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The Innovation Issue

Drones in the classroom

ALSO INSIDE: battling the opioid epidemic / studying solar eclipses
teaching around the world / reducing cyberbullying



StudentSpotlight

BRANDON ROLLINS, '19, knows what it's like to have computer problems. Visually impaired due to a genetic retinal disease, he often encounters websites that aren't equipped with the necessary software that would enable him to extract the information he needs.

He's not alone. More than 20 million people in the United States are either blind or suffering from some type of visual impairment. In 2016, an amendment to the Americans with Disabilities Act mandated that websites be accessible to all. Formal regulations concerning the blind and visually impaired are expected next year, but for now, the Department of Justice recommends following what's known as the Web Content Accessibility Guidelines.

Brandon, 22, a junior social work major from North Attleboro, is doing his part to help BSU with a major initiative to expand web accessibility. As an intern with BSU's Web Development Office, he's checking the myriad pages associated with the university's website to make sure they are compliant with the guidelines. We recently asked him about his work.

Why is this internship such a good fit for you?

It's my life, it's the kind of stuff I deal with on a daily basis. It's not just a job for me. It's also important to me to know that there are other students going through the same situation. If I can take some time out of my life to make their lives a bit easier I'm glad to do it.

How does the adaptive technology work?

There are two different types: screen magnifiers and screen readers. The first is for people who have some remaining vision, while the screen reader is a completely non-visual way of navigating the web. That program basically reads everything on the screen, and there are a series of keyboard commands that allow you to navigate the site.

How's the work going so far?

The general info on the website is good. Some of the older pages need a bit of tuning up. I'm not an IT person; I've just been brought in as a user. I don't have to fix the pipes – I just have to point out the leaks. I don't like sitting behind a desk, but I do it because it's necessary. I'm a social work major. I prefer to work with people.

Why social work?

I feel called to it. Ideally, I'd like to get to the point where I can work in rehab counseling, working with people with disabilities. Again, if I can help someone get to a better place, that's what I care about.

Interview by John Winters, G'11



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Karen Callan, *editor*
Elizabeth Dubuque, G'11
Eva T. Gaffney, G'01
Michelle Hacunda, '12
Paul Jean, '83
Jaime Knight
Dr. Brenda Molife
Shana Murrell
Nicole Tranter, '11
John Winters, G'11

Photography

Kathy Brown
Karen Callan
Kindra Clineff
Ashley McCabe
Charlie Peters
Ezechiaste Pompilus, '19
George Rizer
John Winters, G'11

Design

Karen Callan

Bridgewater keeps alumni, faculty, students and their families, staff and friends of Bridgewater State University informed about the university community and its impact on the region.

This magazine is written, designed and edited by the Office of Creative Services and Publications with the needs of its varied audiences at heart and in mind.

To view past issues of *Bridgewater*, visit http://vc.bridgew.edu/br_mag/.

Correspondence

Address all mail to:

Bridgewater
Creative Services and Publications
Bridgewater State University
Boyden Hall, Room 208
Bridgewater, MA 02325

508.531.1335

Email class notes to: alumni@bridgew.edu

Keep up with BSU at www.bridgew.edu and on social media.

ON THE COVER: As part of its ongoing effort to prepare future teachers for a technologically advanced society, the College of Education and Allied Studies has acquired drones to be used in the classroom.
photo by Karen Callan



Dear Friends,

I'm always amazed at the creativity and ingenuity I witness daily around campus, whether it's the work of students and faculty in classrooms and labs, or administrators finding new ways to ensure that our students are successful. The fruits of these efforts can be found in the ever-growing number of BSU students applying for and being awarded prestigious fellowships, being accepted by the most competitive conferences, and being admitted to top-flight graduate and PhD programs.

Meanwhile, many of our alumni have carved out a spot on the leading edge of their fields. From the sciences, to the arts and business, trailblazing Bears are out in the world, shaping it and leading lives where pushing forward is as important as giving back.

That can certainly be said of Bruce R. Bartlett, '68, and Patricia A. (Quinn) Bartlett, '67, of Duxbury, who recently made an outright donation to the Bridgewater State University Foundation of 25 acres of land and buildings in Plymouth. Their generosity will allow generations of students to realize their dreams and perhaps even one day push the boundaries of their chosen fields.

Dreaming big and thinking in ways unbound by tradition or what is expected is key to BSU's enduring excellence. To enable this to continue, we've made innovation a watchword of the university's approach to nearly everything. Best practices are fine, but we must be sure to ask: What's lying around the corner that might lift us even higher, or allow us to dream even bigger?

With the start of this academic year, we introduced the Academic Innovation Initiative, which not only encourages original thinking and novel approaches, but also provides funding for faculty and administrators for the best and most promising proposals to carry out these objectives. Six projects have been selected to receive funding. Turn to page 14 to read about these ideas, and expect to hear more about them in the near future once they begin producing results, which I know they will.

This issue you hold in your hands celebrates the innovative, the bold and the new at Bridgewater State University. Whether it's forward-looking artwork that mixes the traditional with the digital, dogged researchers whose work helps define the outer limits of what we know about a given subject, or new approaches to teaching and learning, you'll find it in the pages that follow.

These innovations fall into three general categories:

- New methods of helping students overcome obstacles and succeed
- Equipment that allows students and faculty to take their research to greater heights
- First-in-the-nation practices that improve the lives and health of students, faculty and staff

No doubt we all feel sometimes that the world is moving too quickly. But keeping a step ahead is imperative as we endeavor to teach tomorrow's leaders. Upon its founding 178 years ago, Bridgewater Normal School established itself as a leader in educating men and women who in turn knew it was their job to inspire future generations to become the best they could be.

It's refreshing to know that the spirit and energy that allowed these pioneers to push further and aim higher still invigorates the campus today.

With warmest regards,



Frederick W. Clark Jr., Esq., '83
President



BSU receives largest donation in its history

An outright donation of 25 acres of land and buildings on Plymouth's Industrial Park Road – valued at \$8 million – has been made to the Bridgewater State University Foundation by the university's most benevolent alumni – Bruce R. Bartlett, '68, and Patricia A. (Quinn) Bartlett, '67, of Duxbury.

The gift is the largest donation ever given to Bridgewater State University and the largest outright donation to date received by any of the nine campuses in the Massachusetts state university system.

"The bottom line is simple," said the Bartletts in a joint statement. "Public education needs private philanthropy, and this is an important time for people to help in any way they can."

The couple, after whom the College of Science and Mathematics at BSU is named, has given in excess of \$13 million to their alma mater over the past decade. Hundreds of students have benefited and will continue to do so from the Bartletts' endowed scholarship funds, and "the latest gift will benefit Bridgewater State University for generations to come," said President Frederick Clark Jr.

"All of us here at BSU are truly fortunate that Bruce and Patricia Bartlett love and support their alma mater in such a meaningful, impactful and lasting way," President Clark said of the gift received by the university earlier this year.

Formerly the corporate headquarters of Bartlett Nuclear, the site at 54 and 60 Industrial Park Road contains two office buildings and a warehouse. Discussions are underway for future use and/or disposition of the property.

Bruce and Patricia Bartlett met and graduated from Bridgewater State with degrees in mathematics, and health and physical education, respectively. Bruce taught math for several years, worked as a certified public

accountant and, 11 years after graduation, founded Bartlett Nuclear, as well as companies in the manufacturing and construction fields.

Patricia taught physical education in Quincy and then went on to teach in Scituate for 10 years. She retired from teaching to support the rapid growth of the family's companies, for which she designed and built two Williamsburg-style brick buildings at their Plymouth headquarters. She was also responsible for construction of facilities at other sites owned by the family and played a key role at national conferences, which were crucial in bringing the companies to more than 40 states and several foreign countries.

In 2004, the couple launched the Bartlett Foundation, which has funded groundbreaking medical research at hospitals and universities across the country.

Meanwhile, Bridgewater State University has been the beneficiary of their generosity for many years, giving the university donations of \$2 million in 2011 and \$3 million in 2014.

"Public education is what made the United States great," the Bartletts said. "Higher education opens doors and provides opportunities, and we want those doors open at all times."

Through prior gifts from the Bartletts, each spring 30 students receive scholarships in the couple's names. The Patricia A. (Quinn) Bartlett, '67, Endowed Scholarship Fund benefits undergraduate students who have an outstanding record of academic



Bruce R. Bartlett, '68, and Patricia A. (Quinn) Bartlett, '67, from their Bridgewater State yearbooks

accomplishment, documented by a grade point average of 3.5 or higher.

The Bruce Bartlett, '68, Endowed Scholarship Fund benefits deserving undergraduate students who have demonstrated high financial need and an outstanding academic record documented by a grade point average of 3.0 or higher. Both funds also have provisions to provide scholarships to members of the philanthropic fraternity, Kappa Delta Phi. ■

BSU students named Fulbright semifinalists

Four BSU students have been selected as Fulbright fellowship semifinalists. Following the initial review by national screening committees, their applications have been sent to the Fulbright commissions in their host countries for the final selection.

More than 10,000 students apply for Fulbright fellowships, and fewer than a third become semifinalists.

"Realizing just how competitive the Fulbright process is in selecting semifinalists, our entire BSU community is rightfully proud of the accomplishments of these students in reaching this important stage," President Frederick Clark Jr. said. "As is the case with these four students, and with so many others over the years, BSU has some of the best students in the region and in the nation."

DANIELA BELICE, '18, a sociology and political science major, hopes to study at Canada's Ryerson University. Her topic is "Lack of Education or Lack of Opportunities? Investigating the Human Capital of Immigrants."

KERI BRYSON, '18, a chemistry major, hopes to continue her research at the University of Leeds in the United Kingdom. Her topic is "Disrupting Cancer: Developing Targeted Drug Therapies for Protein-Protein Interactions."

MIKAYLA COTE, '18, a biology major, hopes to continue her research at Cambodia's Pannāsāstra University. Her topic is "Construction and Assessment of a Wastewater Treatment Reactor in Phnom Penh, Cambodia."

DANIELLE LOPEZ, '17, a biology major, hopes to continue her research in Malaysia with an English teaching assistantship.

The Fulbright process at BSU brings together faculty and staff across campus who review application materials, write letters of recommendation, coordinate international affiliations, and serve on campus interviews. ■



President Frederick Clark Jr. is honored by Health Imperatives representatives (from left) Allie Altman and Julia E. Kehoe for his zero-tolerance stance on abuse and violence against any member of the BSU community. Health Imperatives is dedicated to improving the health and well-being of low-income or vulnerable families and individuals in Southeastern Massachusetts. The organization has partnered with BSU on several fronts, including offering counseling on campus, training staff and administrators on how to handle and prevent relational violence, and engaging BSU students as interns. ■

Game time

Dr. Polina Sabinin (right) has long been interested in the use of educational games as a tool to teach math. This fall, the BSU associate professor of mathematics was able to combine that interest with her fondness for the country of Georgia.

During a five-week trip last fall, Dr. Sabinin facilitated eight workshops for 440 public school teachers across Georgia on how to use games to instruct children in mathematics and spatial reasoning.

The trip continued a collaboration that Dr. Sabinin, who grew up in Russia, has been forging the last two years with Georgian educators. The effort was inspired by the four months her family spent each year in the former Soviet Republic during her childhood.

"They really gave me and my family the happiest times in my life," said Dr. Sabinin, who is currently on sabbatical, of the Georgian people. "When I grew up and entered the profession of education, I wanted to do everything I could to give back to the country and to Georgian children." ■



Cape Cod campus celebrates first graduate

BSU's Cape Cod campus celebrated its first graduate since opening three years ago, when Monique Robinson, '18, completed her bachelor's degree in strategic communications with a 4.0 grade point average. Ms. Robinson came to BSU with an associate degree, and then took her remaining classes at the Cape campus and online, except for a few electives from Cape Cod Community College.

Despite the challenges of a full-time job and struggles with dyslexia, Ms. Robinson not only completed her bachelor's degree, but also has her sights set on a master's degree program.

"When I found out BSU would be opening its Cape Cod campus, I immediately checked it out," said Ms. Robinson, who is glad she decided to enroll. "I absolutely loved the classes; they were very small and personal, and the professors were excellent," she said. Ms. Robinson's BSU experience also included study abroad trips to Italy and Nicaragua.■



Professor Amy Lovera of the Department of Art and Art History secures a bike in front of the Moakley Center to ride to the West Campus.

Cruising campus

BSU and Zagster Inc. began a bike-share program in August to provide a convenient, affordable and healthy way to get around campus.

Riders, who must be 18 or older, sign up for a membership, after which they can access the Zagster cruiser bikes at four stations across campus for on-demand, local trips. Each station is equipped with five bikes. At some point, a second phase will add two more docking stations, increasing the number of available bikes.

Bikes can be located via the free Zagster Mobile App – available for iPhone and Android – or online. Each bike has a unique number that riders enter into the app to obtain a single-use code to open the lockbox on the back of the bike. Riders can also obtain the codes via text message. A key, stored inside the lockbox, allows the bike to be locked and unlocked. After the rider returns the bike to a designated bike station, the rental ends and the bike is available for the next person to enjoy.

Each bike includes a spacious basket, and because rider safety is a priority, automatic lights, a bell and reflectors.

The initiative grew out of a student sustainability committee. "The members of the Student Government Association wanted to find a way for commuting students especially to get around campus" after they park, said Kaitlyn Dyleski, assistant director of operations in the Office of Student Involvement and Leadership.■



Harold Tavares, '05, G'07, (left) is presented with a diploma from the Crans Montana Homeland & Global Security Forum by Archbishop Vincenzo Paglia, president of the Pontifical Academy for Life.

'New Leader of Tomorrow'

Harold Tavares, '05, G'07, assistant director of international relations and special programs, was appointed a New Leader for Tomorrow by the Crans Montana Homeland & Global Security Forum.

The goal of the three-year appointment is to strengthen regional and international networks, and promote international dialogue.

"I am deeply honored to receive this award," said Mr. Tavares, who was presented it in Brussels in October. The Cape Verde native has been instrumental in bringing to fruition many of BSU's international programs, including hosting the Young African Leaders Initiative on campus over the past two summers.

Mr. Tavares and the other New Leaders, who hailed from around the world, received their diplomas from Archbishop Vincenzo Paglia, president of the Pontifical Academy for Life.

According to its website, the Crans Montana Forum is a Swiss non-governmental international organization, established in 1986, that works to build a more humane and impartial world. Its members also encourage international cooperation and overall growth, and promote best practices to ensure a permanent dialogue among those who handle high-level responsibilities.■

BridgewaterNews

Minnock Institute gets new address

In an October ceremony, the new location for the Dr. Edward W. Minnock Institute for Global Engagement was celebrated. The institute was relocated from Maxwell Library to the former Alumni House at 25 Park Terrace, which has been fully renovated for its new use as home to English Language Learning, International Student and Scholar Services, Global Studies and Study Abroad, as well as faculty involved in these programs.

It was also an occasion to celebrate the university's achievements in international education and outreach. President Frederick Clark Jr. said, "Today with this dedication, we are reaffirming the importance and the priority of global engagement here at BSU by bringing all of our international centers together, providing a focal point for the rich array of international research, scholarship, learning and cultural activities that our faculty are leading across this campus."

The late Dr. Edward Minnock, for whom the institute is named, was honored at the event. He died in 2011 when he was vice president for external affairs at BSU.

President Clark sent his thoughts out to Dr. Minnock's wife, Rose, who was unable to attend, and added his own sentiments: "We're standing on (Ed's) shoulders as we further our vision for global engagement."

A highlight of the program was remarks by two students. Minji Lee, '18, of Korea said her time at BSU has been "the best thing I ever did in my life." She has served as a tutor, student employee and orientation leader, and has conducted research for work she presented at a conference at Princeton University. Kasey Andrade, '18, spoke about the value of her study abroad tours in Sicily and Greece. This semester she is studying in England.

The ceremony concluded with a ribbon cutting and tours of the building.■



Minji Lee, '18, addresses the audience as Kasey Andrade, '18, looks on.

Marching forward

The number of veterans enrolled at BSU is up, and so are their grades.

According to the Veterans Center, between fall 2016 and fall 2017, the total number of student-veterans (undergraduate and graduate) rose to 301 from 248. Their average cumulative GPA increased to 3.03 from 2.92 during the same period.

"Definitely, consolidating resources, really getting the Veterans Center up and running, and providing a central point of contact helped," said Michael Siegel, '98, director of military and veteran student services.

The positive results, calculated in conjunction with BSU's Office of Institutional Research, demonstrate the wisdom of not only having a dedicated Veterans Center, but also equipping it with a robust staff, and having a greater presence at events such as orientation. These efforts demonstrate to student-veterans that BSU is a welcoming place intent on helping them succeed, Mr. Siegel added.

The Veterans Center opened more than two years ago, but even before that, Mr. Siegel and his staff were hard at work. Their efforts paid off almost immediately: Forty-five veterans were admitted for the spring 2016 semester.■

A good get-away

Two dozen BSU students spent winter break lending a helping hand in Washington, D.C., and two locations in Florida.

The volunteers took part in the alternative break trip, a longstanding program at the university that offers students the chance to engage in meaningful, direct service through a weeklong immersion experience. Each of the three groups was accompanied by two faculty or staff members.

Pictured (from left) are student volunteers at Youth Services Opportunities Project in Washington and Habitat for Humanity in Vero Beach, Florida.■



Making the grade

BSU was named one of the 50 Best Colleges for LGBTQ Students by College Choice, the leading authority on college rankings and resources.

BSU ranked 36th, besting the University of Massachusetts Amherst, Oberlin College and many other large state universities from across the country. Topping the list were Princeton University, Massachusetts Institute of Technology and the University of Wisconsin-Eau Claire.

Lee Forest, director of BSU's GLBTA Pride Center, said the recognition belongs to the entire campus community: "I'm very proud that BSU made this list. LGBTQ equity and inclusion are clear priorities of President Clark and his administration, and we've achieved all we have because so many people here are dedicated to LGBTQ student success. This recognition belongs to all of us at BSU."

Among College Choice's criteria was whether an institution's non-discrimination policy includes gender expression and sexual orientation. "If they don't explicitly promise to protect you, move on," the editors wrote.

More specifically, College Choice gave BSU a high ranking because: "Foremost, its strengths lay in structural, institutional commitments to nondiscrimination and the promotion of visibility. This is seen in Bridgewater's policy statement as well as in their housing provisions, exhaustive counseling and health plans, and their high retention rates. Bridgewater's GLBTA Pride Center works closely with administration to monitor, evaluate, and implement these policies and programs.

"Additionally, as a Bridgewater LGBTQ student you will have access to scholarships, study abroad opportunities, queer graduations, LGBTQ specific admissions fairs, and a university-wide curriculum that includes queer and trans voices." ■



Dr. Mark Brenner (back row, right) joins fellow volunteers helping victims of Hurricane Harvey in Texas.



One of Dr. Brenner's photos provides a glimpse of the hurricane's devastation.

Lending a hand to Texas hurricane victims

Thinking back on what he'd experienced last fall, Dr. Mark Brenner shook his head and said, "They don't call it a 'disaster' for nothing."

The professor of social work traveled to Texas with the American Red Cross as part of its disaster mental health team to help victims of Hurricane Harvey. He arrived in Dallas on September 7, was shifted to Beaumont and returned home on the 19th.

Dr. Brenner saw neighborhood after neighborhood destroyed, streets lined with gutted homes. He met a man whose two sons had been electrocuted to death in the floodwaters, worked with victims in an underground shelter (a converted parking garage) crammed with 2,500 beds, delivered cleaning supplies and more from a van, and lived in a shelter himself, surviving on snacks and sleeping on an army cot "surrounded by 200 of my new best friends (fellow Red Cross volunteers)."

Along with providing traditional social work services and handing out supplies, Dr. Brenner was part of a "hotshot team," which involved going into communities and meeting people to find out where the most need existed.

He sometimes encountered what's known as "the Katrina stare," which he described as "a vacant look, where it's similar to a profound-grief reaction, as when someone loses a loved one." He also met people who'd now been through three hurricanes and the resulting floods, yet their attitude was "We'll make a go of it."

Dr. Brenner said he was glad he was able to help people in such a dire situation. He said, "I learned a lot... And I have a lot to bring back to my students." ■

New faces on campus

DR. LISA KRISOFF BOEHM, dean of the College of Graduate Studies

As Dr. Lisa Krissoff Boehm was building her career as an academic, she kept an eye on what was going on at Bridgewater State University. The Michigan native and Grafton resident has long thought that BSU's combination of small class sizes and close faculty-student interaction – delivered for the cost of a state university education – was close to ideal.

"I really believe in this model," Dr. Boehm said. "I thought it would be great to serve in an institution like that, especially the flagship of the state university system."

This summer she realized her goal when she was named dean of the College of Graduate Studies.

Dr. Boehm comes to BSU from Manhattanville College in Purchase, New York, where she'd served since 2015 as founding dean of the School of Arts and Sciences and professor of history. She was formerly interim dean of the School of Humanities and Social Sciences and professor of urban studies at Worcester State University, and senior associate dean of academic affairs and professor of history at Emmanuel College.

She holds a BA in history and English from Northwestern University, an MA in social science from the University of Chicago and a PhD in history from Indiana University.

Dr. Boehm points to the years working on her master's degree as key to her professional life. While she continued on to a PhD program, it was during the first year of her graduate studies she made the largest strides.

"I really loved my own graduate experience. It was transformative for me," she said. "I went from being interested in history to actually being



a historian. My writing and critical thinking advanced so much. And to help students with that process at BSU really appeals to me."

Her years in Chicago also impacted her as a scholar, pointing much of her research in the direction of urban history and culture. Along with publishing a number of book chapters, articles and reviews, Dr. Boehm is the author of *Popular Culture and the Enduring Myth of Chicago, 1871-1968* (Routledge Press, 2004); *Making a Way Out of No Way: African American Women and the Second Great Migration* (University Press of Mississippi, 2009); and co-author of *America's Urban History* (Routledge, 2015). She is co-editor of the volume *The American Urban Reader: History and Theory* (Routledge, 2010).

Dr. Boehm is also a visiting scholar with Brandeis University's Women Studies Research Center and is working on a piece of historical fiction about immigrants who worked in

Broadway theater in the 1930s. In November, she gave a talk at Brandeis about her research.

At BSU, Dr. Boehm says she will focus on graduate student success, programmatic innovation, enrollment growth, and the further enhancement of internal and external relationships that strengthen the graduate experience for both students and faculty.

Introducing her to the campus, Dr. Karim Ismaili, provost and vice president for academic affairs, said, "I am confident her collaborative leadership style and commitment to excellence will serve the college extremely well."

Dr. Boehm is enthusiastic about her new job. "I think our faculty are superb, and the opportunity for students to work with them is tremendous." She also gave kudos to the staff of the College of Graduate Studies. "I have a huge smile on my face all day working with this particular team," she said. ■

DR. KELLY BROTZMAN, executive director of the Martin Richard Institute for Social Justice

Being raised with a deep sense of responsibility for the welfare of others led Dr. Kelly Brotzman to earn a PhD in ethics and, ultimately, into the classroom. While she enjoyed teaching, she'd always hoped the reach of her work would extend further.

"I was headed toward a career in which I would have a big impact on students, but not a big impact on the real world and the real things out there that happen and that are deeply unjust," she said.

Over the years, Dr. Brotzman has sought to merge her scholarly self with her activist self.

As the founding executive director of the Martin Richard Institute for Social Justice, she'll have ample opportunity to do just this.

Dr. Brotzman was born in the Philippines. A proudly self-proclaimed "Air Force brat," she moved frequently as a child. "I lived in about 10 different homes before I left for college," she said. These peripatetic years gave her a wider perspective on the world, and helped her adapt to new situations. It also taught this self-confessed introvert how to speak her mind and work with a diverse range of people.

President Frederick Clark Jr., in announcing Dr. Brotzman's selection, said, "Throughout our storied history, our community of educators and administrators have strived to ensure that all students have an opportunity to receive an outstanding college education and fulfill their highest potential. In bearing the name of Martin Richard, the Institute for Social Justice has a special responsibility to Martin, his family and to the larger community. Kelly Brotzman is the ideal leader to forge that responsibility into meaningful action toward the advancement of social justice."



Dr. Brotzman previously served on the faculty of the Shepherd Program for the Interdisciplinary Study of Poverty and Human Capability at Washington and Lee University. There she taught several courses on domestic and global poverty, and also supported and advised students engaged in different kinds of anti-poverty work.

Prior to that, she'd served as director of the Office of Community Engaged Learning, Teaching and Scholarship at Loyola University in New Orleans. In that role, she started and directed a nationally recognized community engagement office; worked with faculty from nearly every department in incorporating community-based learning into their courses and the curriculum; cultivated and managed scores of partnerships with community-based organizations at the local, national and international levels; secured substantial grants; and led a rigorous process in obtaining Carnegie Community Engagement Classification for Loyola.

Dr. Brotzman received her BA in English literature and religion at

Washington and Lee University, and earned an MA in religious studies and a PhD in ethics from the University of Chicago.

She believes that, career-wise, she's had the best of both worlds. "I've found a way to keep one foot planted in the real world, with the other in the university environment," she said.

BSU's commitment to social justice and its bold use of that term in naming the institute attracted Dr. Brotzman to the position.

"I thought how refreshing it was to see a public institution asserting the importance of social justice," she said. "If I was to summarize what gets me up in the morning, it's social justice."

The other attraction was being the founding head of the institute. "I like starting things," she said. "I like the creativity that I can tap into and working with the campus community."

"We have a huge opportunity to do amazing things and begin to discern the shape of what direction we should take the institute in," Dr. Brotzman said. "And that's really exciting." ■



As the landscape of higher education continues to change, with myriad challenges arising from demographic shifts, economic developments and the emergence of new technologies, the need to innovate becomes ever more important. With this in mind, colleges large and small are looking for creative ways to attract students and prepare them to face today's challenges and those likely to shape the future.

Program seeks to fund new initiatives and enhance institutional culture

BY JOHN WINTERS, G'11

Evolving the academic experience is what is chiefly meant by the term "innovation" when it's spoken of these days in the hallways, conference rooms and classrooms of Bridgewater State University.

"It is doing everything in our power to help every student succeed and walk across that stage in May," is how President Frederick Clark Jr. put it.

Being innovative, however, means more than just implementing cutting-edge programming and investing in the latest technology. As famed management consultant Peter Drucker once put it, "What innovation requires is hard, focused, purposeful work." In short, it necessitates a top-to-bottom cultural change, and a pervasive way of thinking, more so than just planning.

To accomplish this at BSU, Dr. Karim Ismaili, provost and vice president for academic affairs, introduced at the start of the current academic year the Academic Innovation Initiative. The multidimensional program is meant to "kick start innovation across campus," he said.

Part of the initiative includes academic innovation grants that faculty and project teams can apply for to support cutting-edge ideas, projects and new programs. Thirty-three faculty members and administrators submitted letters of intent hoping to obtain funding.

The Academic Innovation Initiative will also mark a "redoubling of our efforts and enhancing our work on high-impact practices that have been demonstrated to improve student retention and progression to graduation," Dr. Ismaili said. These include successful programs like undergraduate research, paid internships,

Innovation at Bridgewater State University

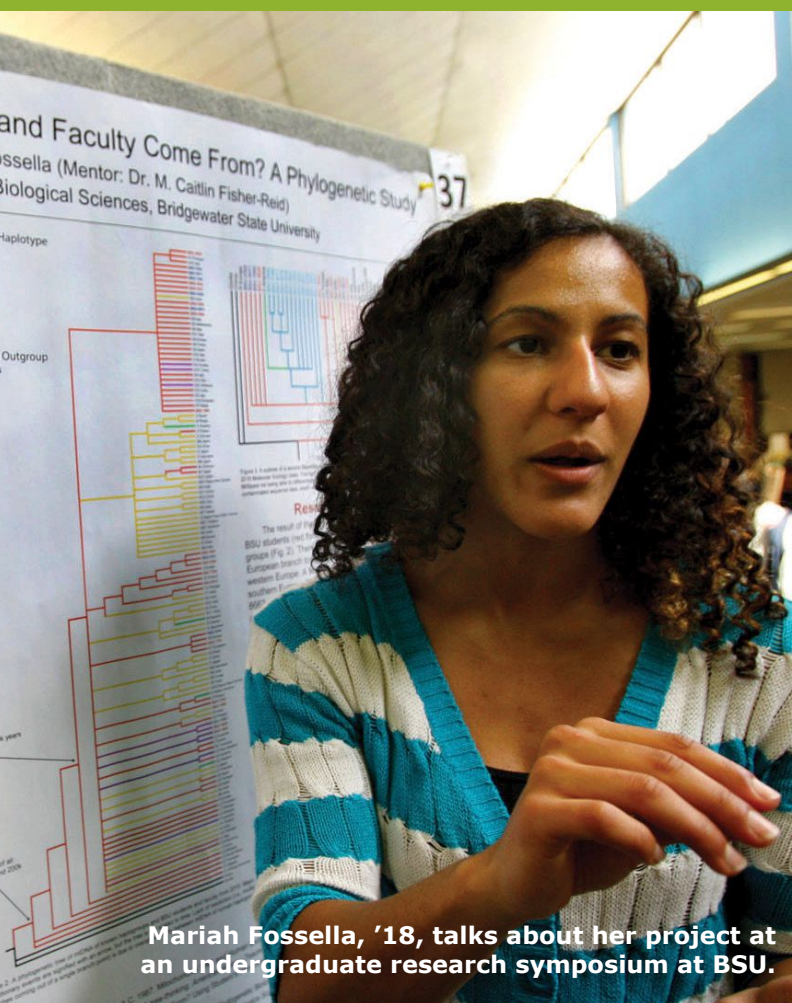
iGlobe

Forget those old plastic globes you probably remember from grade school. The lobby of the Dana Mohler-Faria Science and Mathematics Center is now home to an iGlobe. More a spherical computer than just another static round map from yesteryear, with a diameter of four feet, the iGlobe is a large, interactive tool that students and faculty can use to research such things as weather fronts, migration trends, crop growth, disaster management, past epidemics, and changes associated with climate change. The iGlobe also helps students enhance their environmental literacy and geographic awareness. It comes with an Apple iPad to control all interface functions seamlessly and wirelessly.

"It will be used to further our mission to educate the BSU and local communities in science, technology, engineering and math," said Dr. Jennie Aizenman, director of BSU's Center for the Advancement of STEM Education.



A BSU student operates the iGlobe in the Dana Mohler-Faria Science and Mathematics Center.



Mariah Fossella, '18, talks about her project at an undergraduate research symposium at BSU.

Undergraduate research inclusivity

For too long, opportunities in undergraduate research tended to go to students with a legacy of higher education, because they're being coached to seek out such opportunities as a pathway to graduate school. This leaves out too many students of color, as well as first-generation and working-class students. That's not the case at BSU, where the Undergraduate Research Program was designed to be inclusive, focusing on recruiting students who may never have imagined themselves conducting research or presenting their findings at symposia and conferences. "What we've been doing since the beginning is ensuring that all of our students have access to this high-impact practice," said Dr. Jenny Shanahan, assistant provost for high-impact educational practices, which includes the Adrian Tinsley Program for Undergraduate Research. "We have been thinking intentionally about our recruiting efforts for these opportunities, and making sure we have in place the support to enable a diversity of students to participate in the program."

Over the past dozen years, the university's Undergraduate Research Program has grown exponentially, and the Council on Undergraduate Research cited BSU as ranking in the top six percent in the nation among more than 900 institutions offering undergraduate research.



Dr. Cindy Kane, special assistant to the provost for academic innovation and director of the Office of Student Involvement and Leadership, and Dr. Karim Ismaili, provost and vice president of academic affairs, meet regularly to develop the Academic Innovation Initiative.

residential learning communities and the Honors Program. “We want to really ensure that students have full access to these programs and that we will be able to support them,” he said.

Other areas of focus include student advising, global engagement and a reimagining of BSU’s health sciences offerings.

One of the first steps taken to bring the innovation initiative to fruition was naming Dr. Cindy Kane, who heads the Office of Student Involvement and Leadership, also as special assistant to the provost for academic innovation. Her mission is to help change BSU’s culture to one that more readily seeks to be innovative and to make sure anything put in place is sustainable.

To accomplish this, the Academic Innovation Initiative provides for a three-tiered approach.

Catalyzing Innovation: This includes creating an environment where innovative ideas can be discovered. There will be time set aside to discuss best practices, a Twitter feed (@InnovateBSU), peer leadership opportunities,

the enhancement of “internal consultancy” focused on topics such as design thinking and problem solving, and the discussion of how specialized innovation spaces can be fostered.

Enabling Innovation: This includes the grant funding of specific ideas, help searching for external funding for appropriate projects and finding ways to empower students to give input to support the development of the academic experience.

Sustaining Innovation: This includes analyzing the campus culture as it pertains to innovation, encouraging faculty to come forward with new ideas, and examining ways for the university to promote rather than inhibit innovative approaches and practices.

Drs. Ismaili and Kane agree that BSU is already home to many innovative people, programs and initiatives. The Academic Innovation Initiative will support new ways of doing things and put the focus on finding creative approaches to dealing with the many challenges facing the university. ■

Innovation at Bridgewater State University



Holding drones they use in classrooms are (from left) Dr. Heather Pacheco-Guffrey; Dr. Christy Lyons Graham; Dean Lisa Battaglini, '79; and Dr. Stephen Krajewski.

Drones in the classroom

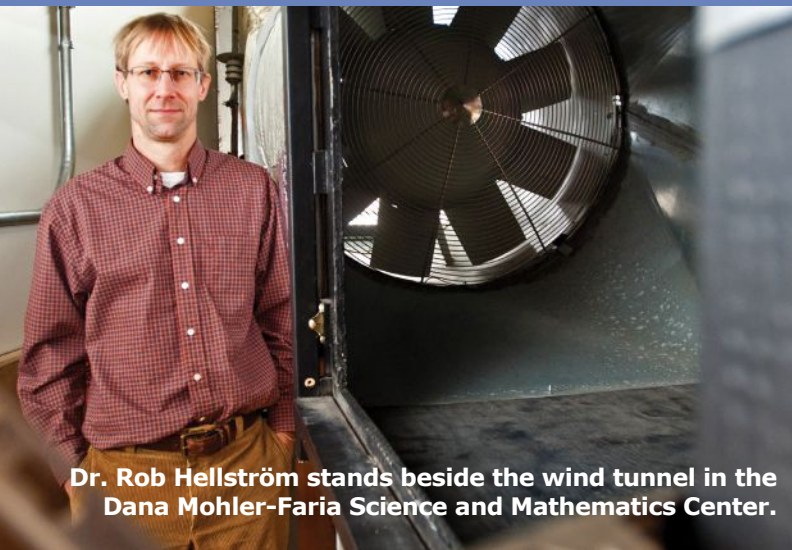
Unmanned aerial vehicles (UAVs) can be found on campuses nationwide. However, in education classes they are a rarity. Not at BSU, where the College of Education and Allied Studies has acquired eight small UAVs for classroom use. Dean Lisa Battaglini said the acquisition of the drones continues BSU's tradition of being on the leading edge of technology. "There is virtually no area of instruction or clinical intervention in the College of Education and Allied Studies that is not impacted by this innovative technology," she said. Education majors will be taught how to use the drones to investigate standards-based inquiry science questions such as what kinds of wetlands can be found on campus and what impact pollutants might have on them. Also, engineering-design solutions for challenges such as traffic-related issues could be explored. Other uses include helping students learn how to teach ways of improving the decision-making process via complex games, and using the drones to teach tomorrow's school counselors how to explore, create and implement creative interventions.

Targeted group mentoring

Each month a series of meetings are held on campus in the name of promoting student success. These are not the kinds of meetings one finds on other campuses – these are organized through the Division of Student Success and Diversity and targeted to different groups. There is a group for LGBTQ students, one for women, and another for men. The program pairs mentors and mentees, who meet as a group each month for a complimentary dinner where they share their stories, offer encouragement and provide advice and insight on issues from study habits and time management to career planning and networking. The program is coordinated by Lee Forest, director of the Pride Center, Sydné Marrow, director of the Center for Multicultural Affairs, and Michael Walsh, assistant director of Male Student Success.



Anthony Ervin of the Center for Multicultural Affairs leads a mentoring group for men.



Dr. Rob Hellström stands beside the wind tunnel in the Dana Mohler-Faria Science and Mathematics Center.

Wind tunnel

For years, BSU has had its own wind tunnel lab, allowing students to conduct experiments in meteorology, aviation, physics and engineering. Housed in the Dana Mohler-Faria Science and Mathematics Center and overseen by Dr. Rob Hellström, professor of geography, the wind tunnel fills nearly an entire room, but leaves space for students to conduct their research or observe each other's experiments. "I would say this is very rare," Dr. Hellström said, adding that the Massachusetts Institute of Technology has a wind tunnel, as do some top research universities. Regional state institutions like BSU usually aren't fortunate enough to have a wind tunnel on campus.



Academic Innovation Initiative funds six faculty and administrator grants

As part of the university's ongoing pursuit of innovative programs and practices, six projects have been awarded funding through the new Academic Innovation Initiative.

Dr. Karim Ismaili and Dr. Cindy Kane announced the projects (listed to the right) that were awarded grants.

"The funded projects exhibit energy and promising ideas designed to innovate the academic experience at Bridgewater State University," Dr. Ismaili said.

Fabricating an Interdisciplinary Bridgewater Makerspace:

Bridgewater State University will invest in the development of a "makerspace," an innovative, interdisciplinary, collaborative space for hands-on experimentation and learning.

Principal: Michael Black, computer science; Project team: Martin Grossman, Madhu Rao, Rob Lorensen, Nicole Glen, Robert Hellström, Robert Wilson, Jennie Aizenman, Susan Savill, Christopher Van, Kelsey Keefe and Robert Monteith

Bachelor of Arts in Digital Music Production:

The Department of Music will begin the study process to consider the creation of a new Bachelor of Arts degree in digital music production.

Principals: Donald Running, music, and John Krivit

Undergraduate Certificate Program in Teaching English as a Second/Foreign Language:

Launched in collaboration with the College of Continuing Studies, this initiative focuses on developing an undergraduate certificate program in Teaching English as a Second/Foreign Language (TESL/TEFL) and expanding educational opportunities for new domestic and international students at BSU.

Principal: Alexandra Dema, special education

Aircraft Dispatcher's License:

The focus of this initiative is to support study and planning that will lead to the creation of a new Aircraft Dispatcher's Program.

Principals: Michael Farley, aviation science, and Michael Welch, aviation science

Transforming the PreK-12 Classroom through Online Instruction Certificate Program:

Established in conjunction with the College of Continuing Studies, this project will train teachers to teach in a wholly virtual classroom, in a hybrid classroom, or traditional environment with an extensive technological skill set.

Principal: Mary Connor, special education; Project team: Tracy Charbonnier, '03, G'17, and Patrick Latuca

Math Readiness Boot Camp:

The project seeks to promote the success of students placed into noncredited math readiness courses through increased academic support resources, along with intensive math skills building, embedded tutoring, and academic coaching.

Principal: Matt Salomone, mathematics; Project team: Alicia D'Oyley, Donna Russo, Kathryn Crisostomo and Renee Bernier

Innovation at Bridgewater State University



Mary Reedy, '18, serves as a student teacher at Leighton Academy in Crewe, England.

International Student Teaching Program

Student teaching has long been a cornerstone of training tomorrow's educators. However, few colleges and universities offer students a chance to work in classrooms around the world. At BSU, more than 10 percent of education majors take advantage of this opportunity, and that number is growing fast. This semester, 26 students are spending eight weeks teaching in international locations, including Shanghai and Hong Kong, China, Belize, Ecuador and in seven countries across Europe, including Ireland and England. Through the program jointly run by the College of Education and Allied Studies (CEAS) and the Dr. Edward W. Minnock Institute for Global Engagement, BSU partners with schools and universities in foreign nations to provide its students with teaching opportunities. The International Student Teaching Program "has really taken off in the last 10 years," during which 210 students have participated, said Dr. Robert MacMillan, professor of special education and faculty fellow for CEAS International Initiatives. "I tell students that, given this experience abroad, their job applications will go on the top of the pile," Dr. MacMillan said, adding that teaching and living in a foreign country is "life changing" for the students, exposing them to different cultures and new educational methods. Dr. MacMillan coordinates the program, working closely with colleague Dr. John Marvelle and Mike Sandy, director for study abroad at the Minnock Institute.

Proactive approaches to gaining student fellowships and more

A few years ago, as an outgrowth of outstanding undergraduate research projects, BSU faculty and administrators began actively encouraging students to apply for highly competitive national fellowships such as Fulbright. Now, BSU has a student scholars coordinator, in the person of Amy Couto, who codifies this practice. Many Ivy League and top research schools around the country systematically encourage students to apply for these choice honors, but it's rare that a regional state university does. In fact, across the Massachusetts state university system, BSU is the only one to have a dedicated position for national fellowships. The university even has what it calls a Fulbright Boot Camp, a weeklong intensive program that prepares students to apply for the Fulbright and incorporates an innovative cohort model of fellowship advising. The student scholars coordinator focuses on expanding access to highly selective opportunities and developing students into self-confident scholars. "By educating students about these opportunities early, I can encourage them to participate in valuable high-impact practices that will not only benefit them tremendously, but also ensure that they are competitive for national fellowships," Ms. Couto said. "This work is a natural outgrowth of BSU's investment in Undergraduate Research and the Honors Program. Because of those strong programs, our students can compete with those from elite private schools." The initiative has paid off: The number of students applying to and receiving Fulbright and other competitive awards has increased substantially. This semester, BSU has four Fulbright semi-finalists, four candidates for the Goldwater Scholarship for science and math majors – for the first time in BSU history, and a semi-finalist for the Department of Defense's SMART (Science, Mathematics and Research for Transformation) Fellowship – also a BSU first.



Student Scholars Coordinator Amy Couto works with Christian Santos, '20.



In totality

Dr. Martina Arndt has long been on the cutting edge of solar research

BY JOHN WINTERS, G'11

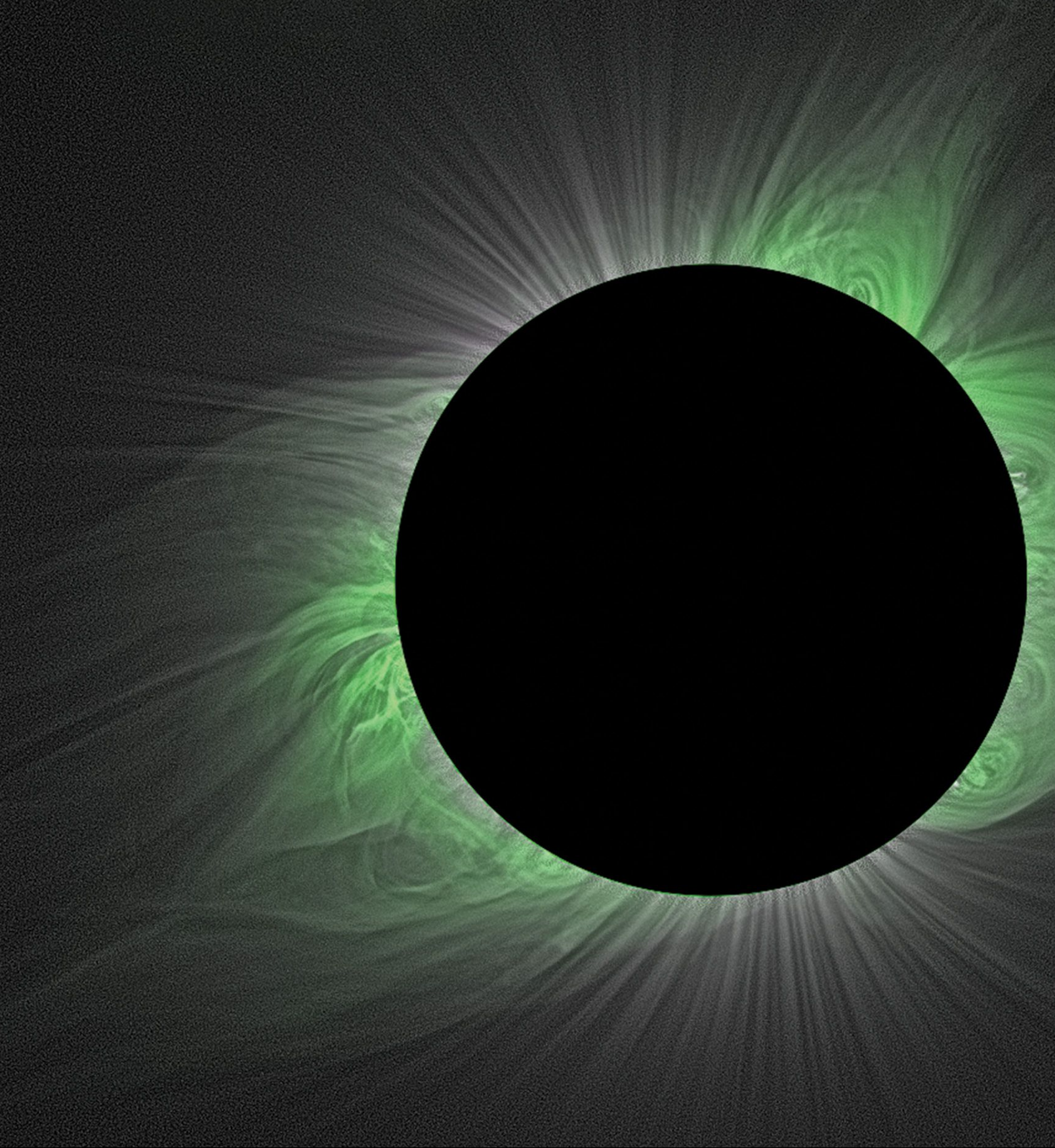
Talking with physics Professor Martina Arndt after the Great American Eclipse of 2017 wowed people from Oregon to South Carolina and places in between, it was clear she was already planning ahead. "The next one visible in the United States happens on April 8, 2024, so book your hotel now," she said.

Knowing such things comes with the territory for Dr. Arndt. She's been on the forefront of studying solar eclipses since she arrived at Bridgewater State in 2000. As part of a team of fellow researchers (dubbed the Solar Wind Sherpas, because of what they study and the fact that they carry their own equipment), she has traveled to several locations around the world – including Mongolia; Zambia; the atoll of Tatakoto; Australia; Svalbard, Norway; China; South Africa; Antigua; Libya and the Marshall Islands – trying to uncover some of the remaining mysteries about the star at the center of our solar system.

"The thing that attracted me to the sun in the first place was how beautiful it was," Dr. Arndt said. "Imagine, we have a star outside our window each day. It's a huge plasma lab right there, and there's still so much we can learn about it."

Initially, Dr. Arndt was planning to study math and German at Wellesley College. Those plans were usurped by economics and sociology (and a few other majors she admits to forgetting). Stumbling into her true calling came about when she tried to avoid taking biology or physics, and signed up for an "easy" course: astronomy. It turned out to be not all that easy, but she was hooked. She earned her undergraduate degree in the subject, and for her PhD, spent seven years at the University of New Hampshire studying a particular solar flare that erupted on November 15, 1991. Since then, she's been working to unlock the mysteries of the sun.

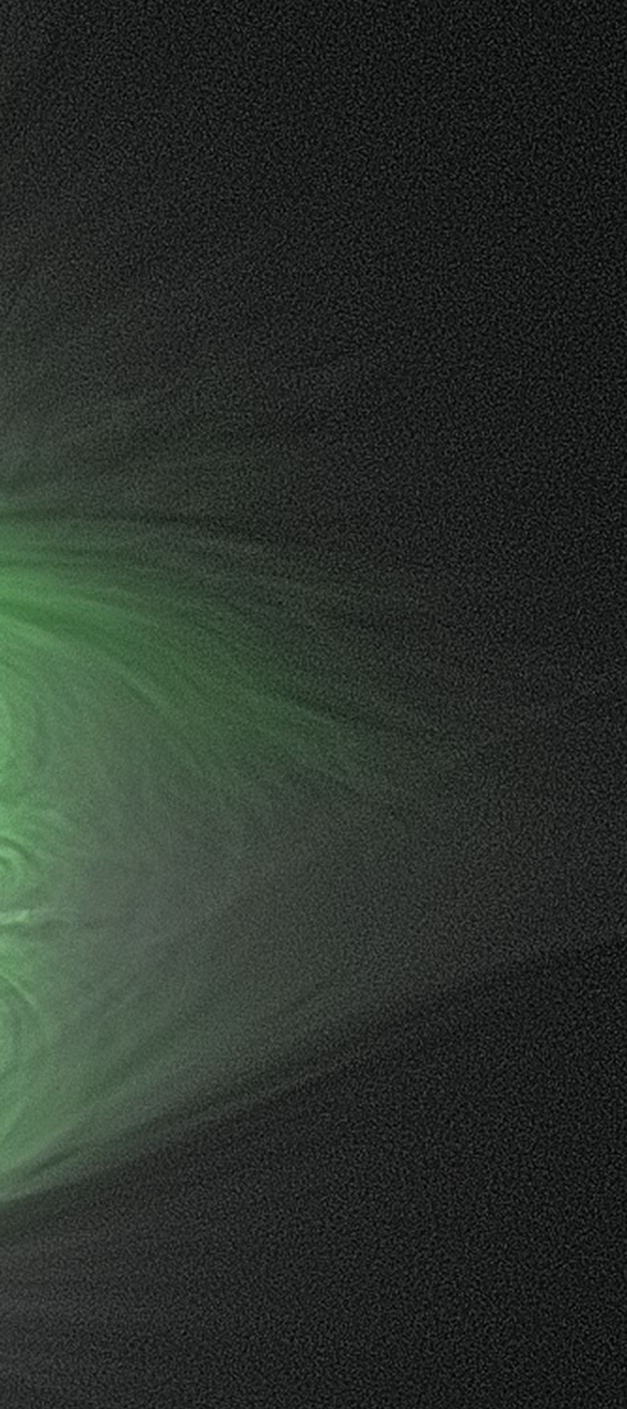




TSE 2017 / Fe XIV © Miloslav Druckmüller, Shadia Habbal, Judd Johnson, Pavel Štarha, Garry Nitta, Martina Arndt, Robert Havasy, Jana Hoderová

In the eclipse image above, the white corresponds to white light and the green corresponds to light from Fe XIV (iron that has had 13 electrons stripped away).

Support for the 2017 eclipse expeditions of the Solar Wind Sherpas was made possible by grants from NASA, NSF, the American Astronomical Society to the PI, Shadia R. Habbal of the Institute for Astronomy at the University of Hawaii, and from ASTELCO.



For the 2017 eclipse, the 11th that Dr. Arndt would travel to view, she and her research team went to Alliance, Nebraska, located dead center in the path of totality – the relatively narrow track on the earth’s surface that is cast in total darkness by the shadow of the moon. Key members of her team included Tülin Bedel, a technician from the German-based ASTELCO Systems, which produces telescopes; Ben Boe, a solar physics graduate student at the University of Hawaii; Garry Nitta, a technician and chief observer of Mees Solar Observatory at the University of Hawaii; Dick Kiefer, an electrical engineer; as well as Dr. Arndt’s husband, Robert Havasy, who served as a technician, and their 12-year-old daughter, Hayley, who was particularly helpful in multiple public outreach activities surrounding the 2017 eclipse.

The lead researcher – and lead scientist for the Solar Wind Sherpas – is Dr. Shadia Habbal from the Institute for Astronomy at the University of Hawaii. Dr. Habbal’s primary areas of eclipse research include investigating coronal magnetic fields and the origin and evolution of solar winds. To do this, she needs observations in specific wavelengths of light – some in visible light, some in infrared. For the eclipse of 2017, to take maximum advantage of the long path of totality across the country, Dr. Habbal dispatched five observing teams – all led by women – to five different locations along the path. Dr. Arndt was the lead researcher for the Alliance, Nebraska, team.

She and her team members arrived in Nebraska a few days before the eclipse and set up their tents and research equipment, which included computers, telescopes and cameras with high-powered lenses. Then they waited for the big event.

The sun may be 4.5 billion years old, but there’s still much that scientists don’t know about it. A solar eclipse allows researchers like Dr. Arndt a rare opportunity. “This is the reason eclipses are so important,” she said. “It’s the only time we can see the atmosphere (or the corona) above the solar surface. That’s an important region where interesting things happen.”

The data collected by the five teams can either drive new theories or prove existing ones. For her part, Dr. Arndt operated specialized



Dr. Martina Arndt (fourth from right) and her research team prepare to view the eclipse in Alliance, Nebraska.



Dr. Martina Arndt has traveled around the world to view eclipses with fellow members of the Solar Wind Sherpas. Above, the group is in China and, below, in Svalbard, Norway.

cameras equipped with lenses and filters to capture emissions from the corona to help determine where certain ions were present and in what density. These data will be examined later through the use of a computer.

Larger questions in solar physics include: Why is the corona so hot (on the order of a million degrees) in relation to the surface of the sun (a few thousand degrees)? Why are there such vast differences in the speed of the solar winds leaving the sun (from a “slow” wind of 900,000 miles per hour, to fast ones of 1.5 million miles per hour)?

“The sun is constantly changing,” Dr. Arndt said. “It’s incredibly dynamic and incredibly powerful. There are so many moving parts – that’s why everyone tackles a small piece and tries to do their part to understand this star.”

There are many research teams like Dr. Habbal’s around the world that are seeking to unravel the remaining mysteries of the sun. The personnel of the Solar Wind Sherpas may change for every expedition, but the camaraderie and dedication to obtaining critical data don’t vary.

“Every time, the team is different,” Professor Arndt said. “But always, everyone is welcome, everyone contributes, and we have one common goal of getting the best data possible. That’s the strength of this group, and I think that this model could be applied to trying to solve other big questions.”

There are less scientific reasons for observing solar eclipses, and that has to do with the transcendent beauty of seeing one. Some people get emotional; some cry. Others are struck by the enormity of it, and the feeling of being at one with the world and nature.

It’s the kind of rush Dr. Arndt suggests everyone should experience at some point. “Really, people should put it on their bucket list and try to see one,” she said. ■

Looking up

BSU community members travel the country to view eclipse

IN ADDITION TO DR. MARTINA ARNDT, a handful of members of the Bridgewater State University community traveled to destinations across the United States to experience totality. Dr. Nicole Glen of the Department of Elementary and Early Childhood Education was one of them. She shared her reflections of the event.

“I was in Hopkinsville, Kentucky, with my family, which included my husband, who is an earth science teacher, and kids ages 8, 5, and 2 ½. We chose Hopkinsville because it was one of the sites that had the longest total eclipse time at 2:40 minutes. I think what I loved most about the actual eclipse was the obvious excitement of everyone there. When the sky

went dark, everyone was cheering. There were fireworks going off throughout town. My kids loved that they could see the moon so clearly and the ring of the sun around it during totality. Even my 2-year-old was saying ‘moon’ and ‘sun,’ and pointing it out. We could see a few planets in the sky. Crickets were chirping like it was dusk. As the moon moved away from the sun and totality was ending, everyone broke out in cheers again. Overall, it was a great feeling to have so many people together for a common and joyous event.”

Others from BSU who traveled to view the eclipse in totality were Professors Maria Hegbloom and Veronica Cote, emerita professor Mercedes Nuñez, and student Maria Patrone, ‘18. ■

AS THE PEAK OF THE GREAT AMERICAN ECLIPSE OF 2017 NEARED, Mike McCarthy had one of the best views around – through one of BSU’s high-powered telescopes. “It’s pretty cool,” he said.

The Bridgewater resident was one of more than 1,600 people who descended on the Dana Mohler-Faria Science and Mathematics Center for the special solar event, sponsored by the observatory and BSU’s Center for the Advancement of STEM Education. The observatory was open to the public, and a lecture about the eclipse by Professor Joseph Doyle, adjunct faculty member in the Department of Physics, was held. Meanwhile, in the auditorium, a live stream of the entire path of totality was projected on a large screen.

Sun spotting

BSU observatory hosts ‘solar party’

Mr. McCarthy brought his mother and daughter to the event. Like many around the globe, mom found a deeper meaning in the eclipse, saying it reminded her of creation itself. Meredith McCarthy, 15, at first wasn’t sure she wanted in on this family outing, but a look through the telescope convinced her she’d made the right decision in coming along. “I didn’t think it was going to be fun,” she said. “But it was good to see it.”

By 2 PM, a long line of eclipse enthusiasts had formed outside the observatory where three telescopes were in use. Outside, dozens more congregated with their special eclipse-viewing glasses. Among them were Stephanie and John Sullivan of Maryland, who were vacationing nearby. The couple came prepared with special glasses, a homemade pinhole box viewer and a colander, which seemed to

please Ms. Sullivan the most. “You can see it pretty clearly,” she said, as she used the colander to cast a shadow on the ground, each of its holes reflecting the current shape of the sun during the eclipse.

Many of those present said they hoped to be around for the next eclipse visible in the United States. That event, during which parts of Maine, Vermont and New Hampshire will be in the path of totality, will occur April 8, 2024. ■



Bridgewater resident Mike McCarthy views the eclipse through one of the observatory’s telescopes.



Stephanie Sullivan of Maryland demonstrates how her homemade pinhole box viewer works.



Find out more about BSU’s observatory at <https://bridgew.edu/observatory>.



MANY YEARS AGO, when his bosses wanted to investigate problems on the MBTA bus route that snaked along the congested roadways between Roxbury's Dudley Square and Cambridge, Lawrence J. Harman knew how to do it. All it would take was a specially equipped military jet flying low over Massachusetts Avenue during rush hour.

Simple enough.



Full circle

The career of Lawrence Harman, '63, has taken him to the CIA, UMass, the MBTA and back to BSU

BY JOHN WINTERS, G'11

Solving problems through the application of intelligence analysis gathered from above is something Mr. Harman was familiar with from his first job out of college – with the CIA – and during his time with the military. And so it came to be on a fall morning in 1972, a reconnaissance mission flown by a National Guard jet recruited from a Kentucky airbase traced the route of the Roxbury-to-Cambridge bus line, capturing photos along the way that helped Mr. Harman and his bosses at the University of Massachusetts and his former employer, the MBTA, locate 50 illegally parked cars that were jamming the bus route. Cue the tow trucks, and the problem was about to be solved.

This seminal event led to the eventual deployment of unmanned aircraft vehicles, or drones, for remote sensing of transit infrastructure, a practice that today is pretty much commonplace.

On a warm afternoon late last summer, Mr. Harman was standing in University Park operating an unmanned aerial vehicle (UAV, or drone) that was small enough to fit in a breadbox. It was equipped with high-definition cameras, and was a breeze to manipulate. It was a far cry from the jet fighter he'd summoned into action 45 years ago, but the goal was the same.

"It looks like my professional life has gone full circle," Mr. Harman said. "Bridgewater sent me to the CIA where we worked on U-2 spy plane images. Now I am back, doing similar geo-spatial intelligence work using UAVs."

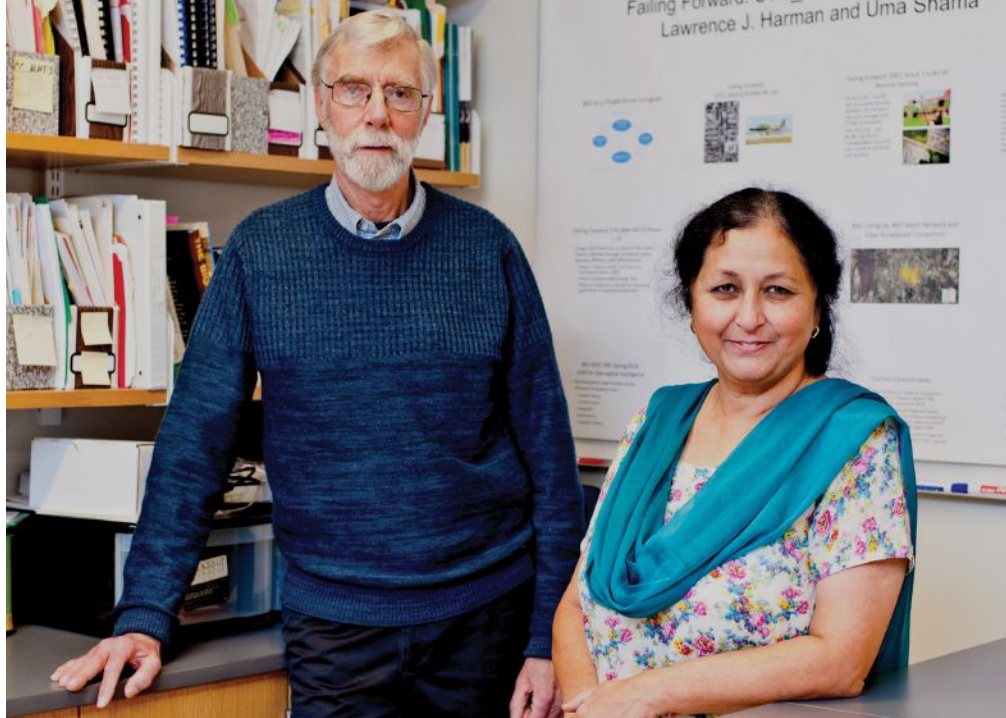
Obtaining a bird's eye view of transportation systems has been at the center of Mr. Harman's long and varied career. It's a career that was launched not long after he picked up his diploma.

Within five months of graduating from what was then Bridgewater State College, Mr. Harman found himself in the nation's capital working for the CIA. It was a dream job, and an auspicious start to a career filled with many high points. In addition to his work with the CIA, MBTA and UMass, a partial list of the positions he's held include: general manager and founding president of Call-a-Ride in Hyannis; director of transit research and planning and assistant secretary for public transportation, both with the Massachusetts Department of Transportation; as well as jobs in the private sector with EG&G Dynatrend Inc.

Ultimately, Mr. Harman's career circled back, and he found a home at his alma mater: Since 1995, he has been co-director, with Dr. Uma Shama, of BSU's GeoGraphics Laboratory. He credits his alma mater for preparing him for such an exciting career.

"Going to Bridgewater was the best thing that ever happened to me," Mr. Harman said, during an afternoon interview in the GeoGraphics Lab, which is located on the fourth floor of the Dana Mohler-Faria Science and Mathematics Center.

His story demonstrates how far hard work and forward thinking can take someone – even someone from relatively humble means like himself.



As a student at Bridgewater State, Larry Harman was a track star. Back on campus, today he serves as co-director, with Dr. Uma Shama (above, right), of BSU's GeoGraphics Laboratory, which the pair co-founded in 1995.

Mr. Harman was born in Dorchester, but moved with his family at the age of 9 to Hyannis. As a teenager, he worked a couple of jobs around town, sometimes making deliveries to the nearby Kennedy Compound in Hyannis Port.

The Kennedy brothers loomed large in his imagination back then, what with one in the White House, another as attorney general and the youngest about to become a U.S. senator. Mr. Harman recalls encountering the Kennedys in person. For instance, one Sunday, he was tapped to man the collection basket at St. Francis Xavier Church, only to notice that the person doing so on the other side was none other than Robert Kennedy. Brother Ted was at the same Mass, standing at the back of the church.

Seeing his idols up close and following their accomplishments helped fuel in Mr. Harman a desire for public service that remains to this day. However, he nearly missed his chance at a college education, when during his senior year at Barnstable High School, his father died.

"I didn't think I was going to college," Mr. Harman said. "My parents always wanted me to go, but after my dad died, I figured I'd have to go to work. But my mother said, 'No, you're going to college.'"

Bridgewater State was close by and affordable.

During his years at the college, Mr. Harman was a standout both in the classroom and on the track team. He washed dishes for minimum wage in Tillinghast Dining Hall, where he was allowed to eat to his heart's content. Upon graduation in May 1963, he owed a mere \$200 for his education. At first, he considered becoming an earth science teacher in Abington. However, being accepted for the Air Force officer's candidate school steered him in another direction. Ultimately, he set his sights on the CIA.

Mr. Harman isn't sure, but he suspects the person who cleared the path for him to the agency was Bridgewater State's late geography Professor Agrippina Macewicz.

Whoever the connection was, the October after graduating, Mr. Harman went to work for the National Photo Interpretation Center, a division of the CIA that was so secret then that even its name was classified. (Today, known as the National Geospatial-Intelligence Agency, it's less of a secret.) In October 1962, the staff of the center had spotted Russian missiles in Cuba on aerial photographs, leading to the historic standoff between the United States and Russia that came to be known as the Cuban Missile Crisis.

This job was formative in many ways for Mr. Harman. "The center had the best tools and the best-led and best-trained group of people I've ever seen," he said. "It was when we really valued intellectual discussions in government."

However, his time in the nation's capital was bittersweet. Mr. Harman had a job he loved, but a month into his tenure, he found himself on Connecticut Avenue watching JFK's funeral procession. "I said, 'There goes my hero,'" he recalled.

The job also introduced him to the practice of examining aerial photographs and other data, and applying the results in a variety of ways. While at the CIA, he enlisted in the U.S. Army Reserve and attended the U.S. Army Intelligence School.

After two years with the CIA, Mr. Harman headed west to pursue a master's degree in urban planning from the University of Washington. From 1967-1969, he worked as a Housing and Urban Development community planner in San Francisco. But with the changing of the decade, Mr. Harman knew he was due for a change.

"I realized I was not going to make it in the Nixon administration," he said. He came home for a time to serve as special assistant to the board of directors of the MBTA and then as special assistant to the president of UMass. After a stint from 1973-1975 in regional planning in South Florida, Mr. Harman headed back to Massachusetts for good, and he and his wife, Donna, started a family.

The ability to interpret aerial photographs would serve Mr. Harman well over the years, specifically in determining optimal ways to plan, monitor and operate transportation systems.

Having a fighter jet fly over that MBTA bus route in 1972 had made him an even bigger believer in aerial imagery analysis. It took a while, but society and industry would also catch up.

Meanwhile, another technology was gaining traction, and it, too, would capture his interest. In the mid-1990s, the federal government began mapping bus routes around the country using the expanding science of geographic information systems (GIS). A lot of grant money was made available for the right kind of projects, and Mr. Harman was quick to see the potential.

Around this time he returned to Bridgewater State to take a Saturday class with geography Professor Madhu Rao. It wasn't long until Mr. Harman co-founded the GeoGraphics Lab. That was 23 years ago, and since then, he and co-director Dr. Shama have been awarded grant funding for nearly 50 projects – at a total value of \$10.75 million, with a value to the university of \$4.3 million.

Over the years, he, Dr. Shama and the many student researchers they've worked with have employed a drone (really a tricked-out toy plane) to inspect potential hazards on railroad tracks, used GPS to monitor and map bus routes in several regions across the country to provide real-time arrival updates, and monitored and analyzed various transportation systems. And this just scratches the surface.

The lab's latest project has Mr. Harman once again taking and analyzing photos from above. He and Dr. Shama spent

last spring and summer using two drones to take photos of the campus and the surrounding area and applying aerial imagery analysis to the results. Thanks to BSU's wireless internet coverage, video from drones can also be live streamed for real-time monitoring. The work was intended to find out how drones can help the university monitor such things as traffic issues to energy use.

This technology holds great possibilities, Mr. Harman said, which is why he and Dr. Shama are proposing to turn the campus into a "living lab," where safety, efficiency, effectiveness and general infrastructure management can also be monitored from above.

"This changes the game as to how you do this," Mr. Harman said. "You can monitor the campus' roads in real time, and learn how you can improve maintenance and operation of the transportation infrastructure."

Making use of his extensive experience with UAVs, BSU has asked him to teach a course on their various uses. With more than a half century of experience in this area, Mr. Harman would seem to have a lot to share.

The needs of society and the technology that can be brought to bear on both opportunities and problems keep evolving. These days, Mr. Harman no longer needs a \$35 million jet to aid his work, but merely a \$3,000 mail-order drone.

"I guess if you live long enough, you can see it coming, and then you can take advantage of these things when they become available," he said. ■

Getting there from here

For nearly a quarter century, the GeoGraphics Lab has been mapping the country and more

BRIDGEWATER STATE UNIVERSITY'S GEOGRAPHICS LAB was founded in 1995 by Dr. Uma Shama and Lawrence J. Harman. Its focus is the application of advanced technology for transportation research and management. Among its many grant-funded projects, here are five of the most impactful. BSU students assisted in all of this work.

Mapping bus routes coast to coast The lab constructed the first-ever geographic information system (GIS) for transit that included every bus route in the country. Following its launch, representatives from Google visited BSU and presented students and staff in the lab with "Google Transit" T-shirts.

The Cape Cod Advanced Public Transportation Systems Working with far-sighted staff at the Cape Cod Regional Transit Authority (CCRTA), the lab won the first federal grant in the country for a project that tracked buses in rural and small urban areas. Dr. Shama organized a team of students that produced state-of-the-art automatic vehicle location products for fixed-route buses and dial-a-ride vans in Southeastern Massachusetts.

NASA/U.S. Department of Transportation Remote Sensing and Transportation Project Dr. Shama and Mr. Harman led national research that applied unmanned aerial systems (UAS or drones) to monitoring transportation infrastructure and transit operations. It led to cooperative research with the UMass Transportation Center, bringing BSU national and international visibility.

Cape Cod Wi-Fi "e-Transit Village" As an outgrowth of the Cape Cod project, the Federal Transit Administration gave the lab a grant to build and test an outdoor Wi-Fi "mesh network" on campus that could be used to improve the safety and security of transit service on Cape Cod. BSU's information technology department turned this small grant into a nationally significant outdoor Wi-Fi network, ranking BSU among the top six "wireless" colleges and universities in America.

Cape Cod Integrated Intermodal Traveler Information The CCRTA and the lab used federal economic stimulus funding to design and deploy real-time web-mapping applications that tracked every intercity bus, ferry and train between Cape Cod, Boston and Providence, along with every CCRTA bus on the Cape. This real-time information was displayed on large screens at intermodal terminals and shopping malls, and on smartphone apps to help tourists and seasonal workers use inter-regional passenger transportation. BSU students who designed these systems landed high-tech jobs around the country or became PhD candidates at prestigious universities. ■

IF THERE'S A SILVER LINING to the opioid epidemic that's been ravaging the country – and Plymouth County in particular – it's that the opiate antidote Narcan has become more readily available.

With the start of this academic year, Bridgewater State University took this a step further, becoming the first school in the nation to implement a public-access Narcan program. The drug, previously used only by medical professionals and police, is now located in 50 defibrillator boxes across campus, including in residence halls, administrative buildings and parking lots. Additionally, institutional and student security officers who work in the residence halls have been trained on how to handle an overdose.

As part of the rollout of the new initiative, an informational and training event was held in the Rondileau Campus Center Ballroom in early September.

President Frederick Clark Jr., an early supporter of the university's public-access Narcan program, said that while some may believe making the antidote readily available "sends the wrong message," the stakes are too high to accept the status quo.

"We say it sends exactly the right message, that we can't afford to be bystanders," he said. "We can't afford to live with our heads in the sand." The president added, "We care about our community, so we will continue to act... We all need to roll up our sleeves and address this crisis."

Breaking ground

BSU is the first university in the nation to implement a public-access Narcan program

BY JOHN WINTERS, G'11

The BSU police agreed that now was the time to act. "The 'nobody else is doing it' argument doesn't make sense any longer," said Deputy Chief of Police Glen Anderson.

Narcan is the brand name of the drug Naloxone.

Delivered to someone who is overdosing, either via a nasal spray or injection, it can revive the individual within minutes and allow him or her to begin breathing again. It does this by interfering with the connections between the opioid and the brain's receptors, taking away the "high" and reversing the slowed breathing and heart rate associated with overdoses.





Using a mannequin, Detective Sergeant Robert McEvoy of BSU's Police Department shows how to administer Narcan during a training event on campus in September.

The Police Assisted Addiction and Recovery Initiative (PAARI) has donated to BSU 50 Narcan kits that contain two doses each, courtesy of Adapt Pharma, Inc., of Radnor, Pennsylvania, saving the university more than \$6,000 to start the program. Based in Gloucester, PAARI works with nearly 300 police departments across the nation to support their efforts to combat the opioid crisis.

The severity of the opioid crisis in Plymouth County was hammered home by several of the speakers at the September event. One statistic that jumped out – in favor of providing Narcan in public spaces – was cited by Chief Scott C. Allen of the East Bridgewater Police Department. He indicated that between January and September 2017 in Plymouth County, 682 people had been saved from dying by overdose through the administration of Narcan.

Meanwhile, Plymouth County District Attorney Timothy J. Cruz said, "Opioids are affecting every community; it does not have a zip code, it is everywhere."

Mr. Cruz indicated that six communities in Plymouth County rank in the top 10 percent statewide in opioid death rates per capita. Last year, 187 people died from opioid overdoses. The majority of these occurred in individuals aged 20-29, which is why so many of those speaking at the event applauded BSU's public-access program. "We are right in the middle of (that age group) here," Mr. Cruz said.

Plymouth County Sheriff Joseph D. McDonald Jr., who called the opioid crisis "one of the biggest disasters that we have seen in our lifetimes," said programs like public-access Narcan and the work of law enforcement, first responders, treatment centers, and those who help addicts or work to prevent opioid abuse, make a real difference. "Lives will be saved, and perhaps that is the most important thing we can derive from all our efforts," he said.

Closing the meeting was Dr. Daniel Muse of Signature Healthcare. An important player in BSU's Narcan program,

he explained how the opioid crisis came to be, and discussed how the various drugs affect users. He spoke of the importance of making Narcan available, saying the drug has already saved many lives. "There are so many avenues for potential overdose now, so knowing how to use Narcan is a benefit," said Dr. Muse. "It's going to be good for the school and put BSU at the forefront of higher education institutions in the state. Once this takes off, others will reach out. We need a school coalition, and we need to be connected."

His message was grim at times, but he did open the door to small signs of hope. "We are losing the battle," Dr. Muse said. "But we are making strides."



Lieutenant Tim Donovan of the Town of Bridgewater's fire department shows Bridgewater resident Bob Marks how to perform CPR during the Narcan training event in September. Cardiac arrest often accompanies opioid overdoses.

Following Dr. Muse's talk, local first responders, drug counselors and BSU students were among the attendees who took part in Narcan training.

The event was sponsored by the BSU Police Department. Assistant Chief Michael Froio served as master of ceremonies, and many of the department's officers were in attendance, including Chief David Tillinghast.

Since the initial rollout of BSU's public Narcan program, it has expanded to include the Attleboro campus. New Bedford and Cape Cod locations will soon follow. Also, the BSU Police Department has trained in excess of 900 individuals on the use of Narcan and opioid-overdose awareness. ■



No typical day

Each day on the job brings challenges and rewards for two alumnae committed to reducing opioid use

BY JOHN WINTERS, G'11

ON THE FIRST DAY OF HER INTERNSHIP at the Community Outreach, Prevention and Education Center in Brockton, Amanda Sandoval, '12, was a bit on edge. The new position put her on the front lines in the battle against opioid use. It didn't help matters when her new boss told her, "You're going to be working with prostitutes, pimps and heroin users."

"I didn't know what to expect," said the Brockton native, who now lives in East Taunton. "It was what I was reading about and being tested on in school, but it was scary."

Sitting in the shade of the mobile home that serves as her office on the campus of High Point Treatment Center in Brockton, Ms. Sandoval ended the recollection of that day with a smile. "I fell in love with the job," she said.

Today, she is assistant director of prevention services for High Point Treatment Center/Brockton Area Opioid Abuse Prevention Collaborative. If she wasn't exactly passionate about the profession on that first day of her internship, it wasn't long afterward. All it took was getting to know the people behind the stereotypes, which was an important part of that initial

"Generally, if we reach one person, we've had a successful day."

—ANNA DOWD, '14, G'16, (right), working with Amanda Sandoval, '12

*“When I started in this field, no one wanted to even use the word ‘heroin.’
Now, not one person hasn’t been touched by it.”*

–AMANDA SANDOVAL, ’12, (left), pictured updating her office’s busy schedule at High Point Treatment Center.

internship. “Sitting down and just talking to some of the clients of the drop-in center, hearing their stories and getting to know them as people and not as their mental illness or addiction, helped me understand addiction and mental illness on a deeper level,” she said. “It was also very humbling.”

Anna Dowd, ’14, G’16, underwent a similarly profound conversion. She signed on for an internship in substance use prevention so she could effectively check it off her list of possible careers. “I wanted to see if this was a field I wanted to work in, and I expected to write it off,” she said. “Then the opposite happened.”

While visiting with a D.A.R.E. officer in East Bridgewater on her first day as an intern, Ms. Dowd’s supervisor turned to her and told her to take notes. “I started frantically writing down everything,” she said. Now working part-time at High Point, she not only does her fair share of writing and data analysis – things she’s comfortable with – but also speaks to groups and works in the community.

“I like this job so much because it pushed me out of my comfort zone,” said the Brockton native and West

Bridgewater resident. “It also helps balance my work as a clinician, because here I’m assisting with the parents and loved ones who care about the people I’m working with.” Today, Ms. Dowd is a coalition coordinator for the collaborative. “I do this as my second job, but I do it because I love the work and love the people,” she said. “I’m not going anywhere.”

Both young women were undergraduate psychology majors at BSU. Ms. Dowd also has a master’s degree in clinical psychology, and Ms. Sandoval is working toward a master’s degree in clinical social work.

Ms. Sandoval oversees the implementation of five different grants that fund prevention in nine communities in Plymouth County. She works with schools, police and fire departments, local government and various organizations. Her role includes regular meetings with members of the collaborative, ongoing efforts to introduce Narcan to more public places, removing the stigma from getting treatment and educating the public about the dangers of drug and alcohol use.

“We do everything from trying to prevent substance use and experimentation from happening in the first place, all the way to keeping overdoses from happening by teaching potential bystanders how to respond to an opioid emergency,” Ms. Sandoval said. “We work with anyone and everyone willing to work with us.”

She also helps develop curricula for schools, assists parents who are dealing with an addicted child and works with programs that offer free hepatitis C and HIV testing. This list just scratches the surface of her duties. “The work keeps evolving,” Ms. Sandoval said.

Ms. Dowd is employed by Bridgewater State Hospital in addition to High Point. She said it’s an interesting time to be involved with drug and alcohol prevention. “The clinical landscape is undergoing lots of changes,” she said.

Though no day on the job can be described as “typical,” Ms. Dowd works with schools and organizations seeking to enroll in a Narcan-distribution program, leads coalition meetings in area towns where opioid-related topics are on the agenda and presents underage drinking prevention programs to schoolchildren. “Generally, if we reach one person, we’ve had a successful day,” she said.

The work never ends, Ms. Sandoval said. “When I started in this field, no one wanted to even use the word ‘heroin.’ Now, not one person hasn’t been touched by it.” ■






Both

BY JOHN WINTERS, G'11

Jocelyn Cabral, '18, stands at the corner of County and Covell streets in Fall River, where at one time she fed her addiction to opiates by buying and selling the drugs.



COUNTY STREET IN FALL RIVER has a reputation. It's not a good one. Where the busy road intersects with Covell Street lies a section of the Flint, a neighborhood long recognized as home to proud first- and second-generation immigrant families who work hard and occupy the surrounding triple-deckers. In recent years, however, these streets have also become known as a hub of prostitution and drug dealing.

It's here that Jocelyn Cabral, '18, used to buy prescription opiates and sell crack. Later, this habit would grow to include a heroin habit she knows she's lucky to have escaped.

On an early fall morning, Jocelyn looked around her old stamping grounds. She pulled her cardigan sweater tight against the slight breeze. "If it was a little warmer," she said, "you'd be seeing some prostitutes going house to house, even at this hour."

A mix of late-model SUVs and mid-sized sedans, along with a good number of beaters with thumping radios and louder exhaust systems, hustled past. A broken beer bottle lay in the gutter; someone neglected to pick up after their dog. Jocelyn pointed to a nearby street. "I used to sell drugs out of a house down there," she said.

sides now

Social work major beats addiction, now helps others with the fight

Her natural confidence was on display as she said these things. It's the same confidence that helped her turn her life around to the point where in May a clean-and-sober Jocelyn will graduate from Bridgewater State University with a degree in social work and a minor in criminal justice. When she speaks of her days and nights around the drug houses and littered corners of County Street, Jocelyn doesn't do so to shock. She wants to emphasize how low she'd fallen.

How bad did it get? One day in 2012 she'd promised herself after years of abusing prescription opiates that if she ever started using heroin she'd seek help. And when that happened, she recalled, "I still refused to admit I had a problem." She convinced herself, "I'm just having fun." She described a game she used to play: "One day I remember telling myself, 'I'm not using today. I am not getting high today.' Even as I'm picking up the drugs, I'm saying 'I'm not getting high today.' I had no control over my body. It was like an animal instinct, like I was doing it to survive. That was scary to me. I remember doing heroin that day and crying."

Jocelyn, now 34, has thought a lot over the years about what it was that put her on the road to addiction. She talked about how moving from her native Fall River to Dartmouth during her formative years and living at a remove from her home city left her feeling like an outsider. "The effects of not feeling good enough, not feeling loved and not feeling connected all contributed to my using" she said.

Jocelyn tried to fit in during her high school years by drinking alcohol and smoking cigarettes and marijuana with the boys. Home was always a place of fraught emotions for her. The battles intensified over time, and when she came home one day during her senior year and proclaimed she wanted to go to bartending school, it

Soon, things began to slip. The next few years saw bad relationships and a struggle to stay in college. Eventually, Jocelyn got to the point where she couldn't hold a job for longer than six months. In 2011, she took to dealing drugs on the streets of Fall River and invited a prostitute to live with her. "I wound up hanging with drug dealers and selling crack, looking to fit in," she said. "I started to feel important and accepted and felt connected. These (buyers) need me." She paused for a moment, and in a telling throwaway comment, added, "All the things I was looking for."

Jocelyn found she liked the life. It was around this time she also began snorting heroin. She was lucky, in a strange way. At first, she was getting "garbage" – heroin that had

"One day I remember telling myself, 'I'm not using today. I am not getting high today.' Even as I'm picking up the drugs, I'm saying 'I'm not getting high today.' I had no control over my body...I remember doing heroin that day and crying."

–Jocelyn Cabral, '18

led to her severing the relationship with her parents. The hardest part of moving out was leaving behind her younger brother, Jordan.

Slowly, with the turning of the decade, the downward slide continued. A new friend at work took Jocelyn under her wing, and soon she was living with the woman and her boyfriend. They were drug dealers.

These were not healthy decisions, to say the least. However, Jocelyn traces her long slide into addiction to when she was hospitalized with a kidney infection at 19, and the morphine drip the painful condition required. It gave her a feeling she never forgot. It was a feeling she soon began chasing. It didn't take long before her drug use escalated.

Not everything that happened to Jocelyn was bad. The industrious young woman worked hard at first and earned enough to buy a three-family home in Fall River, which she rented out. She had a nice enough car and began making friends; her bills were always paid on time. Ironically enough, from 2005-2009, Jocelyn's "straight" job was working days at a residential treatment program. Even during the darkest days in the grip of addiction that came later, she took these things as signs that she was still doing all right.

been cut with copious amounts of what was probably quinine and was naturally less addictive. However, after attending her first Narcotics Anonymous (NA) 12-step meeting in November 2011, she met a man who had access to "the good stuff." Suddenly, Jocelyn realized she could get even higher for a quarter of the price. "I did one bag, snorted it, and it took me back to the days when I was on the morphine pump. Instantly, I fell in love," she said.

The cause and effect were almost immediate. Work, paying bills and doing anything productive fell by the wayside. She became a slave to her habit. Yet she was still a landlord, had her own wheels and wasn't living on the street. How bad a problem could she have?

"I hit my bottom when I stopped digging that hole," she said.

When her live-in boyfriend at the time told her, "If I'm going to detox, you're going to detox so you can get your act together," Jocelyn gave it another try. She kept failing. It seemed like every three weeks or so she was back, needing help once again.

"I thought, 'I'm in this frigging detox, and I may as well start listening,'" she said. "Finally, one of the clinicians

BY THE NUMBERS

The opioid epidemic in the United States

(2015 statistics, updated May 2017)

said to me, 'What are you doing here again? You're not like the rest of these people. What are you going to do different?' Finally, I thought I was supposed to do something different." The third time in detox was the charm, helped by the fact that someone at last told her that she needed to change to stay clean.

With the help of an intensive outpatient program and regular attendance at NA and Alcoholics Anonymous meetings, Jocelyn began climbing out of that hole. Seven months into sobriety, however, fate dealt her a cruel and nearly debilitating blow: Her brother, Jordan, was found dead of an overdose. He was 25, owned his own barber shop, and seemed to have the perfect life and career.

"That really set me back," Jocelyn recalled. She didn't even know her brother had a drug habit. The loss was a turning point, but in a good way. Not only did she continue to stay clean, she led an NA group of her own, began speaking in public about the dangers of addiction and eventually completed her associate degree at Bristol Community College. She transferred to BSU at the start of the 2014 academic year.

Over the past few years, Jocelyn has worked for agencies that address substance use, and she recently accepted an AmeriCorps position as program coordinator with the Police Assisted Addiction Recovery Initiative, working with the Plymouth County Outreach program. She collaborates with 28 police departments, including the BSU police. She also reconciled with her parents and moved back home, freeing her to devote her time to helping others who have lost their way as she had.

Life is better, but having lived amidst the throes of addiction has its ongoing costs. "My cousin just passed, and, every week, someone I know on Facebook dies," Jocelyn said. But these things only strengthen her resolve.

She is in the process of turning her three-family home in Fall River into a recovery house that she has named the Jordan Matthew house, in honor of her brother. For Jocelyn, this represents the act of turning the negatives of her past into a positive future for herself and others.

"I decided I want to work in treatment," she said. "I want to help people who are struggling like I was, and dedicate my time to reducing the stigma and the number of opioid deaths as much as I can." ■

12.5 million

People misused prescription opioids

2.1 million

People misused prescription opioids
for the first time

828,000

People used heroin

135,000

People used heroin for the first time

33,091

People died from overdosing on opioids

15,281

Deaths attributed to overdosing
on commonly prescribed opioids

9,580

Deaths attributed to overdosing
on synthetic opioids

12,989

Deaths attributed to overdosing on heroin

\$78.5 billion

In economic costs (2013 data)



Front line

BY JOHN WINTERS, G'11

Professor Elizabeth Englander researches issues arising in local classrooms. Often hers is the first word on the matter.

WHEN PSYCHOLOGY PROFESSOR ELIZABETH ENGLANDER visits local K-12 schools, she pays extra attention to how students are using their cellphones and other electronic devices. She also listens to what teachers say is happening. Often, what she's seeing and hearing provide the basis for trailblazing research into matters of bullying and cellphone use, among other issues.

"The work we do in schools is key," Dr. Englander said. "We sometimes hear about these issues that traditional researchers don't hear about because they're not out in the field."

Classrooms often form the nexus where the latest technology meets the developing minds of the young and vulnerable, and what Dr. Englander picks up on can be signposts of nascent problems.

The reason Dr. Englander spends so much time in local classrooms is because she is the founding director of the Massachusetts Aggression Reduction Center (MARC). Since 2004, the center has been providing anti-bullying programming to K-12 schools. What began as an operation staffed by Dr. Englander and 10 students today comprises

three full-time employees, a few graduate assistants and up to 25 undergraduate students. Last year, MARC supplied programming and other anti-bullying services to 446 area schools, with 86 percent of these services delivered free of charge.

This first-hand observation of young people and their cyber habits is where Dr. Englander and her staff spot developing issues. Some of these issues will be deemed worthy of study, and Dr. Englander and the staff of MARC pride themselves on being able to quickly pull together a focus group or survey on emerging problems.

"I think before you didn't have these issues popping up so frequently," Dr. Englander said. "These days, you need some researchers who have their ear to the ground."

In recent years, cellphones in the hands of youngsters have been revealed as a source of problems. Take sexting, for instance. Made famous – or infamous – by actors, athletes and politicians, the practice of texting sexually explicit photographs of oneself soon enough trickled down to involve the teenage set. While this was making headlines around the world, Dr. Englander and her staff were hearing in local classrooms that the practice had taken on an even more menacing aspect. "No one was talking about it, but we heard from some of the kids that coercion was going on," she said. "We were able to introduce that topic, and now it's very mainstream."

Dr. Englander hopes the research raises red flags and lets other experts begin studying or developing programs to help combat the problems.

Spotting a potential issue in local classrooms, pulling together the baseline research, and publishing the first article on the matter usually takes just a few months.

The latest studies conducted by Dr. Englander deal with the changing ways young people are using – and abusing – their cellphones, as well as the effect of letting elementary school-aged children have their own phones. This research adds to a growing body of findings that detail the effects of allowing young children to have a cellphone.

Dr. Englander's work, which has been published in peer-reviewed journals, indicates that some children begin sexting as early as middle school.

The second study she conducted showed that owning a cellphone in third and fourth grade was predictive of whether young people became involved in cyberbullying: The younger they are when they get a phone, the more likely they are to abuse it.

The upshot of much of Dr. Englander's research in this area is the need for education about cellphone use. "If we are going to give young children extremely powerful devices, we have to talk to them about how to use them, and we have to think about how they can learn about some of the pitfalls," she said.

Dr. Englander's research is meant to be foundational for future discussion, debate and other studies. "We're cracking open the door and giving everyone some data to get started," she said. "It's not meant to be the final word."

Being first out of the gate with important research has allowed Dr. Englander to fortify her position as a national expert on bullying. She's a regular in the media and at conferences, sharing her findings and years of experience regarding all types of bullying and aggression prevention. "What we've done is carved out a niche for ourselves that really didn't exist before," Dr. Englander said. ■

KEY FINDINGS

TWO NEW STUDIES CONDUCTED BY DR. ENGLANDER reveal not only how early children are using cellphones these days, but also the impact of this vis à vis sexting and cyberbullying. The research has been published in peer-reviewed journals. A few key findings:

THIRD AND FOURTH GRADE

Owning a cellphone during these years is a key indicator as to whether youngsters become involved in cyberbullying.

MIDDLE SCHOOL

Sexting begins for some young people at this age, and they are more likely to experience adverse effects from their actions.

HIGH SCHOOL

Good news for this age group: The number who are sexting has fallen from 70 percent in 2013 to 59 percent in 2015. Why? More parents and children are talking about sexting's ill effects.





Resident artist

Alumnus chosen for prestigious MASS MoCA program

BY JOHN WINTERS, G'11

FOR THREE WEEKS IN OCTOBER, Douglas Breault had a room of his own.

The 2012 graduate was selected as one of eight artists to participate in a residency at the Massachusetts Museum of Contemporary Art, or, as it's commonly known, MASS MoCA.

The rectangular studio he was provided at the North Adams museum featured two windows overlooking a tributary of the Hoosic River, letting in plenty of light by which to work. Mr. Breault (pronounced Bro) spent his time creating a large painting of his father's former home in East Providence, and a series of cyanotypes using the blinds from the studio windows. The work adorned every wall of the space, and looking over it, the artist seemed pleased with what he'd accomplished.

He spent part of the last full day of his residency cleaning up his temporary studio; that night a group of local art buyers, fellow artists and curators would be coming through the studios to check out the work created by Mr. Breault and the other artists in residence.

Having time to commit to nothing but his art was a wonderful opportunity, he said. "It's sort of a nice indulgence to be alone and not have to work or do dishes and all that stuff, and just having the time to be in the studio and focus on my work," he said. "It's been really exciting."

When he arrived at Bridgewater State, the North Smithfield, Rhode Island, native wasn't thinking about a career in the fine arts; he was an English major. However, after taking a photography course as an elective, he was smitten. "It was something I was ten times more interested in than writing," he said.

Convinced he'd found his calling, Mr. Breault had to face telling his mother he was about to become an art major. He need not have worried. His mom signed on pretty quickly, though she did have a few questions, he said. "She asked, 'Where did that come from?'"

Mr. Breault immediately tacked in this new direction and hasn't looked back. "It seemed like a leap of faith," he said. "But you learn to jump in with both feet and immerse yourself in it."

The gamble paid off. Since then, his work has been featured in numerous solo exhibitions and earned him a three-week travel grant from Tufts University allowing him to study in London and Paris. His most recent coup was the MASS MoCA residency.

Douglas Breault, '12, (left) compares his painting of his father's one-time East Providence home with the Google Maps image that inspired the artwork.



Douglas Breault's work from his MASS MoCA residency are (top) "The Wind and the Widow," acrylic and Sharpie on canvas, and "Blue Window Series," cyanotype and pencil on Stonehenge paper.

After graduating from BSU, Mr. Breault earned an MFA from the School of the Museum of Fine Arts at Tufts University in Boston. He hopes his residency at MASS MoCA will be the next step in his burgeoning career.

The museum occupies the former location of the Arnold Print Works. The many old factory buildings at the site

make the museum the perfect place to create and exhibit artwork of all styles and sizes. Since 2015, MASS MoCA's residency program has hosted more than 200 artists, each enjoying private studio space and living accommodations.

Mr. Breault was one of 400 hopeful artists who applied for eight available MASS MoCA residencies.

"I applied on a whim, to be honest, so I was pretty excited when they called," he said. "I think there's really something cool about MASS MoCA. "Usually when people think of cutting-edge art, they think of New York City or London. But here you have these huge installations in the middle of the Berkshires."

A bonus of the residency for Mr. Breault was the museum's long-term exhibit of artwork by Robert Rauschenberg. He has been inspired by the artist's assemblages since his time at BSU, and the three weeks at the museum gave him the chance to study the work firsthand. "It's the thing I found here that changed the way I was thinking," Mr. Breault said. "The audacity of his work and the way he played with the rules."

Mr. Breault's own work mixes photography, sculpture, installation, video and digital imagery, which merge and support one another. These hybrid constructions are created in such a way that the viewer is alert to the physicality of the media he employs. His work is informed by art history, pop culture and contemporary digital media.

It's clear his art is situated in the present, but with an eye to the future. The large painting Mr. Breault created at

MASS MoCA made use of both old-school methods and a bit of digital magic. It was based on a Google Maps photo of his father's old house. The image on the screen appeared distorted when enlarged; he liked the effect and incorporated it into his painting.

This fits well with Mr. Breault's approach to his work. "I have this huge interest in post-Internet culture," he said. "All these things around us are accessible. And I'm intrigued with finding images on the Internet, making them into something else and asking, 'What's real? and 'What's not real?' In some ways, you can make your own reality."

While at BSU, Mr. Breault had work featured in *The Bridge*, the award-winning, student-run journal of art and writing. His undergraduate years also allowed him to connect with several BSU faculty members – in particular Mary Dondero, Angel Tucker, Mercedes Nuñez, John Hooker and Ivana George – who not only influenced his work but also have given him ideas about his future.

"I'd like to teach somewhere like Bridgewater," Mr. Breault said. "Learning at an institution like this, you want to come back." ■



Above is Douglas Breault's 2017 installation, "Flowers Don't Ask To Be Picked," at the Boston Center for the Arts. The project involves a series of mixed media sculptures that draws questions to the boundless space of the Internet and the endless imagination of what heaven could look like. Mr. Breault scoured the Internet for images connected to his father, who passed away nine years ago, and connected the fragmented images with found materials and self portraiture. The digital paintings and videos incorporated into the sculptures embrace glitches and pixelation to expose the limitation of the digital media.

Upcoming ALUMNI EVENTS

For more information about the following events, visit www.alumni.bridgew.edu or call 508.531.1290.

ALUMNI CHAMBER CHOIR CONCERT

SUNDAY, MAY 6, 4 PM
Central Square Congregational Church,
Bridgewater

BRIDGEWATER ALUMNI ASSOCIATION ANNUAL MEETING AND DINNER

WEDNESDAY, JUNE 6, 6 PM
Dunn Conference Suite

RETRO '70S, '80S AND '90S REUNION

SATURDAY, JUNE 9, 4-7 PM
BSU Campus
Happy hour followed by a campus BBQ

WEST SIDE STORY

SUNDAY, JULY 29, NOON
Wamsutta Club Luncheon
and Zeiterion Theatre, New Bedford

MET AND MARRIED CELEBRATION OF COUPLES WHO MET AT BRIDGEWATER STATE

SATURDAY, SEPTEMBER 8, 4-8 PM
The Tent at University Park

HOMECOMING AND FAMILY DAY

SATURDAY, OCTOBER 13
For a complete schedule, visit
www.alumni.bridgew.edu/homecoming

AWARD NOMINATIONS

The Bridgewater Alumni Association Awards are presented annually to deserving alumni, faculty, staff and friends of BSU who have made an impact in their communities through their work or service to others. Nominations are accepted throughout the year and may be submitted by mail to the Bridgewater Alumni Association, 26 Summer St., Bridgewater, MA 02325, or online at www.alumni.bridgew.edu.

BAA BOARD NOMINATIONS

The nominating committee of the Bridgewater Alumni Association is seeking candidates for boards and committees. To learn more, contact the Office of Alumni Relations at 508.531.1290 or www.alumni@bridgew.edu.

STAY CONNECTED

Send your news to the Office of Alumni Relations via email to alumni@bridgew.edu or mail to 26 Summer St., Bridgewater State University, Bridgewater, MA 02325.

The class notes editor reserves the right to edit submissions for clarity and brevity. Submitted photos must be either high-resolution digital images or original prints from film. Photos generated on home printers are not of publication quality.

AlumniUpdate



BAA annual meeting

In June 2017, the Bridgewater Alumni Association celebrated its volunteers at the organization's annual meeting and dinner.

Taking part in the celebration are two of the board's newest members, Margarida Vieira, '03, G'07, (left) and Lori Hindle, '97.

The BAA also gave special thanks to board member Joan Casabian, '66, G'78, (above, center) for her years of service.

Enjoying the event are (above, from left) Jacqueline Fitzpatrick, '62; Ashely Reidy Gaudreau, '08; Betsy Dubuque, G'11; Ms. Casabian; Brendan Concannon, '14; Lori Hindle, '97; and Dr. Brenda Molife, vice president for university advancement.



New Alumni Center open house celebration

The Office of Alumni Relations has a new, welcoming home, located at 26 Summer Street. The staff kicked off the alumni association's 175th anniversary at the start of the academic year with an open house. Come for a visit.

Celebrating the open house are (above left) President Frederick Clark Jr., '83, and student trustee Kyle Bueno, '18. On the front steps are (clockwise from bottom left) Student Government Association Vice President Kyleigh Morin, '20; Student Government Association President Marco Cobar, '18; President Clark; Vice President for University Advancement Dr. Brenda Molife; Director of Alumni Relations Shana Murrell; and BAA President Jason Stocker, '04.



The Bridgewater State University Athletics Hall of Fame Class of 2017

Seven new members were welcomed into the hall during Homecoming and Family Weekend in October. Six inductees attended the event, and the seventh, Paul Callahan, '63, who passed away in 2016, was represented by his wife, Elizabeth "Betty" Sawin Callahan, '63.

Pictured are (from left) Elizabeth Sawin Callahan; and inductees Neil Crowley, '93; Mark Goldman, '92; Steve Smith, '08; Jenny Jones, '11; Allie LeBlanc, '09; and Jennifer Jackson, '08.

The Retro '80s Happy Hour



Enjoying the Happy Hour are (from left) Cheryl Stasio; Eileen Robichaud; Diane McCarthy, '84; Janet Briand-Reinhard, '83; Colleen Turner Secino, '83; Carrie O'Neill Smith, '83; and Gayle Kiley, '81.



Colleen Turner Secino, '83; Ellen Cuttle-Oliver, '82, G'88; and Pam Kenny Arrighi, '82, G'89, reminisce at the '80s alumni event.

The Retro '80s Happy Hour was made possible by an outstanding team of dedicated volunteers who called, emailed and encouraged classmates to come back to Bridgewater State University.

Some attendees stayed on campus at Weygand Hall and hosted their own informal cookout.

The event was such a success that another event will be held on June 9, and even more classes will be invited to join in the fun.



Coming together at the '80s Happy Hour event are (from left) Dot Lawler; Rob Pearl, '82; Gerry Beliveau, '82; George O'Brien, '82; Steve Burrill, '83; Keith Benoit, '81; George Mitsiaris, '81; Susan Kane Beliveau, '92; and Pam Kenny Arrighi, '82, G'89.

ALUMNI SERVICES

For more information about the services below, visit www.alumni.bridgew.edu

INSURANCE PROGRAM

The Bridgewater Alumni Association offers discounted car, home and recreational vehicle insurance.

Learn more about this program by visiting the alumni services link listed at the top of this column.

STUDENT LOAN ASSISTANCE

Through American Student Assistance® (ASA), a nonprofit organization that financially empowers college students and alumni, BSU alumni have access to expert student loan counselors.

ASA can be reached at 877.523.9473 (toll-free) or loanhelp@saltmoney.org.

For more information, visit www.saltmoney.org/bridgew.

WEBSITE

Visit the Bridgewater Alumni Association website, www.alumni.bridgew.edu, to learn more about events, services, and the activities of alumni chapters and committees.

FACEBOOK

The Alumni Association is on Facebook under "Bridgewater State University Alumni Assoc BSU."

LINKEDIN

The "Official Bridgewater State University Alumni" group on LinkedIn is more than 4,000 strong. Request to join the group today.

TWITTER

Follow us on Twitter @BSU_Alumni.

INSTAGRAM

Follow us on Instagram @BSU_Alumni.

Evening with the Stars

2017 ALUMNI AWARDS DINNER / NOVEMBER 4

The university's annual Alumni Awards Dinner celebrates the achievements, dedication and philanthropy of Bridgewater State graduates. Recognized for their many accomplishments, the 2017 honorees are (from left):

MARTHA D. JONES, '64, AWARD FOR OUTSTANDING DEDICATION TO STUDENTS
Susan Crosby-Tangen, '83, Associate Director, Athletics and Recreation, Bridgewater State University

DR. ADRIAN TINSLEY AWARD FOR ACHIEVEMENT IN THE ARTS
Barry Lew, '75, Retired Biology and Theatre Teacher, Leominster High School; Actor

NICHOLAS P. TILLINGHAST AWARD FOR ACHIEVEMENT IN THE FIELD OF EDUCATION
Anne Oliveira, '83, G'87, Teacher, New Bedford School District; 2015 South Coast Teacher of the Year by the Community Foundation of Southeastern Massachusetts and The Standard Times

DR. MARILYN WHITE BARRY, '58, GRADUATE ALUMNI AWARD
Michael LaFemey, G'89, Advanced Practice Registered Nurse and Licensed Mental Health Counselor, Arbour SeniorCare; United States Air Force Veteran and United States Army Reserve Member

DR. ADRIAN RONDILEAU AWARD FOR PROFESSIONAL ACHIEVEMENT AND COMMUNITY SERVICE
Laney Clement-Holbrook, '75, G'81, All-Time Winningest Girls High School Basketball Coach, Oliver Ames High School; Bridgewater State University Athletics Hall of Fame Inductee



DR. CATHERINE COMEAU AWARD FOR PROFESSIONAL ACHIEVEMENT
Donna Ruseckas, '82, Curriculum Coordinator of Physical Education and Health, Andover Public School District; Past President, Massachusetts Association for Health, Physical Education, Recreation and Dance

DR. GEORGE A. WEYGAND, '53, G'56, AWARD FOR OUTSTANDING SERVICE TO THE BAA
Susan Libby Thevenin, '64, G'74, Dedicated Reunion Committee Volunteer; Host of the Annual Bradenton Alumni Brunch Event

SARAH A. LEWIS DISTINGUISHED AFRO-AMERICAN ALUMNI ASSOCIATION AWARD
Barbara Jackson, '80, G'89, Retired Special Education Teacher, Boston Public Schools; Retired Master Sergeant, United States Air Force Reserve Veteran



Homecoming and Family Day 2017

Who says you can't go home again? Lots of Bears proved that adage wrong on October 21 when they returned to their alma mater in record numbers for Homecoming and Family Day. Excellent weather and a slate of new events helped bring alumni and their families flocking back to campus.

The football game didn't end well for the Bears, who lost to Western Connecticut State University, 27-20, but the rest of the day was, by all accounts, an absolute winner.



The activities began with the Athletics Hall of Fame dinner, which drew about 150 participants. Other events included a family day fair, sporting events, rides for the kids, campus tours, the Rathskeller tent and fireworks, along with plenty of food. The Class of 1967 (above) marked its 50th reunion by presenting a check for more than \$3.3 million to President Frederick Clark Jr.

All in all, the day's activities were worth coming home for.



ClassNotes

1942

Mary Hildreth Chassey and her husband, George, celebrated 75 years of marriage and their 96th birthdays on January 14, 2018. They have two daughters, six grandchildren and six great grandchildren. The Chasseys, who live in Columbia, South Carolina, met at Bridgewater State, where Mr. Chassey would have been a member of the Class of 1944, but he instead served in the U.S. Air Force during World War II.

1949

Natalie Weinstein Oxman and her husband, Robert, celebrated their 70th wedding anniversary with family.

1973

Keith Call retired following 30 years of service in commercial loan operations with Bank of America at the bank's Dedham, Waltham and Boston locations. Prior to his role at Bank of America, he was affiliated with the Professional Golfers' Association of America and served as a golf professional at several clubs in Southeastern Massachusetts. Mr. Call and his wife, Maureen, celebrated their 40th anniversary with a cruise to Bermuda. They live in Brockton, and spend time with friends and family on Cape Cod during the summer.

Stella Citrano and her husband, Lawrence Silverman, sold their Weymouth accounting and tax practice after 25 years of business but continue to serve their Cape Cod tax clients from their home in Falmouth. Ms. Citrano volunteers for the IRS VITA Tax Program, which provides free tax preparation for low income families, and as an instructor for the Academy of Lifelong Learning in Hyannis. She is also an Avon sales representative, inspired by the company's commitment to breast cancer awareness and research.

1978

Daniel J. Morgado, retired Shrewsbury town manager, was honored with the Fairman C. Cowan Municipal Leadership Award, which is presented to a person of remarkable merit who leads with purpose and passion, and who has made significant contributions to his or her community.

Teresa Murphy, G'05, is superintendent of schools in Mansfield, where she had served as assistant superintendent.

1980

Joshua W. Hamilton, PhD, is provost and vice president for academic affairs at Rhode Island College, responsible for assuring the college's academic excellence in its curricula, teaching, research and public outreach. He previously served as dean of the Swenson College of Science and Engineering and professor of biology at the University of Minnesota Duluth.

1981

Lisa H. Sprague works for the ENSr Medical team as education director for the State of Florida and is responsible for educating health professionals on non-invasive neuromodulation technologies for treatment and management of pain. She also provides education and training for physicians and their staffs on the process of pharmacogenetic testing.

Paula Squires is senior vice president of human resources at Brigham Health in Boston. She previously served for 11 years as senior vice president and chief human resources officer for Baystate Health in Springfield.

1983

Denise Cormier was awarded a 2017 Lunt-Fontanne Fellowship at Ten Chimneys Foundation in Genesee Depot, Wisconsin. A national program serving American theater, the foundation invites eight to 10 of the most accomplished regional theater actors in the country to participate in a weeklong master class and retreat.

1986

Christine Brennan was sworn in by New Hampshire Governor Chris Sununu as the state's deputy commissioner of education.

John Gould received an award from Junior Achievement for his more than 23 years of teaching the program to students in kindergarten through grade five.

1987

William A. Mitchell, vice president for administration/chief financial officer at Massasoit Community College (MCC), was named the institution's interim president. He has more than 30 years of experience in the Massachusetts Public Higher Education system. Mr. Mitchell, who was with MCC in a variety of roles from 1985-1994, returned

to the college in 2012 after serving as associate vice chancellor for financial services at the University of Massachusetts Dartmouth from 1994-2012.

1990

Attorney **James P. Harrington** was nominated by Governor Charlie Baker to serve as an associate justice in the Bristol County Juvenile Court. In practice for more than 20 years in Bristol County, Mr. Harrington specializes in family law and civil litigation. He is also the Committee for Public Counsel Services Resource Attorney for the Bristol County private bar, focusing on children and family law.

1991

Mike Cox was inducted into the Order of Constantine at Sigma Chi's 2017 Grand Chapter.

1992

Joan Q. Simmonds, G'92, has earned Certified Financial Planner™ credentials from the Certified Financial Planner Board of Standards.

1995

Christine Murphy joined Goodman, Shapiro & Lombardi, LLC, a law firm with offices in Dedham and Lincoln, Rhode Island.

1996

Jennifer Aradhya was named 2017 District 1 Communicator of the Year by the National Council for Marketing & Public Relations. She has led Middlesex Community College's Office of Marketing Communications since 2012 and oversees all aspects of marketing, public relations, communications, advertising and social media.

Timothy Nixon is a lieutenant in the West Bridgewater Police Department.

1997

Randi Cooley Wilson, a best-selling author, along with Wrecked Productions, LLC, unveiled plans to debut a music video and book trailer, "Reckless: A Dark Paradise Video," in the United Kingdom, African Union, Asia and North America.

Dr. James Demers is principal of Westport Junior & Senior High School. He had been an assistant principal in Falmouth since 2003. Prior to that, he was a math teacher and department head at Middleborough High School.



SHAYLA MOMBELEUR, '12

A young lawyer interested in helping those in need

BY JOHN WINTERS, G'11

Shayla Mombeleur knew early on she wanted to devote her professional energies to serving those in need. Today, she works as a trial attorney for the Committee for Public Counsel Services in the criminal public defender division in Suffolk County, regularly arguing cases before the municipal courts in Boston and Chelsea.

Last year, Ms. Mombeleur, who also holds a degree from the University of Massachusetts School of Law in Dartmouth, was chosen by the Massachusetts Bar Association to receive its Oliver Wendell Holmes Jr.

Scholarship. The \$10,000 tuition award recognizes tomorrow's legal professionals who are committed to serving under-represented populations.

Ms. Mombeleur, who grew up in Dorchester and saw first-hand family members struggling with substance use, said she is "absolutely thrilled" to earn an award that is borne from that personal experience as well as her work to help people in similar circumstances. She said her selection is also an affirmation of her belief, expressed in her scholarship essay, that the criminal justice system needs to better accommodate people with mental illness and substance abuse problems.

While at BSU, where she majored in political science, Ms. Mombeleur made frequent trips to her father's native country, Haiti, bringing baby formula and other essentials to an orphanage. "It was a way for me to give back, to help my own community," she said.

Those trips and her own background inspired her desire to help disadvantaged people, but Ms. Mombeleur credits her professors at BSU with having helped shape that motivation into a specific career objective of becoming a lawyer who works as a public defender or a civil rights advocate.

At law school, Ms. Mombeleur has served as a judicial intern in two Massachusetts district courts and as a student attorney for the Bristol County District Attorney's office.

In addition to receiving the scholarship, which she plans to use for future education and professional expenses, Ms. Mombeleur was invited to participate in the Bar Association's Leadership Academy, a program that seeks to develop and nurture future bar and civic leaders.

Her long-term goal is to become a judge in one of the state's specialty courts that deal with people facing substance abuse and other challenges, allowing her to "make decisions for those people I will fight for as an attorney." ■

1998

Matthew J. Cotti is chief financial officer of Good Samaritan Medical Center in Brockton.

Erin Twomey-Wilson graduated from Penn State University in May with a master's degree in applied statistics.

2000

James M. Mulcahy is principal of Sandwich High School and STEM Academy.

2001

Nicole Looney is director of Gilbane Building Company's Interiors Group in Boston overseeing its operations. She provides leadership focused on operational continuity, maintaining client satisfaction and expanding market presence. Ms. Looney joined Gilbane in 2013 as project manager, and in 2015, she was promoted to project executive.

Dalila Mendoza is director of the English Language Learners program for Taunton Public Schools.

John Nesti is employer services manager for Brockton Area Workforce Investment Board (BAWIB). In this newly created position, Mr. Nesti is the key link between area employers and individuals seeking jobs through BAWIB and its program YouthWorks. BAWIB is a business-lead, policy-setting board that oversees workforce development initiatives in the region.

Jaclyn C. Stevenson is director of public relations at Columbia-Greene Community College in Hudson, New York, and is responsible for promoting the college and its credit and noncredit programs for students of all ages.

Chakara White-Cardillo was crowned Mrs. Massachusetts America

2017. She also competed at the Mrs. America National Pageant in Las Vegas, Nevada.

2002

Richard Swanson, G'02, G'11, was named principal of Hingham High School in 2017, 10 years after being appointed the school's assistant principal. He said he is looking forward to his new role with great anticipation. Mr. Swanson began his education career in 1992 at St. Elizabeth School in Chicago, Illinois, as part of the Inner City Teaching Corps. He has taught eighth grade students and coached basketball.

2003

Michael J. Laubinger is vice president at Victoria Capital Management, Inc., contributing to investment management and business development. Prior to joining the firm, he was vice president

financial consultant with Charles Schwab & Co. Inc., serving high-net-worth families in Charlotte, North Carolina. Mr. Laubinger began his career in Boston in 2003 as a financial advisor focusing on financial planning and wealth management.

Lindsey Weston is a kindergarten teacher in the Carlisle Public Schools.

2005

Brendan Fitzgerald was promoted to vice president of asset protection at BJ's Wholesale Club. He was formerly director of asset protection operations for the company, leading all home office functions that directly support the field asset protection team, clubs and distribution centers.

Maureen Kemmett is principal at Furnace Brook Middle School in Marshfield, where she had served as assistant principal for the past five years.

Christopher Pereira returned from a tour of duty in Qatar and Afghanistan in July. He was awarded a coin for excellence by Major General Jeff Taliaferro, Commander 9th Air and Space Expeditionary Task Force-Afghanistan and Commander, NATO Air Command-Afghanistan, and Command Chief Master Sergeant Lisa Arnold, 9th Air and Space Expeditionary Task Force-Afghanistan. Mr. Pereira has also been recommended for the Air Force Commendation Medal for distinctive meritorious service and achievement during his tour.

2006

Daniel Blair is director of athletics at Northern Essex Community College in Haverhill.

Amy Pepin is event manager for Capital Pride Alliance in Washington, D.C., a nonprofit organization dedicated to serving the needs of the LGBT community and its partners.

Nick Pirelli, G'09, was promoted to interim director of the Parks and Recreation Department for the Town of Canton, where he had been assistant director since 2014.

2007

Jean Marston, G'07, is vice principal at Sacred Heart High School in Kingston. She previously served as assistant principal at Archbishop Williams High School in Braintree.

Jamieson Wicks is director of facilities for North Shore Community College in Danvers.

2008

Melanie Denham is head coach of women's rugby at Harvard University. She is the second head coach of the program in the history of the university.

Joel Edwards, an American tenor, was a featured artist in the 2017 Halifax, Nova Scotia, Summer Opera Festival. In an interview, Mr. Edwards credited his alma mater for driving his career interests: "I became interested in singing during my undergrad days as I was training to be an orchestral flute player. I took my first voice lesson in the spring before finishing my undergrad degree." He was a music major at BSU and earned a master of music degree in opera performance at Longy School of Music of Bard College in Cambridge.

Tracey Livingston is a business manager for an international coach training, life and executive coaching and facilitation company based in Doha, Qatar.

Andrew Tarasuk, G'08, is executive program director for Nashoba Valley's Geriatric Psychiatry Center where he oversees operations management as well as social work services offered at the Garvin Center. Mr. Tarasuk was instrumental in spearheading the opening of the center in January 2014.

Anthony Vizakis, G'12, is head football coach at Milford High School, where last season he was associate head coach and offensive coordinator. During the 2014 and 2015 seasons, he was Franklin High School's offensive coordinator.

2010

Brianne McDonough is assistant co-op coordinator for the College of Computer and Information Science at Northeastern University in Boston.

2011

Michael Cosgrove was promoted to principal at O'Connor & Drew, P.C., in Braintree.

Cindy L. Firestein, G'11, was presented the 2017 NACADA Global Awards Program: Outstanding Advising Award - Primary Role. She is certified as a global career development facilitator.

2012

Richard H. Carroll is a senior portfolio administrator with The Colony Group. As part of the firm's Investment Services Department, Mr. Carroll provides operational support and client service.

Hope Hanscom is assistant superintendent of Mashpee Public Schools.

CAREER SERVICES

Help lead Bridgewater State University students to success

UPCOMING EVENTS

JOB & INTERNSHIP FAIR

THURSDAY, APRIL 12, 11 AM-2 PM
Adrian Tinsley Center

Attend BSU's largest career fair of the year. More than 120 employers will be on campus recruiting for full-time, professional-level opportunities, as well as available or anticipated internships. Meet local, regional and national employers who value the quality of a BSU education.

MERC EDUCATION CAREER FAIR

THURSDAY, APRIL 19, 10 AM-3 PM
Boston University

In its 44th year, MERC is one of the most in-demand education-based recruiting events to be held each year.

BSU EDUCATION CAREER FAIR

WEDNESDAY, MAY 2, 4-6 PM
Rondileau Campus Center Ballroom

Attention teacher candidates. Representatives from 50+ public school districts, charter schools, private/independent schools and educational non-profits will be on campus recruiting for teaching opportunities.

ENGAGEMENT OPPORTUNITIES

BSU STUDENT AND ALUMNI NETWORKING GROUP

Join the BSU Student and Alumni Networking Group on LinkedIn.com and connect with BSU students and other alumni. Help members explore career options, learn about internships and jobs, and build networks on this popular professional social media site.

EMPLOYER-IN-RESIDENCE

Spend five-10 hours a month improving your company's visibility on campus while offering students résumé and cover letter critiques, as well as workshops.

ON-CAMPUS ALUMNI ENGAGEMENT

Many opportunities are available for alumni to engage with BSU students on campus. Career Services is seeking alumni interested in taking part in career panels, as well as the annual Etiquette Dinner and the Networking Mocktail Reception.

For information about these programs, call Career Services at 508.531.1328 or email the office at careersrv@bridgew.edu.

ALUMNI SNAPSHOTS



Jennifer Corey MacCallum, '07, married Douglas MacCallum on March 18, 2017, with a number of BSU alumni in attendance.



Shannon Oliver Panchuk, '09, and Matthew Panchuk, '07, were married in the Dominican Republic on April 20, 2017. Attending were several alumni of BSU's Greek life community. Pictured are (from left) Paul Buckley, '10; Alyssa Orsatti Buckley, '11; Steven Gaudreau; Laura Gilbert Gaudreau, '09; Janelle Howard, '10; William Testa; Courtney Smith, '10; Christopher Harvell, '12; and Nathan Clapp, '10.



Glenn dePontbriand, '04; Peter Starr, '05; Dan Blair, '06; and Chris Starr, '05, hosted a golf tournament at Pease Golf Course in Portsmouth, New Hampshire, last summer to honor their fellow BSU graduate and friend, Matt Eaton, G'09, who lost his battle with cancer in November 2016. The Matt Eaton Memorial Golf Tournament raised more than \$14,000 to benefit the Jimmy Fund.

2013

Nicholas Pistacchio was named officer of the year by the North Smithfield, Rhode Island, Police Department. A three-year veteran of the department, he is credited with more than 400 arrests in the past year.

2014

Larry Azer, G'14, is director of finance and operations for the King Philip Regional School District, which serves the towns of Norfolk, Plainville and Wrentham.

Allyssa M. Beird, G'14, became just the second woman to complete stage one of the finals of the *American Ninja Warrior* TV show in Las Vegas. Her run ended on September 18, when she faltered on the course during stage two. Ms. Beird is a fifth-grade teacher at Henry B. Burkland Elementary School in Middleboro.

2015

Raeshelle Cooke is an award-winning filmmaker and founder of Massachusetts-based film and video production company RMC Pictures. In 2015, her film *Sometime Around January* was nominated for Best Short Film at the Shawna Shea Film Festival in Southbridge. In 2016, her short film *Mt. Washington* won a Special Mention award for an indie film at the LA Film

Awards. Her newest 20-minute short, *Wrath City* (2017) is a semi-finalist at the Los Angeles CineFest.

Laurie Donati is administrative assistant to the executive vice president of distribution at Boston Mutual Life Insurance.

Edward Jewell, is head football coach for Northampton High School.

Katyann LaCerra was honored with the JoAnn Young Guardian Angel award for dedication to Special Olympics, Staten Island, and her work as a swimming coach.

Dan Riordan is the newest member of the Melrose Police Department. He attended the Northern Essex Community College Police Academy in Haverhill.

Erick Thiemke is a rowing coach at the University of North Carolina at Chapel Hill.

2016

Manuel "Manny" Gomes joined the ranks of the Canton Police Department. Mr. Gomes, who is multilingual, also serves in the Army National Guard.

2017

Mikaela Shelby is an assistant athletic trainer at State University of New York at Canton.

Q:

Did you earn a BSU degree or certificate in December 2016, May 2017 or August 2017?

If so, we invite you to share your first year post-graduation experience with us.

Your participation is very important to us as we work to improve BSU student support services and academic programming.

We have questions.
You have the answers.

Take a 5-10 minute survey, which will be sent via email to all alumni who have shared their email address with BSU.

Or – access the survey at <http://bit.ly/2z1fwFi>



Survey also available on:
Career Services website (<https://microsites.bridgew.edu/careerservices>) or the College of Graduate Studies website (<https://www.bridgew.edu/academics/colleges-departments/college-graduate-studies>)

NotaBene

MARRIAGES *The university celebrates the weddings of the following alumni:*

Caitlin C. Seddon, '16, to James D. Lonergan, '16, on October 12, 2017

IN MEMORIAM *The university is saddened by the deaths of the following alumni and extends condolences to their loved ones:*

Ethel Cowgill Jacobson, '38, on April 6, 2017
Barbara Luttet O'Donnell, '40, G'76, on August 24, 2017
Liette M. Morin Fregeau, '41, G'52, on July 25, 2017
William M. Mahoney, '42, on April 15, 2017
Robert F. Bergeron, '43, on April 27, 2017
Edna L. Dolber, '43, on May 9, 2017
Eleanor C. Blaine, '44, on October 13, 2017
Mary Kennedy Henry, '46, G'63, on April 15, 2017
Margaret A. Spooner, '47, in 2015
Virginia Perkins Bramhall, '47, on June 13, 2017
Elizabeth Sullivan Navin, '49, on May 10, 2017
Anne McGee Stanton, '51, on April 18, 2017
Katharine Benson Bickford, '53, on March 29, 2017
Mary Lois Lyons Brophy, '54, on July 27, 2017
Shirley Brown, '54, on October 12, 2017
Robert G. Forest, '54, G'59, on April 15, 2015
Ann Burgess Morris, '54, on June 29, 2017
Emily R. Sanson, '55, G'68, on October 11, 2017
Janet Rourke, G'56, on January 9, 2017
Caroline McPeck Sullivan, '56, on February 6, 2017
John J. Braithwaite, '57, on August 16, 2017
Patricia Thomas Pitaro, '57, on August 13, 2017
Albert L. Readdy, '57, on July 4, 2015
John B. Lonergan, '58, on March 13, 2017
John D. Riordan, G'58, on April 8, 2017
June Marsh Gould, '60, on December 14, 2016
Kathleen Fuggio Hopkins, '60, on February 4, 2017
Robert J. O'Keefe, '60, G'63, on October 7, 2016
Raymond Thompson, '61, G'68, on June 25, 2017
Judith Murphy DeFilippo, '62, on June 17, 2017
Ann R. Coddair, '63, on October 16, 2017
Paul F. Doherty, '63, on October 6, 2017
Robert C. McKee, G'63, on April 11, 2017
Leonard Rapoza, G'63, on May 9, 2017
Marvin Wechsler, '63, on April 7, 2016
David R. Condrón, '64, G'70, on October 27, 2017
Jo-Ann Casper Silvia, '64, on July 10, 2017
Jeannette M. Cummings, '65, on September 20, 2017
Raymond Bussolari, G'66, on May 20, 2017
Emma Adams Drew, G'66, on July 9, 2017
Barbara Harriman Kirkland, '66, on April 13, 2017
Joyce Pavao Swanson, '66, on March 2, 2017
Barbara A. Hagstrom, '68, on October 5, 2017
Glenn L. Levesque, '69, on July 19, 2017
Wesley A. Shaw, G'69, on August 13, 2017
Gerald H. Cardoza, G'71, on July 1, 2017

Lawrence D. St. Pierre, '71, on March 20, 2017
Kenneth E. Pike, G'72, on April 7, 2017
Thomas E. Sullivan, '72, on June 18, 2016
Evelyn Bettencourt Sylvia, '72, G'80, on April 13, 2017
John M. Coakley, '73, on July 31, 2017
Lenore DiZio Purington, '73
Patricia Marques Maida, G'74, on March 10, 2017
Susan Watrous, '75, on June 7, 2017
Cynthia A. Clancy, '76, on March 18, 2017
Catherine T. Coccimiglio, G'76, on May 10, 2017
Carolyn Spence Kozak, '76, on June 19, 2017
Beverly A. Studebaker, '76, on October 13, 2017
Stephen G. Jennings, '77, on June 23, 2017
Patricia Hart Tierney, '79, on April 29, 2017
Frederick J. Spencer, '81, on January 31, 2017
Mary Callahan Whittaker, G'84, on June 2, 2016
Sandra Muniz Colbert, '86, on April 30, 2017
Deborah A. McNamara, '86, on March 30, 2017
Frances Stoddard, '86, on March 25, 2017
Charlene L. Sullivan, '86, on August 7, 2017
Alisa Safley Macone, '89, on May 11, 2017
Michael J. Walsh, '89, on March 27, 2017
Raymond W. Agius, '92, on September 22, 2016
Lisa A. Arno, '92, on May 25, 2017
Robin J. Cambra, '92, on October 9, 2017
John Young, '92, on May 7, 2017
Jane C. Lopes, '93, on April 18, 2017
Marie Silva, '93, on July 16, 2017
Michael A. Demarkles, '94, on October 18, 2016
Lynne M. Theroux, '95, on June 15, 2017
Carolyn W. Donovan, '96, on May 25, 2017
Christopher M. Hassett, '01, on April 6, 2009
Michael F. Svirsky, '01, on October 3, 2017
Colleen J. Dolan, '02, on April 1, 2017
Jesse M. Andrade, '08, on July 16, 2017
Vanessa Masucci MacCormick, '09, on September 23, 2017

BSU pays its respects to the following faculty members who recently passed away:

Dr. Richard Calusdian, professor emeritus in the Department of Physics, on September 6, 2017
Dr. Arnold Girdharry, professor emeritus in the Department of English, in September 2017
Professor Kathleen M. Sevigny, professor emerita in the Department of Accounting and Finance, on May 7, 2017

PartingShot



Katia Greene, '11, (left) helps Morgan Capodilupo get ready for her role in the January production of *Once Upon a Mattress*, produced by BSU's Family Performing Arts Center. Next up for FPAC is *The Little Mermaid*, which comes to the stage in July.

For more information, visit www.familyperformingartscenter.com.

Photo by Deirdre Confar

GIVE TO THE BRIDGEWATER FUND

Help BSU students like **Amanda**, **Leandro** and **Haley** make their dreams a reality.



"I am so grateful to the BSU community for giving me the opportunity to reduce my student loans by providing me with this generous scholarship."

— Amanda Pace, '18

A senior majoring in sociology, Amanda hopes to become an electroencephalogram technician, helping doctors with neurological testing at Boston Children's Hospital.

Beyond being a diligent student, Amanda is also a dedicated member of the Refined Movement Dance Team here on campus, where she is able to pursue her passion for both dance and helping others.



"My goal is to use this scholarship to assist in paying for my bill balances and continue to represent the home of the Bears on dean's list every semester! Thank you!"

— Leandro Andrade, '20

A sophomore majoring in management with a minor in public relations, Leandro is working toward his degree in aviation management.

Through his hard work and perseverance, Leandro hopes to set an example for his younger siblings as only the second member of his family to graduate from college. Ultimately, he hopes to inspire younger generations to embrace every opportunity to learn.



"You have given me an extra hand in paying for my education. Thank you from the bottom of my heart."

— Haley Muir, '18

A senior in the Bartlett College of Science and Mathematics, Haley is majoring in earth sciences with a concentration in environmental geosciences and a minor in Spanish. With the knowledge she has gained, Haley is well on her way to one day earning her PhD in planetary geology or astrophysics and dreams of working for NASA.

GIVE.BRIDGEW.EDU/BSUFUND

THANK YOU!

Your support eases financial concerns of BSU students.
Because of you, they are able to go on to make their mark in our world.



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A MAGICAL ADVENTURE THIS JULY AT BSU!

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THE LITTLE MERMAID is presented through special arrangement with Music Theatre International (MTI). All authorized performance materials are also supplied by MTI. www.MTIShows.com