiologist at Spectrum, is also part of the first cohort. He has worked at Spectrum since 1989 and serves as medical director of the Cardiac Catheterization Labs and Interventional Cardiology Program at the Meijer Heart Center and Spectrum Health. He said the EMBA program is well-designed, relevant and challenging.

“The benefits of the program in making me a better leader and better at my job were tangible and relatively immediate,” said Wohns. “As we face increasing financial performance pressures in health care, the finance and accounting classes gave me a foundation for more meaningful participation in my department’s finance meetings. Similarly, the economics class helped me think more deeply about the complexities of health care economics.”

Wohns said he has been enriched by the range of perspectives shared by his classmates and faculty members. “The best part of the program is not only the exchange with students and

faculty, but the thoughtfulness and expertise the faculty bring to our class and the planning that has gone into making this a great program from the start,” he said.

The goal to launch the general Executive MBA is fall 2016 or winter 2017. For more information, contact Barry Van Dyck at (616) 331-7246 or vandyckb@gvsu.edu.

EMBA PROGRAM

Will accept up to 35 students in a cohort

Minimum of 5 years relevant experience

Team & project learning

International trip



SAILING AT 1/12TH SCALE

Engineering tradition celebrates 25 years

by Leah Twilley

It was a race to the finish on the high seas in the Fred M. Keller Engineering Labs during the 25th annual Wooden Shoe Regatta in July.

Junior-level students majoring in mechanical engineering readied their handmade sailboats for style and speed competitions to celebrate the conclusion of a summer-long course about fluid mechanics.

Using principles of fluid mechanics, like buoyancy and stability, students applied lessons they learned in class to model sailboats they built throughout the spring and summer semesters.

Shirley Fleischmann, professor of engineering, began incorporating sailboats as a way to teach the course when she taught at the U.S. Naval Academy in Annapolis, Maryland, in the early 1980s.

"I found that students weren't enjoying the course, and I felt they should not only understand fluid mechanics, but also enjoy the subject, since they would spend a lot of time on ships," Fleischmann said.

The idea to incorporate ships came to her while carving a small sailboat for her children.

"I remember thinking that I needed to find something to tie in all the material I was teaching in class, and I thought, 'This is it. I'm holding it,'" she said.



A group of 66 students participated in this year's 25th annual Wooden Shoe Regatta in the Fred M. Keller Engineering Labs.

photo by Elizabeth Lienau

It was a success among her students at the Naval Academy, so she taught fluid mechanics the same way when she joined Grand Valley in 1989. It has since become a tradition in the School of Engineering.

Students use a 2-inch by 4-inch by 10-inch block of basswood to construct the 1/12 scale model sailboats, complete with the important pieces of a sailboat: the hull, rudder, keel and sail. Throughout the semester, they conduct tests to predict how the full-scale version will operate, which Fleischmann said is the same process engineers have used for years.

"They do a lot of adjusting, which is good because they're thinking about the sailboat as a system, which is what engineering is all about," she said. "Students must think, 'I'm building a system, there are forces on it, how can I control those forces?' Whether it's the Eiffel Tower, a car or a boat, the process is the same."

At the end of the class, students submit a report of their tests and outcomes. Then they celebrate by showcasing their boats at the Wooden Shoe Regatta.

During the speed competition, students approach the 12-foot pool one at a time, place their sailboat in the water and release it. A line of fans at the edge of the pool serves as the wind tunnel and onlookers wait to see what happens. Most often the ship goes straight across, but the builder of the fastest boat is named the winner.

This year, the winner of the speed competition was Davis Moes, with a time of 4.67 seconds, and the winner of the style competition was Kyle Werner. Each winner receives a trophy — a wooden shoe from Holland, hand painted by Fleischmann.

The fluid mechanics class has grown from a class of 10 students in the early 1990s to a record group of 66 students this year.

Fleischmann estimated that about 750 students have constructed sailboats over the years, including Dave Nagy.



A
The 1/12 scale sailboats are constructed from a block of basswood. Students perform tests to predict how a full-scale version would operate.

photo by Jess Weal

B
Fleischmann helps a student prepare to launch her sailboat during a past regatta.

photo courtesy of Shirley Fleischmann

C
Students watch a sailboat race to the finish line at this year's Wooden Shoe Regatta.

photo by Jess Weal



After receiving a bachelor's degree in mechanical engineering in 2001, Nagy went on to earn a master's degree in naval architecture from the University of Michigan. He currently serves as a ship design manager for the U.S. Navy in Washington, D.C., where he works in the office responsible for building and designing Virginia-class submarines, a class of nuclear-powered fast attack submarines. He oversees the design and construction of all Virginia-class ships.

He said he learned a lot in Fleischmann's fluid mechanics class because she emphasized both theory and application.

"I've always had an interest in designing ships, so the experience of building a boat nicely dovetailed into what I had been interested in for a while," Nagy said.

The process of designing a submarine is a combination of all types of engineering, said Nagy. Mechanical, electrical, marine and structural engineering all impact the design of the ship and its systems.

He said that while his first sailboat design in Fleischmann's class was not terribly successful, he learned a lot from doing it, which helped him succeed in graduate school.

"The second your boat hits the water your mind starts working and you think, 'OK, I would change that, that and that,'" he said. "It was a very gratifying experience."

Engineering major Caitlyn Hurley, from Clinton Township, can relate. She said going from learning theory in the classroom to applying knowledge in the lab was really helpful.

"Building the sailboat and seeing it sail was fun, but the hardest part was collecting hull resistance data and analyzing that data to predict points of sail and how fast it would go if it was a full-size sailboat," said Hurley.

At the very beginning of the 12-week class, Fleischmann recommends her students observe full-size sailboats. And the best place for that, she said, is along the shores of Lake Michigan.

"I always say to them, 'Part of your assignment is to go down to the lake and observe the sailboats coming in and out of the channel. Look at where their mast is and what they look like under sail,'" she said. "They all have a pretty common design."

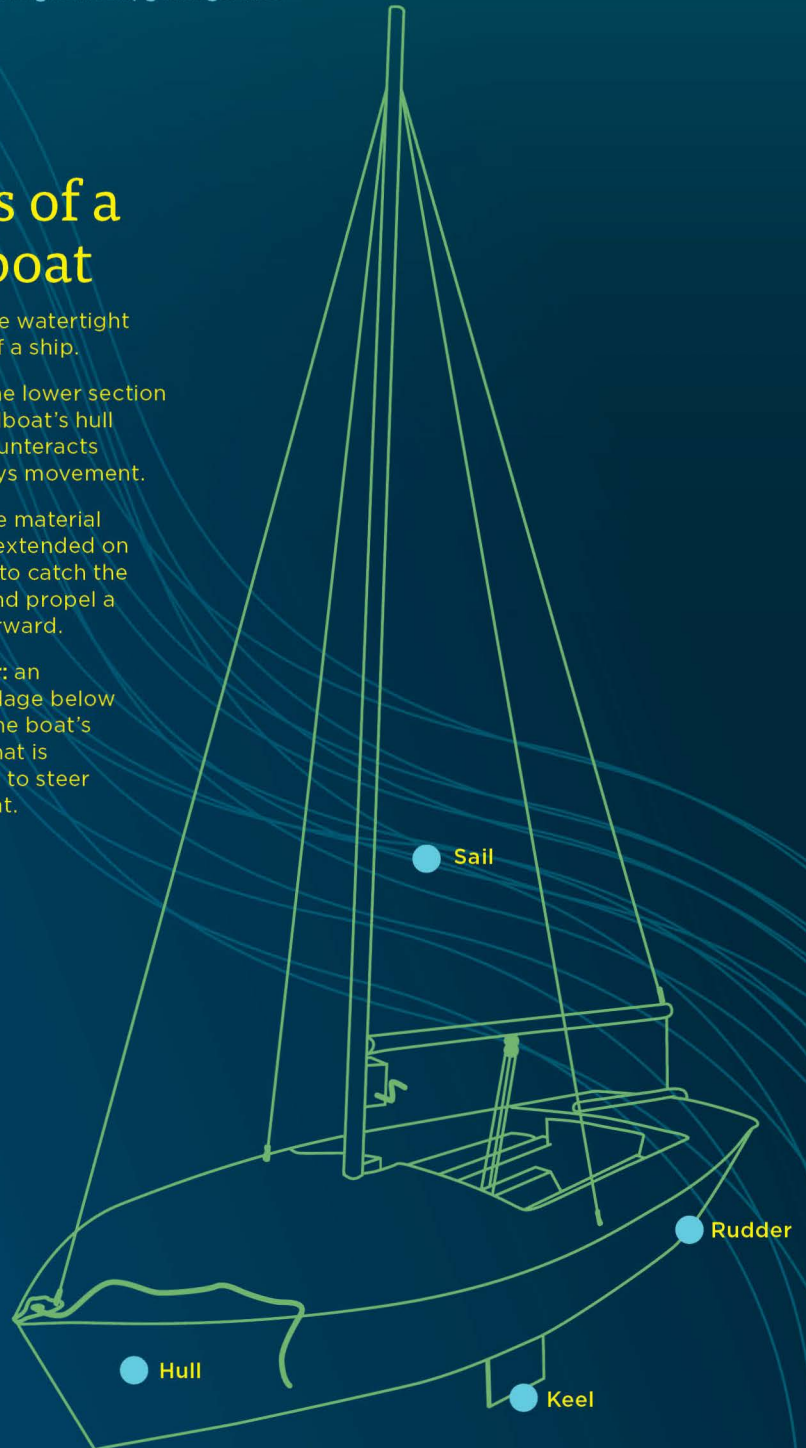


Watch the design process and the regatta in a video online at www.gvsu.edu/gvmagazine.



Parts of a Sailboat

- **Hull:** the watertight body of a ship.
- **Keel:** the lower section of a sailboat's hull that counteracts sideways movement.
- **Sail:** the material that is extended on a mast to catch the wind and propel a ship forward.
- **Rudder:** an appendage below or on the boat's stern that is rotated to steer the boat.





SAME SONG DIFFERENT VERSE:

SONG FOUNDATIONS LAY SHAKY GROUNDWORK FOR LAWSUITS

by Nate Hoekstra

When it was released in 1971, Led Zeppelin's iconic hit "Stairway to Heaven" became part of a proverbial soundtrack to a generation, driven by a powerful melody, stirring lyrics and a strong harmonic foundation: the immediately recognizable lead chord progression.

Perhaps that chord progression sounded familiar to members of a lesser-known band, Spirit, who wrote a song, "Taurus," with a very similar sound two years earlier. The songs were similar enough that the heirs

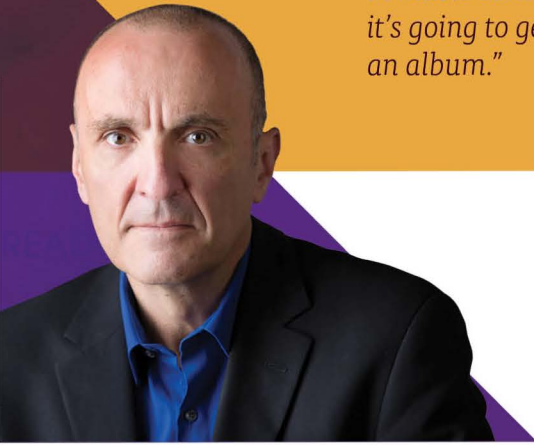
of Spirit founder Randy California have filed a lawsuit over the songs in Pennsylvania.

The 2014 lawsuit over the similarities between "Taurus" and "Stairway to Heaven" is one of many between artists who think another artist has used their intellectual property in a new song.

Pop artist Sam Smith recently agreed to give co-writing credit to rock superstar Tom Petty over similarities between Smith's hit "Stay With Me" and Petty's "I Won't Back Down." Robin Thicke and Pharrell Williams, who performed 2013's massively popular song "Blurred Lines," must pay \$7.3 million, a judge ruled, for infringing on the copyright of Marvin Gaye's 1977 track "Got To Give It Up."

Kurt Ellenberger, professor of music, said the problem with some of these lawsuits is that they are litigated over the parts of a song that can't be copyrighted.

He said a piece of music that falls into the pop, rock, country or folk genres is made, essentially, of four parts: the chord progression, which is the harmonic foundation for the song; the melody, which is the unique musical part of each song that's comprised of



"If lawsuits over copyright protections in music continue to go this direction, it's going to get really hard to release an album."

*Kurt Ellenberger,
Professor of Music*

a succession of single pitches; the lyrics; and the rhythmic elements.

"Pieces of music are like houses in a lot of respects," Ellenberger said. "They can look very different on the outside, and can be very unique and different from one another, but behind the walls and paint, most of them share a very similar structure and foundation. The basic model on which they are built is nearly the same."

Those foundations are the chord progressions, and while any number of chords could theoretically be put together, Ellenberger said that acoustics dictate there are only 48 chords in 12 keys that are pleasing to the human ear. Most, if not all, of today's acoustically pleasing chord changes were systematically defined by Johann Sebastian Bach in the early 18th century, he said.

"Bach was really the father of music, he figured out how those chords worked together," Ellenberger said. "Mathematics dictates that there's just a fixed number of chord progressions that can go together, and that number is even more limited in popular music, which is why chord progressions can't be copyrighted."

Ellenberger said the protected part of a song is the melody and the lyrics, not the harmonic foundation, which is why so many songs can be performed using identical chord progressions. A simple Google search for the phrase "same four-chord songs" yields nearly 800,000 results, and includes pages titled "73 songs you can play with the same four chords" and YouTube videos showing artists doing exactly that.

The problem specifically with the "Blurred Lines" lawsuit, Ellenberger said, is that the ruling came down to the ears of a jury, who based the ruling on the general feeling of the song, rather than understanding the difference between the harmony and the melody.

"If lawsuits over copyright protections in music continue to go this direction, it's going to get really hard to release an album," Ellenberger said. "Pop and country artists will particularly be hit hard if the rhythm and chord structures of the song are determined to be copyright protected."

In the world of classic rock, Spirit and Led Zeppelin are in a lawsuit, but those two songs are far from the only ones in the genre to share the same sound. Another mega-hit, 1976's "Hotel California" by the Eagles, shares the same arpeggio, as does "Time In A Bottle" by Jim Croce as well as chord progressions from Ray Charles and Jethro Tull.

Using the same harmonies with different tempos and melodies is nothing new, Ellenberger said. All of the classic rock songs listed above share construction with Frédéric Chopin's "Prelude in E-Minor," a piece of classical music that was written in the 1830s.

The reason there are limits on the number of chord progressions is based on the science of acoustics, Ellenberger said. The human brain is naturally programmed to identify sound waves that are complementary and simple, rather than those that are complex and incompatible.

"If I sit down at a piano and play you a series of chords that you've never heard before, but stop before the last note, you're going to inherently know what note is next. It's a natural reaction to sound," Ellenberger said. "Our brains are always making assumptions about what sound will be next based on simple ratios. Sound is just a series of waves, and our brain is always looking for the most logical and simple next step to a series of sounds. It's why some chord

progressions work and others don't."

He said the structural basis of pop, country, rock and folk songs is apparent when understanding how many songs are structurally the same before melodies and lyrics are built. Modern songs are produced by experts who know what makes an ear-catching tune, and are enlightened about what works and what doesn't.

"If you go to Nashville, the home of country music, they're producing songs at an extremely high level, where they know what kind of song is going to work for a particular artist," Ellenberger said. "They know that a certain tempo and melody will work. But if you laid a dozen modern country songs end-to-end, you would see that they have a great deal in common, many would have the same harmonic structure, and you could literally swap parts between the songs and it would make little difference to the overall presentation — you cannot do that with a Beethoven symphony, which is a more complex and organic process of composition."

While Ellenberger said that most modern songs share similar architecture at the base level, he said that technology has closed the gap between professional producers and amateurs at home.

"With computers and high-quality microphones more widely available than ever, it's easier for amateurs to produce studio-quality music. That's because computer users now have access to audio editing software that used to only be available to people with a studio and a producer," Ellenberger said. "Part of that access is the naiveté of the amateur — and I'm not saying this in a derogatory manner at all — they're making music that sounds good to them, without knowing that they're duplicating the same basic chord progressions and other concepts that have been around for hundreds, if not thousands, of years."

Ellenberger said most listeners hear songs as a single entity unrelated to other songs, and they are unable to hear the similarities at the foundation. This leads to a lot of duplication in certain genres, he said.

"This is not necessarily a bad thing — if it gets too complicated, it's no longer pop or country or folk, and the audience rejects it, so it has to re-use and recycle," he said. "Duplication is inevitable, but it's important, from a legal perspective, to be able to distinguish between what can be protected and what can't."

IT'S ALL ABOUT THE BASS

Check out the chromatic bass lines of *Stairway to Heaven*, *Time in a Bottle*, and *Hotel California*. Even though the melodies are drastically different, pay attention to the bottom line on each set of notes. In each song, the five note progression follows the same pattern, although the keys are different. It's this pattern that helps you hear the similarities in each of the songs.

STAIRWAY TO HEAVEN BY LED ZEPPELIN, 1971

A minor E major/G# C major/G D major/F# F major

There's a La - dy who's sure all that glit - ters is g-old and she's buy - ing a Stair - way to

This line is the same throughout each of the songs, despite having different melodies. Instead of reading the notes, look at this progression like a chart.

TIME IN A BOTTLE BY JIM CROCE, 1973

A minor E major/G# C major/G D major/F# D minor/F

If I could save time in a bottle the first thing that

HOTEL CALIFORNIA BY THE EAGLES, 1977

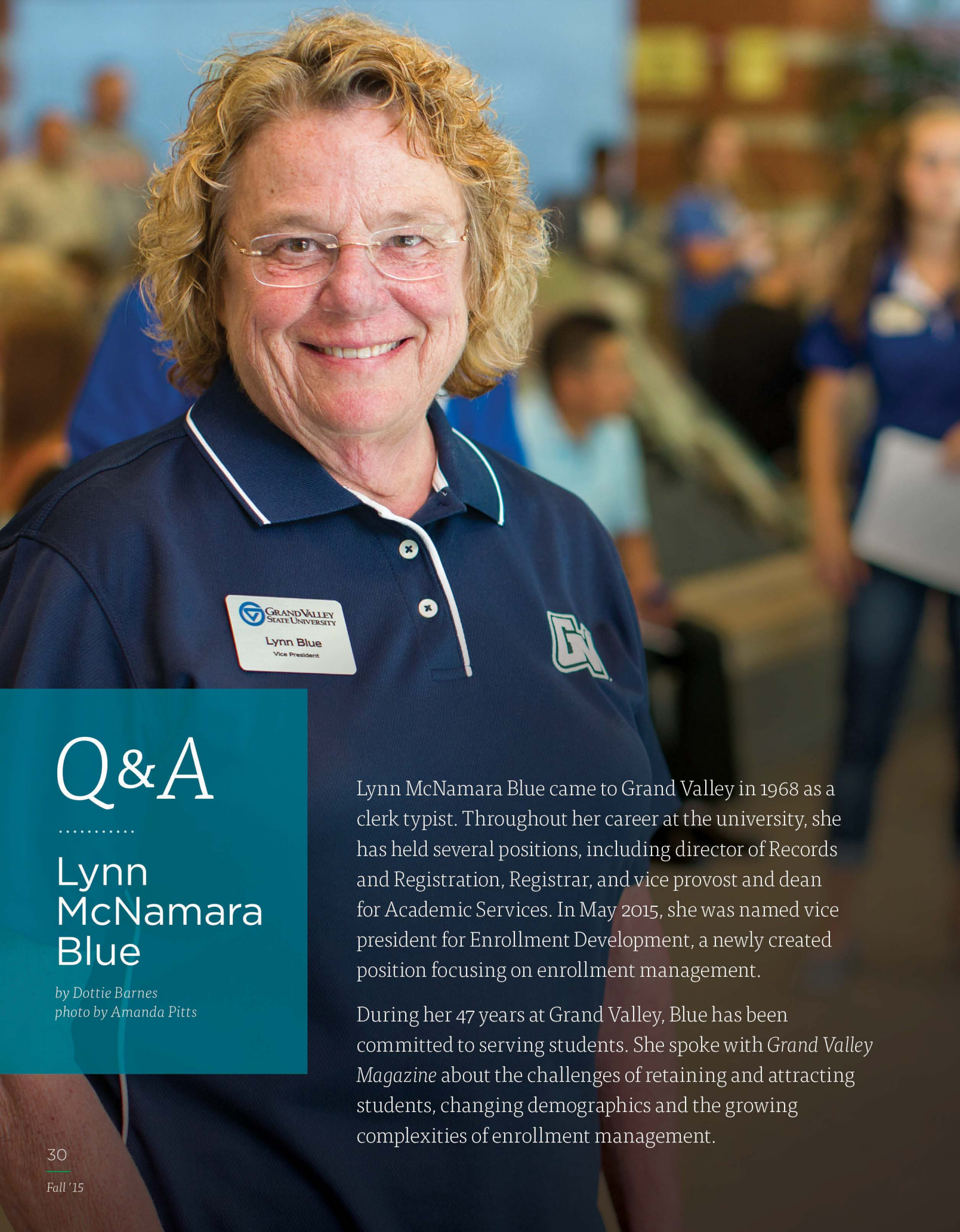
A minor E major/G# G major D major/F# F major

On a dark des-ert high-way cool wind in my hair Warm smell of co-li-tas ri-sing up through the air Up a-head in the dis-tance

SOUNDS LIKE ...

Some of these artists have similar sounding songs, but with different melodies and lyrics:

IF YOU LIKE:	THEN LISTEN TO:
Katy Perry, "Roar"	Sara Bareilles, "Brave"
Sam Smith, "Stay With Me"	Tom Petty, "Won't Back Down"
Kelly Clarkson, "Already Gone"	Beyoncé, "Halo"
One Direction, "Best Song Ever"	The Who, "Baba O'Riley"
The Police, "Roxanne"	Bruno Mars, "Locked Out Of Heaven"
Coldplay, "Clocks"	David Guetta, "When Love Takes Over"
Journey, "Don't Stop Believing"	Jason Mraz, "I'm Yours"



Q&A

.....

Lynn McNamara Blue

by Dottie Barnes
photo by Amanda Pitts

Lynn McNamara Blue came to Grand Valley in 1968 as a clerk typist. Throughout her career at the university, she has held several positions, including director of Records and Registration, Registrar, and vice provost and dean for Academic Services. In May 2015, she was named vice president for Enrollment Development, a newly created position focusing on enrollment management.

During her 47 years at Grand Valley, Blue has been committed to serving students. She spoke with *Grand Valley Magazine* about the challenges of retaining and attracting students, changing demographics and the growing complexities of enrollment management.

GVM: What prompted the creation of this new position?

LMB: If you look across the nation, it is very common to have a cabinet level position focused on enrollment. It's time now because of the demographic pressures and enrollment challenges. Some of the stats through 2027 show a significant loss in high school graduates in Michigan. We're not the only state losing those numbers.

GVM: What will be done to face these challenges?

LMB: We are putting an institutional focus on enrollment. Grand Valley is pretty special, so we are fairly selective. We want good students. We know what works — improving admissions requirements, attracting and retaining better students, having strong academic programs with first-rate faculty and adding graduate programs where they fit. We want to do more strategizing, but the basic tenets work.

GVM: Grand Valley has enjoyed record enrollment for several years. What about recruiting and retention?

LMB: We have been very successful in achieving our enrollment goals — 24,000-26,000 students. The number of high school graduates has been dropping since 2008, but our headcount has not. We have been doing some things right and, increasingly, people in the state understand that Grand Valley is a good value. We have a lot of people working very hard to recruit strong applicants.

With retention, we always want to do better. We want 100 percent, but of course you're not going to be at 100 percent. You recruit students one by one, and you retain them one by one. It is a relationship that retains a student, not a program. You can have a lot of programs designed to work with students, but it's the individual working with the individual that saves that student.

GVM: You could say retention is everybody's work.

LMB: Absolutely. The office receptionist, people in financial aid, the support staff in the academic units — it's everybody's work. Faculty members are the most critical connection. Students come here for an academic program and they get jobs and into graduate schools because of their connections with the faculty within their majors.

GVM: Speaking of retention, how did Grand Valley retain you for 47 years?

LMB: I'm hard to get rid of! I came here when it was a very small school. The cool thing about a place that's small and growing is that you can do things. I happen to love change; I happen to love making new stuff and solving problems. So, it was the right place for me.

I had latitude to do different things that I might not have had at an institution that's been around for 125 years. This has been such a great environment and we're still growing. It's a hard place to leave, and I think many people feel that way.

GVM: It must have been incredible to see Grand Valley change over five decades.

LMB: I'm one of the fortunate few who has worked at a place that every decade was a different place. It was a different size, it was a different composition, there were different buildings, there were new challenges. I didn't have to go to another institution to work at a bigger institution. The fact that I embrace change helps me a lot. I don't see myself the same as I was in 1967. I adapted to what the institution became in each of those decades.

GVM: You have said you have a soft spot for college-age students.

LMB: The time between ages 18-23 is a huge developmental period. These people come in walking around in adult bodies, but still kids inside. They are idealistic and eager to get out there and do great things. I love watching them grow into people with a little less kid in them. You can almost tell what year a student is from their mannerisms. You can see it in their eyes when they know, "I got this. I got this nailed. I am a good student." I just absolutely love it.

GVM: Those who know you well don't call you Lynn. How did you get the nickname Chick?

LMB: I answer more quickly to Chick than Lynn because from the time I was 3 days old I've been called Chick. I was born when my dad returned home from World War II. I was in a basket on our table and my uncle said to my dad, "You finally have your little chick," and I've been called it ever since. Even in my school records I am listed as Chick McNamara with Lynn in parenthesis.

I'm one of 17 children. I am the third oldest and the oldest girl. We all came singularly, we didn't come in multiples. I learned how to stay organized from my mother because I was lieutenant mother. I still can only cook for 20.

GVM: It's a rare thing to remain passionate for one job for so long. I've heard you say this is your life's work.

LMB: I had a moment today. I'm going to get teary-eyed for a minute. I had a meeting this morning and when I came downstairs, I stopped at my door and read the sign. And, I wondered what my mom would be thinking if she knew I worked in the office of the president. It occurred to me at that moment, what a wonderful life I've had, and what wonderful opportunities I've had and continue to have. It means so much to work with people who have skin in the game and it's not just a job for them. How could you ask for more?

Fall 2015

- 25,325** Record number of students
- 4,155** Number of first-year students
- 82%** First-year to second-year retention rate
- 4,136** Record number of students of color
- 434** Record number of international students

Living in less than 98 square feet

Alumni join tiny house movement to support careers,
strengthen relationships *by Michele Coffill*

Two people and two dogs are traveling the country, coexisting in 98 square feet of living space.

On some nights their backyard has been the vast openness of the Yukon Territory in northwest Canada, other nights it was Bridge Street in downtown Grand Rapids.

Kelly Tousley, '11, and Curtiss O'Rorke Stedman joined the tiny house movement in June after purchasing a utility trailer and outfitting it for adventure. They took their dogs and some of their belongings and left their Juneau, Alaska, home in June to hit the road to build O'Rorke Stedman's rising music career.

Also in June but in the southwest U.S., Kristin Connolly Schillaci, '05, and Tony Schillaci, '06, returned to Santa Fe, New Mexico, after spending a year on the road living in an 18-foot-long, 1980 Coachman trailer. They traveled 25,000 miles to 30 juried art shows in 35 states to sell Kristin's fine art photographs. They also were on the road with two big dogs.

THE SCHILLACIS

Kristin, who graduated with a bachelor's degree in photography, said the couple first talked about traveling the country two years ago when they were backpacking in the Grand Canyon.

"We were at the bottom of the canyon for three nights and it was the happiest we had been in years," she said. "Everything we needed was on



Tony, '06, and Kristin, '05, Schillaci traveled with their dogs to 35 states last year to sell Kristin's artwork.
photos courtesy of Kristin Connolly Schillaci

our backs. We thought, 'Something needs to change.'"

The tiny house movement, while glamorized by television networks like HGTV, is more than the romantic notion of traveling the country in a trailer or camper. At its root is the need to downsize lifestyles, whether for economic reasons or environmental concerns. For these two couples, it meant learning to live with less to support a career.

Tony graduated with a bachelor's degree in music education. He worked for seven years as the band director at Santa Fe High School; Kristin was a part

owner of a Santa Fe print shop. "I was helping other people with their artwork but couldn't find the time to support my own photography," she said.

Spending each weekend traveling in the southwest to an art show became the norm, albeit a tiring routine for them. Tony said he would come home from football games on Friday nights to help Kristin set up for a show, return on Saturdays to be with his band for regional competitions, then help Kristin tear down on Sundays.

"We were like two ships passing in the night," she said.



SOUTH FROM ALASKA

After Tousley graduated with a bachelor's degree in behavioral science, she moved with O'Rorke Stedman to Alaska, where he landed a teaching job after graduating from Northern Michigan University. Tousley found work as a case manager for children with disabilities. She said they were both happy with their careers, but the idea that O'Rorke Stedman's (who performs as Cousin Curtiss) music could be more than weekend gigs at bars kept coming to the front burner. He brings a unique style of Americana and blues to his performances and has produced four albums.

"We constantly asked ourselves, 'How do we travel and make a living doing it?'" Tousley said.

After two years of planning, they bought a utility trailer from a Craigslist posting and began a yearlong process to convert it to a house. They watched a lot of YouTube videos and learned by trial-and-error.

The trailer's walls are insulated and it has two windows, a solar-powered generator and a shower but without running water (they use a camp shower). There is a kitchenette and desk, the couch folds out to a queen bed (dog beds are stored in the back of the truck, but typically one or both dogs sleep with them). Tousley took ideas from Pinterest to help fashion wall storage. There is a two-tank toilet but she cautioned it's only for urine.

After traveling from Alaska to Michigan to Ohio, Tennessee, West Virginia, Virginia, Florida and Alabama, they will spend the late fall on tour in

Colorado. "By doing this, we're able to pepper areas and return to a venue more than once, hopefully creating a snowball effect," he said.

Before leaving Alaska, Tousley earned a master's degree in early childhood special education. She said that was part of the plan.

"We tell people who want to do what we're doing to do it but have a back-up plan. I have a master's degree and Curtiss can return to teaching," she said. "We're able to follow our passion."

Follow their blog or like them on Facebook at "Pay Gas, Not Rent."

RETURNING HOME

The Schillacis said it was an interesting transition back to Santa Fe. "After living in 90 square feet, I feel weird being back in our house," Kristin said. They have since rented a smaller home and have renters living in their first house.

A year on the road has boosted her creativity and confidence. "I'm a fine art photographer, that's what I went to school for," Kristin said. "My confidence in my body of artwork has deepened."

Tony, too, said his travel experiences will aid him greatly in his new job as an elementary school music teacher.

"My perspective and view of the world has changed," he said. "I stepped away from life to think more about it in a different way and to find out what's important to me."

Both couples said their relationships strengthened.

"People would ask us if we got sick of each other, but we were so content," Kristin said. "We were so busy in our previous life, what better option than to explore the country with the best assistant at art fairs."

"Our relationship is much stronger. Out in the world, we had a very happy dependency."



Tour a tiny home in a video posted online at www.gvsu.edu/gvmagazine.

Kelly Tousley, '11, and Curtiss O'Rorke Stedman visited Grand Rapids in August. They left Alaska in June after outfitting a utility trailer into a tiny house.

photos by Bernadine Carey-Tucker



Celebrating 40 YEARS of international collaboration, friendships *by Michele Coffill*

International relations major Nicolaus Solecki visited the Padnos International Center (PIC) two years ago with the thought of studying abroad for a semester. He had in mind going to London or maybe Oslo, Norway.

With an open mind and after a few email exchanges, Solecki ended up spending a year in Krakow, Poland. When he graduates next year, Solecki will have a dual degree from Grand Valley and the Cracow University of Economics.

“I started thinking of a semester study abroad program but PIC emailed me about the opportunity to go to CUE,” said Solecki, a native of Flushing. “When I’m done I will come away with two degrees for the price of one.”

Solecki is participating in the Studies in Trans-Atlantic International Relations (STAIR) program, which was established in 2008 with funding from the U.S. Department of Education and the European Union.

Although STAIR is no longer fully funded, it is one example of the many collaborative programs and exchanges between Grand Valley and Cracow University of Economics. The two institutions are celebrating a 40-year

partnership this year; festivities began in Poland in May when President Thomas J. Haas received an honorary degree, and will end in December when CUE Rector Andrzej Chochol is honored at Grand Valley’s commencement.

CUE is Grand Valley’s oldest international partner. President Emeritus Arend D. Lubbers signed the initial partner agreement with CUE officials in 1975.

Solecki enjoyed his CUE classes and being in central Europe. “I visited Budapest, Vienna and Prague,” he said. “There were a lot of other international students in Krakow. Every Monday night was student night and I even met another student from Grand Valley.”

Solecki was in the audience at CUE when Haas gave a convocation address and received an honorary degree. “I had an opportunity to go to another ceremony where CUE faculty were named full professors. It was very

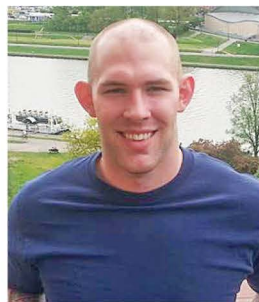
much like an old European, medieval ceremony,” he said.

Polly Diven, professor and director of the International Relations program, has visited CUE several times and presented lectures there. “It’s a beautiful, historic city,” Diven said. “The campus is easy to get around and the faculty are easy to get to know.”

CUE faculty members have visited Allendale, and Diven said that has added to the globalization of Grand Valley. “We have had many faculty members teach classes here, so even if students don’t travel, it makes for a more international classroom, hearing their ideas and learning about their backgrounds,” she said.

Solecki will return to CUE next year to defend his thesis on trans-Atlantic trade and investment partners.

“Going abroad to study and learn shows that you are willing to work with other cultures, and you are going beyond your comfort zone,” he said.



Nicolaus Solecki

GVM ONLINE Watch a video celebrating 40 years of an international partnership online at www.gvsu.edu/gvmagazine.

HIGHLIGHTS OF A 40-YEAR PARTNERSHIP

- 1975** Grand Valley faculty members Christine Rydel and Ezra Gearhart, plus members of the Grand Rapids Polish Heritage Society, travel to Poland to establish further contacts in Krakow.
- 1978** First CEU faculty scholar visits Grand Valley.
- 1981** Lubbers presents honorary doctorate to Rector Antoni Fajferok at Grand Valley commencement.
- 1989** Lubbers receives CUE honorary doctorate.
- 2005** 30th year of partnership, more than 275 Grand Valley students have studied at CUE.
- 2008** STAIR (Studies in Trans-Atlantic International Relations) program begins. Students from both universities can obtain dual degrees, increases opportunities for faculty exchanges. Program jointly funded by the U.S. Department of Education and the European Union.
- 2013** Funding for STAIR program ends.
- 2015** Haas receives honorary doctorate and signs new five-year agreement.

President Thomas J. Haas talks with Rector Andrzej Chochol after a ceremony at the Cracow University of Economics.



Citizens in science and philanthropy

by Abigail Sladick, '07

It's almost as good as a Grand Valley love story gets. Kenneth (Kent), '09, and Gina, '08, (Hinel) Games met on campus during welcome week 2005.

Gina was Kent's Transitions orientation leader, and the two bonded over Laker football and their fascination with science.

The daughter of a pharmacist, Gina knew early on that she wanted to follow in her father's footsteps, and the high-caliber of courses in the sciences at Grand Valley confirmed her decision to pursue her childhood aspirations.

"I saw the importance of the pharmacist in the health care team. I got hooked on science at Grand Valley and wanted to integrate my science education with patient interactions," she said.

Making academics a priority, Kent and Gina maintained membership with honor societies.

"We both believe the education at Grand Valley directly impacted our future success," Gina said. "It not only laid the groundwork for us to pursue advanced degrees, but also taught us how to be citizens in our ever-changing society."

After earning bachelor's degrees in biomedical science (Gina) and athletic training (Kent), the couple moved to Alabama to pursue advanced degrees at Auburn University. While at Auburn, Kent uncovered a love for teaching and research. By 2013, he earned a master's of education degree in exercise science and a doctoral degree in kinesiology.



In recognition of their gift to the CLAS Margin of Excellence fund, alumni Kent, '09, and Gina, '08, Games now have a conference room on the fourth floor of the P. Douglas Kindschi Hall of Science named for them.

Gina received a doctor of pharmacy degree in 2013, the same year the couple got married.

Now settled in Terra Haute, Indiana, the Gameses are developing their careers. Gina is a pharmacist at a local pharmacy and Kent is an assistant professor and director of clinical education for the Athletic Training Program at Indiana State University.

Following the announcement of the P. Douglas Kindschi Hall of Science, the Gameses were drawn toward financially supporting the College of Liberal Arts & Sciences Margin of Excellence Fund. The endowed program was established so that more students will have access to scientific research and other professional development opportunities that can lead to peer-reviewed publishing. The program will enhance the science curriculum and help Grand Valley meet Michigan's increasing demand for high-quality graduates in the science, technology, engineering and mathematics professions.

Kent and Gina recalled the hands-on experiences they each had while taking science courses at Grand Valley and

emphasized the importance of student-centered scientific research.

"Giving back and contributing to the Margin of Excellence Fund was an easy decision. Grand Valley truly is our foundation and much of our ability to be in a position to give back can be directly tied to our experiences on campus," Kent said. "This was the least we could do for a place which has given us so much."

The couple's Grand Valley story is about more than just a romance that started on campus during welcome week; it's about marrying their love for science and philanthropy to create a promising academic future for generations of Lakers to follow.

"We really hope the students take advantage of the opportunities they have to work with top-notch faculty in a state-of-the-art facility using leading technology to become not only active members of their given career paths, but also leaders and stewards to their professions," Kent said.



Hear more from the Games in a video posted online at www.gvsu.edu/gvmagazine.



Young Alumni Award to be presented at commencement

The Alumni Association will recognize Jessica Cruz, '06, with the Young Alumni Award for her outstanding accomplishments as a professional. The award will be presented at the university's commencement ceremony on December 12.

Cruz has dedicated her life to advocating

for equal access to education. A founder of the Center for Latin@ Studies at Ferris State University, Cruz advances the center's mission to increase students' access to higher education.

While at Grand Valley, Cruz was an active member of the Latino Student Union and Amnesty International. She was a tutor and counselor for the TRIO Upward Bound program, and also conducted research on bilingual education through the McNair Post-Baccalaureate Achievement Program.



Jessica Cruz, '06, will receive the Young Alumni Award at commencement on December 12.



The Laker women's cross country team holds NCAA Division II championship trophies. Cross country alumnae won the Varsity Challenge in both categories in 2014-2015.

Varsity Athlete Alumni Challenge finishes record year

Grand Valley Athletics completed its inaugural "Varsity Athlete Challenge" on June 30.

The challenge was a friendly yearlong competition that encouraged former student athletes of Laker varsity teams to financially contribute to the university.

Of the 3,749 former student athletes, there were 128 first-time donors and 589 total donors (16 percent of all former athletes) who raised nearly \$220,000.

The varsity sport with the highest percentage of alumni participation was women's cross country. That alumnae group was also the team with the largest increase in giving participation over the previous year. Head coach Jerry Baltes and his current team will receive \$2,000 in their operating budget for the 2015-2016 fiscal year.

The second Varsity Athlete Challenge kicked off in July. Gifts given to any fund at the university will count toward participation. Support the challenge at www.gvsu.edu/alumni/varsitychallenge.

Careers

1970s

David A. Sadler, B.S., 1974, is a pathologist for Trinity Health in Livonia.

Bruce R. Spaanstra, B.B.A., 1974, is an owner of 616 Marketing LLC in Cedar Springs.

Deborah L. Sumner, B.A., 1974, retired from education after 38 years as a teacher, administrator and professor.

Scott F. Smith, B.S., 1975, is a managing partner of NXG Strategies LLC in Brentwood, Tennessee.

Katha S. Kissman, B.S., 1978, is the co-author of a book, *Transformational Governance: How Boards Achieve Extraordinary Change*.

Mark R. Armitage, B.S., 1979, is the corporate quality manager for TG Manufacturing in Grand Rapids.

1980s

Carol L. Brandt, B.S., 1983, is the president of Michigan Travels Gourmet Specialties in St. Joseph.

Daniel W. Goodman, B.S., 1984, is the Corpus Christi area manager for Orion Marine Group in Deer Park, Texas.

John P. Fitzgerald, B.S., 1985, is deputy chief and commander of the patrol division for the City of Southfield Police Department.

James A. Nielsen, B.S., 1987, is superintendent for Orchard View Schools in Muskegon.

Steven C. Woodard, B.B.A., 1988, is the assistant vice president of underwriting for Lockton Affinity in Overland Park, Kansas.

1990s

John R. Kowalski, B.S., 1992, is the vice president of marketing for Variable Inc. in Chattanooga, Tennessee.

Vincent J. Macfadden, B.S., 1992, M.B.A., 2005, is an operations director for Rockford Specialties Custom Metal Products in Rockford, Illinois.

Mary T. McGraw-Bigelow, B.S., 1993, is an owner of Celtic Acres in Rockford.

Daniel P. Rohn Jr., B.S., 1993, is a mortgage consultant for Brook Mortgage in Grand Rapids.

David A. Gehrke, B.B.A., 1994, is the vice president of procurement and supply chain for RGIS LLC in Auburn Hills.

Anthony J. Clark, B.S., 1996, is a network engineer for Frontier Communications in Rochester, New York.

Laura E. Cicholski, B.S., 1997, M.P.A.S., 2000, is a recruiter for PA Solutions in Holland.

Jason L. Perry, B.S., 1997, is a product development manager for General Formulations Inc. in Grand Rapids.

Jessica A. Ping Hausman, B.B.A., 1997, received the national Emerald Award from Northwestern Mutual in Milwaukee, Wisconsin.

Betty J. Carter, B.S., 1998, is a court recorder and collections clerk for the 27th Circuit Court in Hart.

Brian P. Kurisky, M.Ed., 1998, is the director of advising and academic support programs and assistant dean of the honors college for Old Dominion University in Norfolk, Virginia.

Shelby L. Hughes, B.S., 1999, M.Ed., 2006, is a work-based learning and CTE curriculum specialist for the West Shore Educational Service District in Ludington.

Jane M. Russell, B.B.A., 1999, is the vice president for finance at Eight Cap Inc. in Greenville.

Norma J. Shunta, B.A., 1999, retired as a teacher from Orchard View Schools after 15 years of service.

2000s

Letisha L. Allen, B.S., 2001, is a probation/parole officer for the North Carolina Department of Public Safety in Mecklenburg County.

Megan A. Cyrulewski, B.A., 2001, is a court mediator for Megan Cyrulewski Mediation in Troy.

Christopher M. Mabie, B.A., 2001, is the political director for the Libertarian Party of Michigan.

Rebecca R. Duke, B.S., 2002, is a marketing and public relations specialist for Range Bank in Marquette.

James E. Chapman, B.S., 2003, is a physical education teacher for St. Joseph Catholic School in Howell.

Autumn M. Hunter, B.A., 2003, is an assistant general counsel and director for Bank of America in Washington, D.C.

Melissa H. May, B.B.A., 2003, is an accounting supervisor for Leprino Foods Company in Allendale.

Lyndsie M. Post, B.A., 2003, is the director of communications for Davenport University in Grand Rapids.

Tracey A. Flower, B.A., 2004, is an executive director for Vail Symposium in Vail, Colorado.

Ryan N. McCallum, B.S., 2004, is the director of campus recreation for Gannon University in Erie, Pennsylvania.

Carrie M. Nolan, B.S., 2004, is a senior account executive for Campbell Marketing and Communications in Dearborn.

Erin E. Sedlacek, B.B.A., 2004, is an accountant for Beckman Productions Services Inc. in Traverse City.

Aaron L. Dawkins, B.B.A., 2005, is director of product analytics for Ally Financial in Detroit.

Amanda R. Hamilton, B.A., 2005, is a licensed insurance agent for 44 North in Cadillac.

Diana L. Lightfoot, M.P.A.S., 2005, is a physician assistant for Thornapple Valley Family Physicians in Hastings.

Sarah L. Minner, B.A., 2005, is the center director for Lakeshore Pregnancy Center Positive Options.

Douglas J. Stob, B.B.A., 2005, is the branch manager for Wells Fargo Advisors in Holland.

Marcus D. Wallace, B.S., 2005, M.P.A., 2015, is a probation/parole agent for the Michigan Department of Corrections.

Joshua M. Anderson, B.B.A., 2006, is a superintendent plant manager for Louis Padnos Iron & Metal Company in Wyoming.

Stephanie S. Boxx, B.A., 2006, is a first-grade language arts teacher at Lee Elementary in the Cypress-Fairbanks ISD in Texas.

Marlene M. Burns, B.S., 2006, is a contracts and grants specialist for Indiana State University.

Jacob A. Burritt, B.S., 2006, is a territory manager for Storm Smart Industries in Punta Gorda, Florida.

Fahmy A. Mamuya, B.S., 2006, is a clinical research fellow at Massachusetts General Hospital and Harvard Medical School in Boston.

Brett A. Minner, B.A., 2006, is a logistics manager for Lean Logistics in Holland.

Robert H. Bishop, B.B.A., 2007, is the associate vice president-investment officer for Wells Fargo Advisors in Holland.

Kenneth L. Coleman, B.S., 2007, is the division recruiting and training manager for Kroger in Novi.

Alexis L. Silsbe, B.A., 2007, is an assistant city counselor for the City of St. Louis, Missouri.

Joseph E. Shafer, B.S., 2008, is the development and zoning director for Genoa Township in Pennsylvania.

Kenneth K. Henderson, B.S., 2009, is a development specialist for Bethany Christian Services in Grand Rapids.

David P. Milanowski, B.B.A., 2009, is a project manager in the Sales and Response Studio at Haworth in Holland.

2010S

Attila Bokor, B.S., 2010, M.S., 2014, is an ERP systems administrator for Foundation Building Materials in Grand Rapids.

Eric J. Garvelink, B.S., 2010, M.Ed., 2012, is the assistant director for Campus Recreation at Grand Valley.

Jessica F. Guido, B.A., 2010, is a digital community assistant for Lands End in Dodgeville, Wisconsin.

Morgan E. Lind, B.S., 2010, is an admissions counselor at Grand Valley.

Stephen J. Nagrant Jr., B.S., 2010, is a strategic partnership developer for the Detroit Red Wings.

Mary S. Pritchard, B.A., 2010, is a digital content specialist for the American Medical Association in Chicago, Illinois.

Molly E. Walker, B.S., 2010, is the library director for the Henrika District Library in Wayland.

Alonzo E. Demand, B.B.A., 2011, is a human resources generalist for Goodwill Industries of Grand Rapids.

Kaitlyn E. Dwyer, B.S., 2011, is a doctor of optometry for the Veterans Affairs Medical Center.

Kelly E. Godmar, B.S., 2011, teaches students with cognitive impairments at Genesee Intermediate School District.

Kasey R. Keigley, B.A., 2011, is a project manager for Precision Dynamics International in Franklin, Tennessee.

Judi Betancourt, M.S., 2012, is a major account representative for recycling at Waste Management Corp. in Tennessee.

Christopher D. Gale, B.A., 2012, is an administrator for Catholic Social Services, Casa del Carmen, in Philadelphia, Pennsylvania.

Jillian R. Wheeler, B.B.A., 2012, M.S.A., 2014, is a staff accountant for Yeo & Yeo CPAs & Business Consultants.

Rachel A. Wion, B.S., 2012, is a project lead for PrizeLogic in Southfield.

Rachel E. Engels, B.S., 2013, is a speech language pathologist for Aegis Therapies in Lincoln, Nebraska.

Chardonay B. Henderson, B.S., 2013, is an executive administrative assistant for the United Methodist Community House in Grand Rapids.

Eric J. Schwab, B.S., 2013, is a certified athletic trainer at Cheraw High School in Cheraw, South Carolina.

Devan M. Dodge, B.S., 2014, is an environmental quality analyst for the Michigan Department of Environmental Quality in Lansing.

Jonathan J. Fritz, B.S., 2014, is a prevention specialist for Mercy Health in Muskegon.

Rocio D. Vera, B.S., 2014, is an assignment coordinator for Housing and Residence Life at Grand Valley.

Alexandra K. Calderon, B.A., 2015, is an eighth-grade ELA teacher for Godwin Heights Public Schools in Grand Rapids.

Alaina Korreck, B.S., 2015, is an associate for Lambert, Edwards & Associates in Grand Rapids.

Send us your little Laker photos

Email photos to alumni@gvsu.edu and your baby could be in a future *Grand Valley Magazine*.



Jack, son of Ben, '02, and Chrissy Witt.

Hunter D. Stanley, B.B.A., 2015, is a data analyst for Equity Transportation Inc. in Grand Rapids.

Celebrations, Births, Weddings

1990s

Tiffany D. Jones, B.S., 1998, M.B.A., 2002, and Tony L. Miller, B.B.A., 1998, M.B.A., 2002, announce daughter, Evan Elizabeth, born August 3, 2015. The family resides in Macomb.

2000s

Melanie D. (Gabris) Lyonnais, B.S., 2000, and Christopher Lyonnais, B.B.A., 2000, announce son, Gabe Louis, born June 17, 2015. Gabe is welcomed by brothers Jacob, Owen and Dylan. The family resides in Muskegon.

Nicole M. (Victor) D'Apice, B.S., 2001, and James D'Apice announce son, Nicholas John, born March 9, 2015. The family resides in Gilbert, Arizona.

Rebecca S. (Booms) Socia, B.F.A., 2001, and Jared Socia announce daughter, Megan, born December 1, 2014. The family resides in Roscommon.

Eliza C. Bivins-Fink, B.A., 2002, and Howard Fink announce son, Elliot, born May 29, 2015. The family resides in Whitmore Lake.

Aaron M. Seifferlein, B.A., 2002, and Ana Lozano announce son, Samuel, born April 23, 2015. Samuel is welcomed by brothers Sebastian and Santiago. The family resides in Sandusky, Michigan.

Miriam G. (Wenger) Fant, B.A., 2004, M.Ed., 2011, and Dustin M. Fant, B.B.A., 2004, M.Ed., 2012, announce son, Daniel Aaron, born April 29, 2015. The family resides in Rockford.

Rachel Anna (Cammenga) Yoritomi, B.B.A., 2004, and George Yoritomi announce daughter, Tessa Lynnette, born October 11, 2014. Tessa is welcomed by sister Yvette. The family resides in Chicago, Illinois.

Kourtney E. (Kehrer) Arlhac, B.S., 2006, and Stephanie Arlhac on June 14, 2013.

Lisa E. Davis, B.A., 2006, and Dan O'Brien on May 22, 2015.

Christopher J. Gerlica, B.A., 2007, and Matthew Lariviere on June 6, 2015.

Angela M. (Taylor) Helmstetter, B.B.A., 2007, and David Helmstetter on May 2, 2015.

Alexis L. Silsbe, B.A., 2007, and Aeric Bauman on October 12, 2014.

Kristine L. (Kozlowski) Soles, B.S., 2007, and Alexander Soles announce daughter, Emelia Therese, born April 19, 2015. Emelia is welcomed by sister Madelynn. The family resides in Bloomington, Indiana.

Kristin M. (Davis) Crawford, B.S., 2008, M.S.W., 2012, and Tyler J. Crawford, B.B.A., 2010, announce son, Declan James, born May 22, 2015. The family resides in Grand Rapids.

Rachel C. (Selgo) Jonaitis, B.B.A., 2008, and Charlie Jonaitis, announce son, Tucker Jack, born June 6, 2015. The family resides in Grand Rapids.

Ross Abraham, B.B.A., 2009, and Katharine Abraham on April 25, 2015.

Travis M. Cree, B.S., 2009, M.S., 2011, and Kelly Cree on June 20, 2015.

Joshua F. Green, B.S., 2009, and Chelsea Green announce daughter, Adalyn Maree, born November 13, 2014. The family resides in Grand Haven.

2010s

Jeremy R. Schellie, B.S., 2010, and Kelsey L. Letourneau, B.A., 2010, on August 8, 2015.

Stefanie A. (Hosford) Snyder, B.A., 2010, M.P.A., 2012, and Eric R. Snyder, B.S., 2006, announce daughter, Anastasia Love, born May 10, 2015. The family resides in Grand Rapids.

Kristin M. (Ripley) Tomlin, M.Ed., 2011, and Spencer Tomlin on June 6, 2015.

Cory J. Jackson, B.S., 2012, and Jenna (Carrigan) Jackson, B.A., 2011, on June 20, 2015.

Natalie S. (Moore) Rudnik, B.S., 2012, and Peter J. Rudnik, B.S., 2013, announce son, William Sebastian, born February 20, 2015. The family resides in Spring Lake.

Ryan S. Abel, B.S., 2013, and Erin E. Lecker, B.A., 2013, on July 10, 2015.

Raymond A. Calcaterra, B.S., 2013, and Aimee M. Bottini, B.N., 2010, on June 19, 2015.

Brittany L. (Gorrell) Dominick B.S., 2013, and Lucas Dominick on May 30, 2015.

Chardonay B. (Jones) Henderson, B.S., 2013, and Kenneth K. Henderson, B.S., 2009, on July 28, 2012.

Chardonay B. (Jones) Henderson, B.S., 2013, and Kenneth K. Henderson, B.S., 2009, announce daughter Hanna Grace, born April 1, 2014. The family resides in Grand Rapids.

Darin E. Douglass, B.S., 2014, and Samantha A. Soule, B.A., 2015, on May 30, 2015.

Erin (Detgen) Gregones, B.S., 2014, and Eric Gregones on February 7, 2015.

Aaron Phillips, B.S., 2014, and Dara J. (DeVries) Phillips, B.B.A., 2011, on June 14, 2014.

In Memoriam

1960s

Martha J. Howland, B.A., 1969, of Howard City on May 24, 2015.

1970s

Ronald J. Skruch, B.S., 1979, of Grand Haven on June 11, 2015.

1980s

James R. Peterson, M.Ed., 1987, of Grand Haven on July 4, 2015.

2010s

Richard P. Wheeler, B.S., 2013, of South Haven on August 20, 2015.

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Please contact the Alumni Relations staff any time your family, career, education status, or address changes

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» Don and Nancy Lubbers with young Lubbers children on arrival at Grand Valley in 1969.

Yearlong celebration commemorates Haas' 10th year at Grand Valley

A lot can happen in 10 years — like a growing student population, an expanding campus and dozens of new academic programs. These milestones, and more, have occurred at Grand Valley under the leadership of President Thomas J. Haas.

A yearlong celebration, called The Power of 10, will recognize the 2015-2016 academic year as the start of Haas' 10th year at Grand Valley and his positive impact on the university. Appropriately named for his background in chemistry, The Power of 10 is a scientific concept that aids in the visualization of large numbers.

The celebration kicked off in Chicago in August, when Haas celebrated with alumni as part of his 10-city tour. Stops in the tour will include Seattle, Los Angeles, New York City, Houston, Atlanta, Washington, D.C., Denver, Phoenix and Detroit.

The celebration will also include on-campus activities and events throughout the year, and a new scholarship established in honor of President Haas and his wife, Marcia Haas.

Students, faculty and staff members, alumni and friends of Grand Valley are invited to submit a memory to an online memory book, <http://gvsu.edu/s/WC>; share on social media with the hashtag #10forTHaas.

Haas was named president in July 2006. Forty percent of Grand Valley's alumni have graduated during his leadership.



President Thomas J. Haas meets alumni in Chicago during a stop on The Power of 10 tour.