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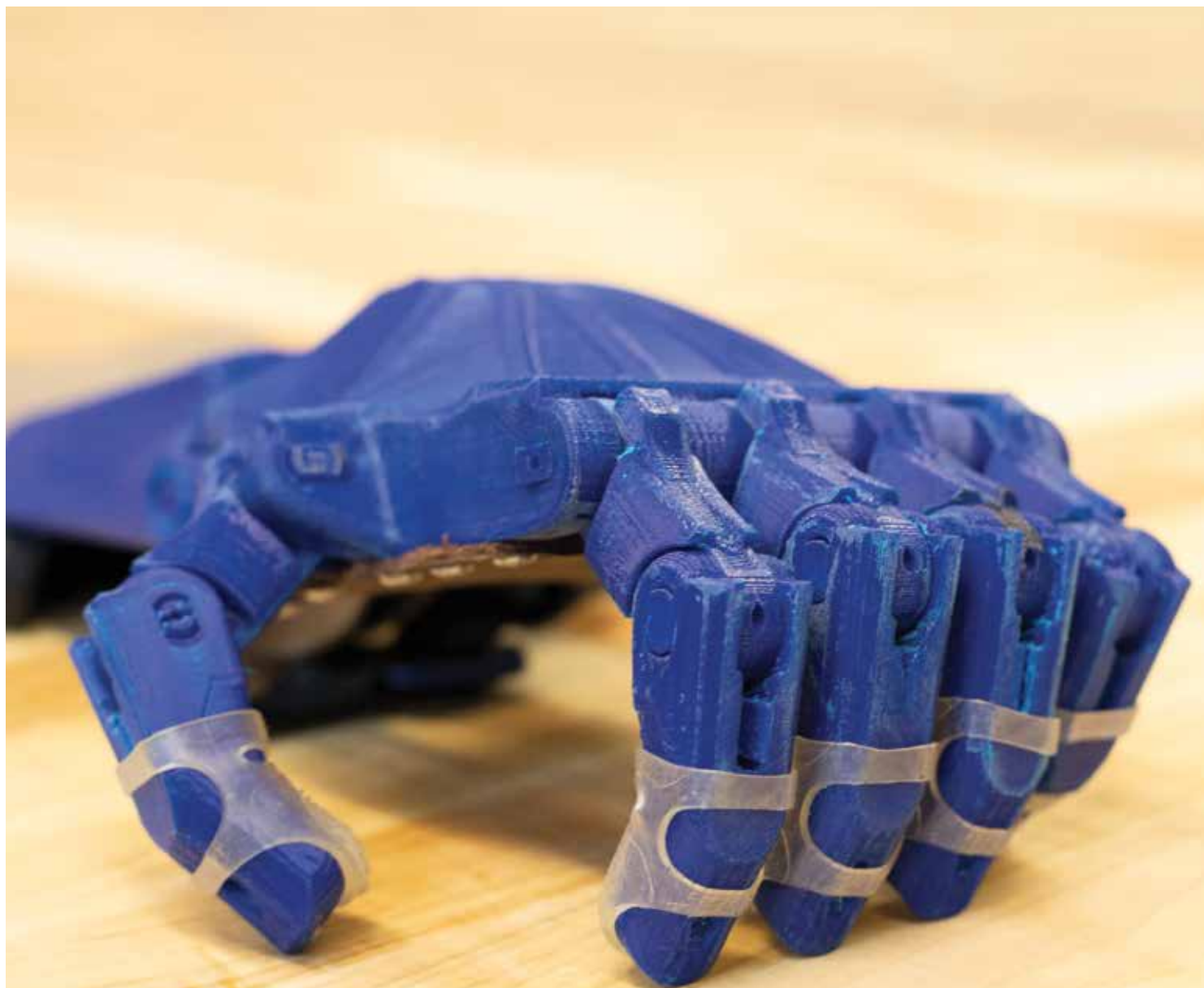
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Bridgewater

FALL 2019

STATE UNIVERSITY MAGAZINE



What's New?

BSU team creates prosthetic hands in innovative campus lab

Also new at BSU: in-demand academic programs, groundbreaking labs, community-outreach projects, leaders in the arts

STUDENT SPOTLIGHT

Teresa Magan doesn't deal well with obstacles. She moves past them with determination and looks ahead to whatever's next. It's a trait that has served her well over her 47 years.

Teresa and her siblings fled the civil war in her native El Salvador in 1987, when she was 17. A family on Long Island sponsored them, and she was able to become a United States citizen and graduate from high school, after which she moved to Rhode Island. After marrying, she moved to Massachusetts.

The Taunton resident enrolled in BSU's College of Continuing Studies in fall 2018 via the MassTransfer program, having earned an associate degree at Bristol Community College in arts and general studies, and also studying for a time at Community College of Rhode Island. At BSU, she is majoring in sociology and hopes to minor in history.

Teresa works two full-time jobs, raises a family, volunteers at her 10-year-old daughter Emma's school and at St. Vincent DePaul's food pantry, and makes much-needed clothing for premature babies in Nigeria. She also deals with rheumatoid arthritis, which she was diagnosed with at the age of 2. But, as you'll see, nothing keeps her out of the classroom or interrupts the pursuit of her goal to help other immigrants who are struggling to feel at home in the United States.

What made you want to pursue higher education?

It was always in the back of my mind to go back to school. My main goal is to help people coming from other countries not to feel awkward. I know how we struggled when we got here. I knew I needed to get an education to do this, even though when it was time to go back to school I said to myself, 'This is going to be difficult.'

Also, I want to be a role model for my daughter. She needs to know that if she is going to do well in life, she needs an education. Life is not easy, and I don't do it because I'm a superwoman. I'm not. But I think education opens doors.

How challenging is it to continue your education at this point?

I don't see it as a challenge. I think it's more of a time management issue. I think if you put your mind to it and decide you are going to finish something, you can do it if you manage your schedule the correct way. I don't go home and complain. It is what it is. I chose this.

What would you say to others thinking about going back to school?

To do the best they can, continue learning and take advantage of the great things this country has to offer, not only the freedom, but also the chance to better themselves. It will be fine if they put their mind and soul into it.

Can you imagine that day when BSU's president hands you your degree?

It will feel like I've reached the light at the end of the tunnel. I was raised by a single mom working two jobs whose four children all went to college. It wasn't easy for her. Then I can tell her, 'This is my bachelor's degree, and now I'm going for my master's. It's taken me a long time, but I got there.'

Interview by John Winters, G'11

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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.

For up-to-date university news, activities and events, and to view past issues of the magazine, visit <http://bridgew.edu/news-events>.

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Bridgewater

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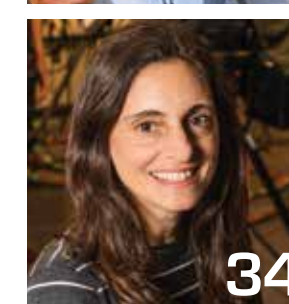
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Have some great photos to share? Post them on social media with the hashtag #BSUPartingShot and you might find one featured in an upcoming issue of *Bridgewater*. We're looking for high-quality, high-resolution photos that make us say WOW! Check out page 48 to see what we mean.

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3-D printed prosthetic hands are being made for adults and children in need in BSU Makerspace Lab (photo by Drew Cambra)



PRESIDENT'S PERSPECTIVE

PRESIDENT FREDERICK W. CLARK JR., ESQ., '83

Dear Friends,

"What's new at Bridgewater State University?"

That's a question I get a lot. Often, I feel like answering, "How much time have you got?"

Anyone who visits the campus comes away with the sense that it's a place on the move. For when it comes to student success, BSU does not believe in standing still.

On the next page, read about BSU being honored with a 2019 Award for Undergraduate Research Accomplishments by the Council on Undergraduate Research (CUR), one of just three institutions nationwide to receive this recognition. This is welcome news, but it should come as no surprise. The roots of this success date to the spring of 2000 and a presentation featuring the research collaborations of Professors Edward Brush, Kevin Curry, Peter Saccocia, Ann Brunjes, Andrew Harris and their students. Then President Adrian Tinsley, inspired by their work, provided funding for the Bridgewater Undergraduate Research Opportunities Program (BUROP), which was initiated the following academic year. BUROP was the forerunner to today's Adrian Tinsley Program for Undergraduate Research, which has been at the vanguard in supporting, promoting and funding this high-impact practice. Hundreds of BSU students over the years have been chosen to attend CUR's annual conference. Even more impressive, BSU leads the nation in having students selected for Posters on the Hill, one of the most prestigious scholarly events for undergraduate research. For each of the past nine years, at least one of our students has been so honored. Beyond this are countless stories of success related to BSU's undergraduate research program and its network of faculty advisers and mentors. While it has long been tops in our book, we're pleased to see so many others agree.

Elsewhere you can read about our new photonics/optics program, which was heralded by none other than Lieutenant Governor Karyn Polito, who visited campus at the end of October. The event also highlighted the major steps taken toward the university's first engineering program. (See the full feature on these developments on page 18.)

Also in these pages, you'll see evidence of our tireless pursuit of excellence on several other fronts. From a lab that's making inexpensive prostheses for those in need, to alumni who have followed their passions and created successful and enriching lives, to faculty who are not only excellent teachers but also whose work beyond the classroom reflects and informs some of the most critical debates taking place across the nation.

Emblematic of the university's commitment to forward thinking is the Academic Innovation Initiative. Now in its second year, the program continues to provide grants to faculty and other members of the BSU community to support cutting-edge ideas, projects and new programs. Already, it has produced inventive approaches in teaching and learning, as well as supported the founding of or strengthening of other high-impact practices, such as study abroad and undergraduate research. We believe these are the pillars of student success.

In keeping with the idea of innovation, you'll notice that this issue of *Bridgewater* magazine boasts a new design. It is an update that accurately reflects a dynamic and forward-thinking institution. Like BSU itself, it is bold and compelling.

In closing, when I think of all the exciting things happening across campus, I'm reminded of what the late CEO of Apple, Steve Jobs, once said: "Innovation distinguishes between a leader and a follower." That's why pushing against the status quo and seeking the next mountain to be conquered will always be hallmarks of what I like to call "the Bridgewater way."

With warmest regards,



President Frederick W. Clark Jr.



BSU Earns Top Award for Undergraduate Research Program

The Council on Undergraduate Research (CUR) has awarded Bridgewater State University a 2019 Award for Undergraduate Research Accomplishments (AURA). The award recognizes institutions with exemplary programs that provide high-quality research experiences for undergraduates. It will be presented January 24 at the CUR executive board reception during the annual meeting of the Association of American Colleges and Universities in Washington, D.C.

For several years, BSU's Adrian Tinsley Program for Undergraduate Research has been recognized as one of the best in the nation. The program funds student research in all disciplines, including an extensive summer research grant program.

The results are manifold, with student researchers presenting their work nationally and internationally. Meanwhile, annual symposia held on campus attract hundreds of students excitedly sharing the results of their research.

"I am very proud of our undergraduate research program, which has been a major driver of student success on our campus," said BSU President Frederick W. Clark Jr. "At the core are our faculty who founded and have been the life force of the program for 20 years. We have made sustained investments and embedded undergraduate research across the curriculum, so students in management and English participate, as well as students in physics and chemistry. Most importantly, undergraduate research aligns with our core values of providing all students with access to high-impact practices."

Now in its fifth year, the AURA award draws on CUR's characteristics of excellence in undergraduate research, which outlines criteria for exceptional undergraduate research, scholarship and creative activity programs. For AURA recognition, campuses must demonstrate depth and breadth in their undergraduate research initiatives and evidence of continual innovation.

"The 2019 AURA recipients demonstrate a dedication to diversity of undergraduates and academic fields, dissemination of student research, attention to essential support services and continual assessment," said CUR's Executive Officer Lindsay Currie. Assistant Provost Jenny Shanahan said the recognition from CUR is a tremendous honor. "The award letter cites the very priorities we have pursued at BSU: diversity, inclusion, equity in the transformative practice of undergraduate research, across every department and program," she said. "I'm filled with pride in our student-researchers and faculty mentors

CAMPUS CONNECTION

NEWS AND NEWSMAKERS



Among the many undergraduate research projects conducted at BSU are senior David Desouto's work to develop animated videos that convey art history for use in classroom lectures, and 2019 graduate Vanessa Sherman's research about the Mayflower Compact, which was featured in *Smithsonian* magazine. Both students received support from the Adrian Tinsley Program for Undergraduate Research.

whose work is among the highest-quality produced in any college or university anywhere. This award is for each of them."

Attesting to the impact of BSU's undergraduate program is Brian Dolle, '19. After earning his degree in physics, he now works at Draper Laboratory, where he helps design and develop technological solutions to problems in the fields of national security, health care, energy and even space exploration.

"Research gave me the persistence to face unclear and challenging problems, which I use every day in my career. It was instrumental in me finding a job after graduation," Mr. Dolle said.

Also earning AURA Awards this year were Florida State University and Occidental College.

CAMPUS CONNECTION

NEWS AND NEWSMAKERS



Massachusetts Lieutenant Governor Karyn Polito is shown equipment on campus used in the study of photonics.

Photonics Programming Unveiled

The future of technology is arriving at BSU.

With help from a \$1.4 million state grant, the university is developing new programming and labs related to integrated photonics, a field that uses light to revolutionize industries such as telecommunications, precision measurements, biomedical sensing and imaging, and autonomous vehicles.

"You're going to do a lot of great training and workforce development around (these industries) and beyond," said Lieutenant Governor Karyn Polito in announcing the funding, which is part of a larger grant shared by BSU and Stonehill College. "It's really incredible work. Thank you for taking it on."

The money comes from the Massachusetts Manufacturing Innovation Initiative, which supports development of advanced manufacturing technologies, and it helps the schools start an integrated photonics hub for students training to be technicians and engineers. The hub, known as a Lab for Education and Application Prototypes, or LEAP, will enable students to earn a certificate set to launch next year.

Also next year, BSU plans to begin a new major in photonics and optical engineering to build on an existing minor and concentration within the physics major. "These programs will create opportunities for our students to gain skills and ultimately secure employment in a rapidly growing field," said President Frederick W. Clark Jr.

Photonics has the potential to revolutionize technology the way electronics has. And, partnerships between academia, industry and government such as this one are instrumental in doing so. "It really takes great leadership and vision, and a team of people to make that become a reality, and you've got a fantastic team here at Bridgewater State as well as with the collaboration evident today with Stonehill College," Lieutenant Governor Polito said.

Turn to page 18 to learn more about photonics at BSU.



Cutting the ribbon for BSU's new office at Brockton High School are Brockton and BSU officials, including (second through fourth, from left) BSU President Frederick W. Clark Jr., Brockton Interim Superintendent Mike Thomas, '92, G'99, and Brockton Mayor Moises Rodrigues.

BSU Opens Office in Brockton High School

Bridgewater State University has long had a message for Brockton students wondering whether college is right for them: "Yes, it is." Now, BSU faculty and staff can spread that message within the walls of Brockton High School.

The university has a dedicated office next to one of the school's cafeterias. The space, unveiled at a recent ceremony, is the latest example of the vibrant BSU-Brockton partnership.

"To physically be here, physically be a resource to the administration of Brockton High, but more importantly to the students of Brockton High, is what this is all about," said BSU President Frederick W. Clark Jr.

Having a presence in a high school is unique for a higher education institution, but it's an approach school and city officials hope grows. "It affords our students an opportunity to talk to someone within the building that will guide them in the future of their education," said Brockton Mayor Moises Rodrigues.

The new office builds on BSU's extensive mentoring, scholarship and other initiatives that benefit Brockton students. University faculty and staff will use it to continue mentorships started through programs such as the Bridge Partnership, provide professional development for Brockton educators and offer financial aid counseling.

President Clark also announced two new scholarships named for the late Mayor Bill Carpenter, a key proponent of a more diverse teaching workforce. They will fund tuition and fees for Brockton students who are committed to teacher preparation programs at BSU and chosen for the award by their principal.



Alumna Donates Japanese Prints

Ellen Farren, '57, (above) taught physical education in Japan for three years. She came away with an appreciation for the country's culture and for Japanese woodblock prints.

She recently donated more than two dozen prints from her impressive collection to BSU's Wallace L. Anderson Gallery. "I feel that my pictures have a home now," Ms. Farren said.

The prints were displayed on campus during the summer.



Akemi Inagaki, *Evening Gloom*



Kihei Sasajima, *Ikarugarji*



Kiyoshi Saito, *Geisha*



Dr. Tim Hopper (center), main instructor for the Professional Tennis Management Program, poses with students from the first cohort.

Professional Tennis Management Program Plays on into Second Year

The partnership between Bridgewater State University and the United States Tennis Association is about to enter its second year.

The university's Professional Tennis Management (PTM) program, the first of its kind in New England, enrolled six aspiring tennis professionals in its inaugural year.

"That first cohort went very well, beyond our wildest dreams," said Dr. Lisa Krissoff Boehm, dean of the College of Graduate Studies, who was key to bringing the program to BSU.

Members of that first cohort have now transitioned into the master's program, which is online, and a second cohort will begin next May.

Students can enroll in the PTM graduate certificate program or put their earned credits toward a master's degree in physical education with a concentration in PTM.

The program includes a one-credit course, typically held each spring, followed by a ten-day intensive residency on campus in June. A pair of online courses takes students through the fall, and the following spring, an internship is required.

BSU hired Dr. Tim Hopper as the program's main instructor. He teaches students both on the court and in the classroom.

The College of Education and Health Sciences will also play a role in the new programs, which are expected to eventually include a master's degree, as well as an undergraduate degree as soon as fall 2020.

Stages of Success

A Fulbright and an ATP grant allow two students to spend the summer pursuing their dreams



Fulbright Scholarship Allows Junior to Study Shakespeare in the U.K.

Ethan Child, '21, an English and secondary education major, studied the plays of William Shakespeare by traveling to the United Kingdom.

The East Bridgewater native was one of three United States college students chosen by the prestigious Fulbright Summer Institute scholarship initiative to spend three weeks in June in the United Kingdom as part of an academic and cultural program hosted by the American Institute for Foreign Study. (Another 13 students not affiliated with Fulbright also took part.)

The students studied acting and Shakespearean texts at the Globe Theatre

(a reconstruction of the original) and participated in workshops on combat and swordplay, movement, dance and design. They performed an abridged version of *Pericles* and had the unique opportunity to conduct rehearsals on the Globe's stage.

As a future educator, Ethan plans to use music and rhythm to teach his students the best way to get across the meaning of Shakespearean dialogue.

"This is something I don't think I even would have gone after before I was at Bridgewater," Ethan said. "Since I've been at Bridgewater State, I've really learned to go after every opportunity."

ATP Project Leads to a Promising New Gig

Karly Foster, '20, spent the summer working at Barrington Stage Company in Pittsfield designing and sewing costumes for a handful of the theater's productions.

Last year, the psychology and theater major was accepted into BSU's Adrian Tinsley Program (ATP) for Undergraduate Research and Creative Work Summer Grant program. ATP provides grants for undergraduate research opportunities. The money covers supplies and other expenses, giving students the opportunity to conduct in-depth research or creative work for 10 weeks in the summer. Students are also mentored one-on-one by a professor.

The focus of Karly's ATP grant research was to learn about and enhance her skills in costume design.

She believes that under the guidance of Theatre Professor Miranda Giurleo, she is evolving into a talented designer. "At first, I was only able to sew a straight line on a sewing machine," Karly said. "Every time we met she would show me what to do... If I got stuck, she would show me different techniques, how to do things more carefully."

Karly's efforts are paying off, and she is slowly making a name for herself in the theater

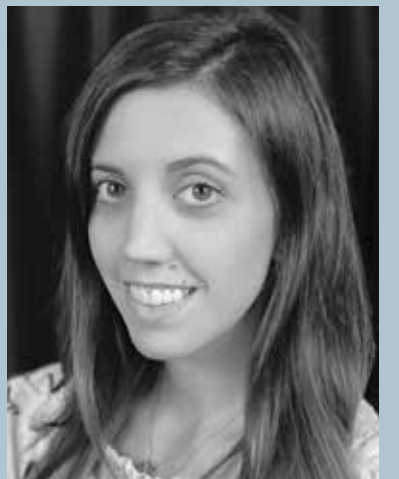
world. The previous summer, she was employed as an assistant costume designer for Boston's Company One production of *Leftovers*.

This past March, Professor Giurleo and Karly traveled to Louisville, Kentucky, for the United States Institute for Theatre Technology Conference, where Karly presented a poster related to her ATP summer grant project on Victorian women's walking dresses.

To create the dresses (below), Karly researched the Victorian period, focusing on the many different layers and fabric weight that women wore during that era.

With each experience, she continues to build a solid resume toward what she hopes becomes a steady career as a costume designer.

"I've loved theater my whole life but never considered doing it for a job," she said.



CAMPUS CONNECTION

NEWS AND NEWSMAKERS



Dr. Christine Brandon, along with Richard Sullivan (center) and Chris Maio, researchers from Woods Hole Oceanographic Institution, conduct fieldwork in November 2012, one month after Hurricane Sandy made landfall.

Professor's Research Earns Place at Smithsonian

The research of Dr. Christine Brandon, an assistant professor in the Department of Geological Sciences, is being featured in the Smithsonian National Museum of Natural History's newly reopened fossil hall. She is included in a video shown in the same exhibit as *T. rex* at the Washington, D.C., institution.

The video project is part of an exhibit called "Deep Time," which describes 3.7 billion years of life on Earth and helps visitors understand how their choices might affect the future. It details Dr. Brandon's research into the impact of oyster beds in mitigating the consequences of storms on coastlines.

In her research, Dr. Brandon studies past storms, including 2012's Hurricane Sandy, which she compares to other hurricanes that battered the New York City area. By looking at sediment cores, she found storm evidence within the past 400 years, but not earlier. That date coincides with when the Dutch settled the area and started harvesting oysters.

Oyster beds, Dr. Brandon explains, protect coasts from storms. As oysters were harvested over the centuries, the beds disappeared, leaving the coastline more vulnerable to damage from hurricanes. "Oyster beds act like a speed bump and reduce wave height and power," she said.

Office of Alumni and Development Created New chief development officer hired

President Frederick W. Clark Jr. announced over the summer the creation of the Office of Alumni and Development, which will assume several functions formerly handled by the Division of University Advancement. The new office is located in Jones Alumni House and will report directly to the president.

Dr. Rebecca Bair (right) joined BSU as chief development officer. She served as assistant dean of advancement in the College of Arts and Sciences at State University of New York Stony Brook.



Brenda Molife. This division is explicitly charged with realizing the important fourth goal of BSU's strategic plan of serving as a regional catalyst for economic, cultural and intellectual engagement, according to the president.

President Clark also announced that the Division of University Advancement has been reorganized as the Division of Outreach and Engagement, under the leadership of Vice President

Speaking Up

Anna Grady, '20, once described herself as "shy." After getting involved on campus, particularly in student government, she left that old self behind.

During the last academic year, Anna served as the student representative to BSU's Board of Trustees.

This year, she is representing BSU and its sister state universities as a non-voting student adviser to the state Board of Higher Education, joining a student adviser from the University of Massachusetts system and a voting student board member from the community colleges.



The voting member rotates each year among the public higher education branches.

Anna looks forward to learning about life at the other state universities, advocating for affordable textbooks, and discussing recruiting and retaining students.

FACULTY FOCUS

DR. AEON SKOBLE / PHILOSOPHY

Growing up in Brooklyn, New York, Dr. Aeon Skoble already saw in himself the very things that would lead him to a life in philosophy.

"I was an argumentative child," he said, "but it was always about wanting to get to the bottom of things. So when I discovered that philosophy was about not only how to argue better but also how to understand things, that was just exactly what I was looking for."

As a child, Dr. Skoble was also an avid reader of science fiction. "That makes you think about other possible ways that the world could be. So it opens up different perspectives," he said.

However, when he attended the University of Pennsylvania in the early 1980s, Dr. Skoble filled his schedule with history and political science courses. He even studied Japanese culture. But, in his junior year, he settled on philosophy, thinking he might follow one of the traditional paths for those enrolled in the major and go on to law school.

Ultimately, Dr. Skoble earned a PhD in philosophy from Temple University and moved around to a couple of schools taking non-tenure-track positions. In 2001, Bridgewater State had an opening, and his specialization in political philosophy evidently gave him an edge over the other candidates and helped land him at the institution he's called home ever since.

Dr. Skoble is currently the acting chairperson of the Department of Philosophy, which over the past two decades has seen an appreciable increase in majors.

Meanwhile, he's helped create successful programs, including the philosophy, politics and economics minor, which he co-coordinates with Dr. Jordon Barkalow of the Department of Political Science and Dr. Daniel Lomba of the Department of Economics.

Dr. Skoble is also the point person in his department (along with Dr. Mark Kemper of the Department of Political Science) for students wishing to take their philosophy degree and move on to law school, a popular track these days. Dr. Skoble points out with pride that many recent BSU graduates have proceeded to top law schools across the country.

The Bridgewater resident and father of two is busy outside the classroom, as well. He is the author of two books (the latest, a monograph titled *The Essential Nozick*, will be available next spring), and editor of seven. One of the most popular books he edited was *The Simpsons and Philosophy*.

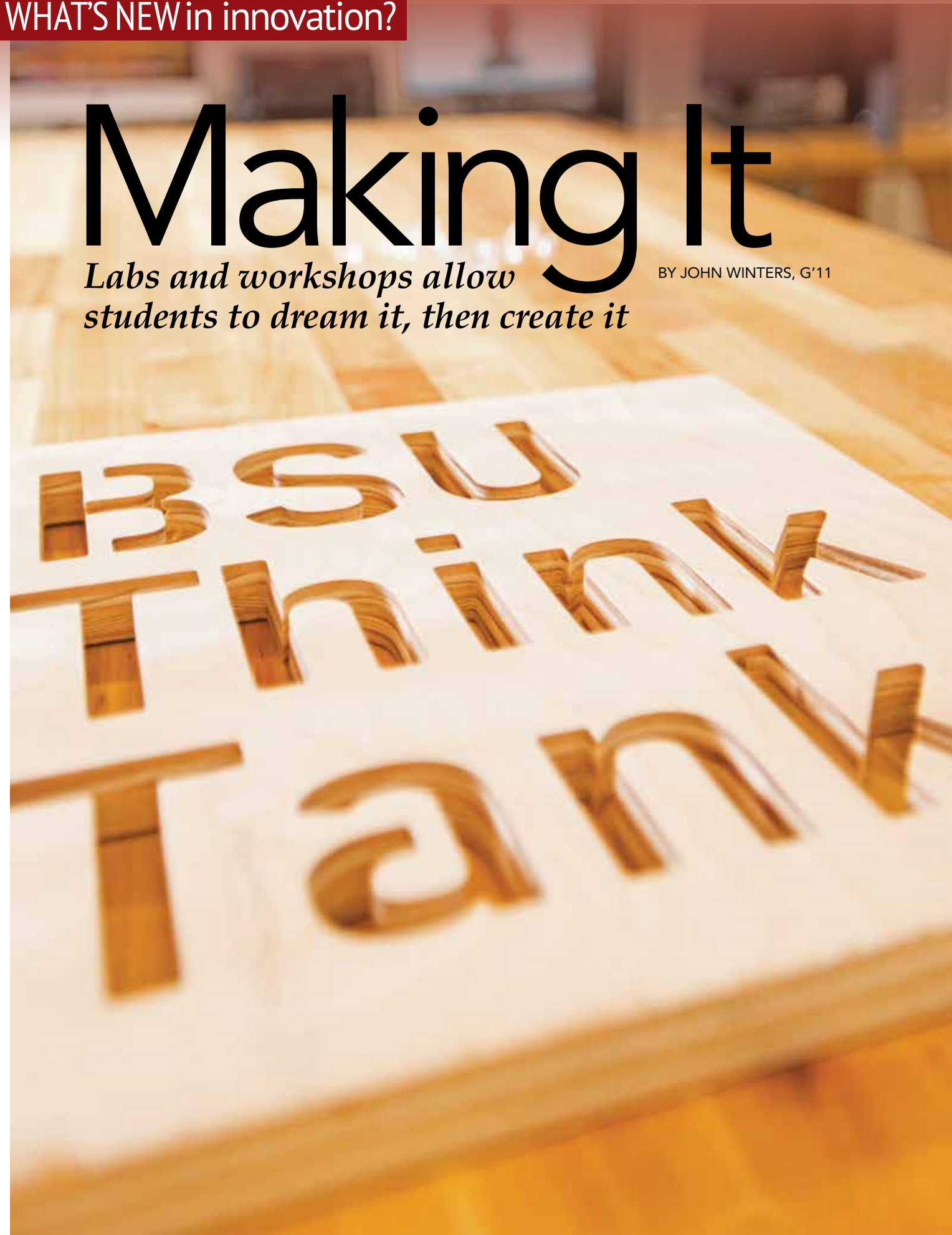


He lectures and writes for the Institute for Humane Studies and the Foundation for Economic Education, and is a senior fellow with the Fraser Institute, where he regularly blogs, often about the nexus of pop culture and philosophy.

"I try to keep regular business hours," Dr. Skoble said. "No matter what my teaching schedule is, I try to come in at eight or nine in the morning and spend the day in the office. If I stayed home, I'd never get anything done."

Dr. Skoble also makes sure to find time to join his department colleagues for a weekly lunch. "I'm really fortunate to be in a department where everyone works together very well," he said.

As for the state of philosophy in higher education these days, Dr. Skoble is optimistic. "I think it's healthy. There's lots of interesting work being done in lots of subfields," he said. "Plenty of new titles still come out every year. I think that there's a perennial interest for students in taking ethics classes. Also, a lot of students today are interested in public policy, the environment, business ethics. People are always interested in moral issues. So there's always a demand for classes that address the issues of ethics and public policy."



Making It

Labs and workshops allow students to dream it, then create it

BY JOHN WINTERS, G'11

THE ROTATING HEAD on the monitor looked like it was slowly melting while simultaneously being swallowed by a plasmatic substance of green and gray.

There's no denying – it looked freaky.

This image wasn't from a student-made film, but a 3-D scanner in the process of capturing the likeness of a BSU student.

Being made virtual on this afternoon were the members of Art Professor Magaly Ponce's Three Dimensional Design course.

"It felt goofy, but it was really cool and interesting to watch the process," Amanda Hebert, '21, a psychology major from Falmouth, said of being scanned. Once the job was done, Amanda, who is minoring in art, could see a close-to-exact replica of her head and shoulders on the monitor mounted on a nearby wall. "It doesn't get more interactive than that," she said.

The students in the class were taking turns being scanned inside room 151 of the Dana Mohler-Faria Science and Mathematics Center, also known as the BSU Think Tank. It's one of a conjoined group of labs that comprise BSU's new Makerspace network.

Creating the 3-D scan involved a roving scanner held a foot or two away by a classmate, while Amanda sat stone-still in a chair, eyes closed. It takes about five minutes to complete the process. Then the information can be edited using specialized software before being transferred to a 3-D printer, and an hour or so later, voila: a mini Amanda that fits in the palm of one's hand.

3-D scanners and printers? Lifelike renderings of real students created in the time it takes to watch a CSI episode? Lab space after lab space featuring tools both old fashioned and cutting edge? Indeed. It's all part of Makerspace, and it's enough to make some older alumni jealous, especially when recalling days spent inside the old Conant Science Building where Bunsen burners and Petri dishes were the order of the day.

"It's engineering, science and art, all intertwined in this idea of hands-on learning," said Susan Savill, a part-time

Lab Workings

Makerspace has tools and technology galore. Here's a sampling...

THE THINK TANK is home to four 3-D printers, a vacuum former, Computer Numerical Control (CNC) machine, embroidery machine, vacuum chamber, circuit board printer, two soldering stations, a 3-D scanner and lots more.

The key value of this space is in its ability to integrate specific resources that enable programmed, curriculum-based learning, as well as facilitate access to more users, particularly early/ novice users in the community.

THE MACHINE SHOP features a CNC plasma cutter, a laser cutter, two milling machines, a lathe, a vertical band saw and other saws.

Students can use the shop for their own projects, and it is also where parts and support items needed for labs located throughout the Science and Mathematics Center can be made.

THE ELECTRONICS AND ROBOTICS LAB features the tools and parts necessary to build working electronics, including robotics kits by Lego.

It's a classroom and research space where students learn to design and build electronic circuits, microcontrollers, robots, drones and related technology.

THE WIND TUNNEL allows students to conduct experiments in meteorology, aviation, physics and engineering when the simulation of wind conditions is necessary.

THE ART SPACE is home to tools and space for welding, sculpting and more.

faculty member in the Department of Physics, who worked with Robert Monteith, the director of the network, and others to develop BSU's Makerspace.

The Think Tank opened its doors in November 2018, funded by a BSU grant for academic innovation secured by Dr. Michael Black and Robert Monteith. Other components of the network were already in place.



New Dimensions

Making a model student step-by-step with 3-D printing
(clockwise from top, left)

- STEP 1:** Rebecca Calixte, '21, captures an image of Sarah Lavoie, '22, with a roving scanner as Kevin Monteith, '20, lab supervisor, looks on.
- STEP 2:** Kevin Monteith shows the students how to edit the scanned image.
- STEP 3:** The 3-D printer begins to create a replica of the scan.
- STEP 4:** A student holds an example of a final 3-D printed creation.

After the Think Tank began operating, it became the hub, and its development inspired the idea that BSU's pre-existing labs and workshops could all work together in support of student makers.

The other spaces are the university's wind tunnel, electronics and robotics lab, academic machine shop and art lab, each overseen by the relevant department.

The creation of Makerspace comes as professors seek to challenge students to solve problems and learn by doing. Meanwhile, interactive labs and workshops are becoming more common in higher education, according to Professor Savill.

Evan Hultstrom, '19, an aviation science major from York, Maine, spent time in the lab creating a container used in flight team competitions. "I thought it was so much fun, just going in there. I was like a kid in a candy shop," he said.

Students have used the Makerspace facilities to create artwork, electronics, models for lab experiments and much more.

Robert Monteith, whose full title is analytical instrumentation engineer, likes watching the reactions of students once they realize all the tools now at their disposal. "I find that for some students it just clicks; you can see their minds start to race as they realize all the possibilities that the space opens up," he said. "Other students have to be guided, because they don't understand what the capabilities are and how they relate to the things they want to accomplish.

"Most people aren't exposed to this kind of equipment, and there's a learning curve," he continued. "But once you open their eyes to what's possible, that's when the magic happens, and their creativity comes out."

A number of faculty members are closely involved with Makerspace, including Professor Savill, Dr. Michael Black and Dr. Martin Grossman, as well as Dr. Jennie Aizenman, director of the Center for the Advancement of STEM Education. There is also a Makerspace board of faculty and administrators who oversee the operations of the labs.



Robert Monteith, analytical instrumentation engineer, stands inside the Academic Machine Shop.



Working in the Think Tank are (from left) Andrea Couto; Joseph Matta, G’20; and Amanda Morrison, G’19.

Makerspace holds an appeal for learners of just about any discipline or skill level, said Dr. Cindy Kane, special assistant to the provost for strategic initiatives, who was integral in making it a reality.

“It’s already shown to be perfect for the novice maker who wants to learn about new technology, a budding entrepreneur who is looking to design a product, or a seasoned, technically minded person working through research or projects for a course,” she said. “The fact that it can all happen in a collaborative space is so exciting.”

When Professor Ponce held her class inside the Think Tank, she was hoping to expose her students to one of the more cutting-edge ways of making art, using 3-D scanners and printers.

“They have the best toys,” she said of the Think Tank. Then she added that it’s not just playing around that’s done in these spaces. “It allows my students to experience a form of 3-D creating and then go back to traditional sculpting.”

In other words, BSU students now have the best of both worlds – the virtual and the hands-on.◆

Helping Hands

Prostheses made at BSU for those in need

BY JOHN WINTERS, G’11

A YOUNG GIRL IN NEW YORK named Brielle (pictured above) has a prosthetic hand that allows her to climb up and down the stairs of her family’s deck, grip the handlebars of her bicycle and do many of the typical things youngsters love doing.

Brielle’s prosthetic hand, instead of costing tens of thousands of dollars, was produced for next to nothing. It was made with a 3-D printer. And it was made at Bridgewater State University’s Think Tank, the hub of the institution’s new Makerspace network of labs and workshops.

“Words can’t express how much this means to us,” said Brielle’s mother, who asked that only her daughter’s first name be used. “Your team did an amazing job, and, without you guys, she wouldn’t be able to do what she is able to do.”

Of all the many amazing things created in BSU’s Makerspace labs, most impressive – and impactful – might be the prosthetic hands and arms for children and adults in need.

Thanks to 3-D printers and open source designs (software whose original source code is freely available to anyone for use or modification), a prosthetic limb that typically costs thousands of dollars can be created for as little as \$50.

“People can’t afford them, especially for kids who outgrow them so quickly,” said senior Kevin Monteith, a computer science major who works at the Think Tank.



He and his brother, Robert, an analytical instrumentation engineer at the Dana Mohler-Faria Science and Mathematics Center who manages the various Makerspace labs, were working with the Bizarbots robotics club at Hollbrook High School when they learned of a nonprofit organization called e-NABLE. Now, thanks to the brothers’ efforts, BSU is part of a large international network of volunteers who use 3-D printers to make free and low-cost prosthetic upper-limb devices.

Amanda Morrison, G’19, also assists the Monteiths with the project.

In addition to Brielle, one other person has been fitted with a 3-D printed prosthesis from BSU’s Makerspace, and as of mid-October, a third one was being prepared for another recipient.

The prostheses are sized by using a photograph of the intended recipient posing next to a ruler. Then, using the open source software, the prosthetic is designed and readied for one of the Think Tank’s 3-D printers.

Kevin said plans call for the incorporation of sensors and motors to make tomorrow’s prostheses even more responsive and lifelike.

He added that projects of this kind are their own reward. “It makes you feel great about the work you do,” he said.

One thing’s for sure, there’s a young girl in New York now able to tool around on her little bicycle and do so much more who is very appreciative for that work.◆

photos above provided by Brielle’s family

Making it at Draper

Amanda Morrison, G'19, is 'building' a dream career

BY JOHN WINTERS, G'11

SOMETIMES IT'S TRUE: Life comes down to being at the right place at the right time.

A corollary to this is the idea of putting oneself out there to take chances and try things that may or may not pay off in the long run.

Amanda Morrison came to Bridgewater State University from Westfield State University with a bachelor's degree in criminal justice and psychology. At BSU, she took a job as student supervisor of the Makerspace. She didn't get to use the lab for her studies, but found her own way of, shall we say, "making it."

"The Makerspace allowed me to make new contacts. One of those contacts was Dean Kristen Porter-Utley, (of the Bartlett College of Science & Mathematics)," Ms. Morrison said. "We discussed what I wanted to do after I graduated, and I explained that I was interested in cybersecurity. The dean then put me in touch with some of her contacts from that field, which ultimately landed me this internship at Draper Laboratories."

As for Dr. Porter-Utley, she called Ms. Morrison "a real star," and predicted great things for her.

The Halifax resident will be an intern through December with the Cambridge technology company's InfoSec team. She helps with real-life cybersecurity issues like threat hunting, vulnerability/risk management, remediation efforts, investigating phishing campaigns and various other threats that can wreak havoc on computer systems.

It's work that Ms. Morrison enjoys, and it may even become a career path for her. "We will have to wait and see what happens," she said. "The folks at Draper know that I want to be there long-term, and if it's meant to be..." ♦



What's Next?

Last year, as part of the Academic Innovation Initiative, the Division of Academic Affairs began a grant program designed to fund exciting and creative ideas to enhance the academic experience at Bridgewater State University.

The second group of projects awarded innovation grants was announced this summer by Dr. Karim Ismaili, provost and vice president for academic affairs, and Dr. Cindy Kane, special assistant to the provost for strategic initiatives.

And the winners are:

Studio BridgeW
Project leaders: Drs. Arthur Lizie and Thomasena Shaw (communication studies)

Studio BridgeW is a state-of-the-art public relations agency and digital media production studio that will promote experiential learning. The project's goals include the establishment of both public relations and digital media production as majors within the Department of Communication Studies; develop plans for Studio BridgeW, a location for these majors that mimics a professional public relations agency and media production studio environment; and position these workforce-development programs for maximum student recruitment, retention and success.

United Nations Sustainable Development Goals
Project leaders: Drs. Ed Brush (chemistry), Inkyoung Kim (political science) and John Kucich (English)

This initiative will bring together a team of faculty to explore ways to use The United Nations Sustainable Development Goals to foster interdisciplinary, problem-based learning at BSU. This includes fostering long-term collaborative research projects to better integrate global experiences and service learning into the curriculum, and the development of an interdisciplinary, team-taught course designed to help students weave together the many strands of their learning as they tackle some of the many challenges facing humankind in the 21st century.

Becoming a Biologist: A New Model for a Student-Centered Curricular Experience
Project leaders: Drs. Heather Marella and Caitlin Fisher-Reid (biology)

The grant will be used to develop a new biology core course, Becoming a Biologist, and an accompanying handbook for biology majors. The course will be specifically designed to bring all new biology majors up to speed on basic laboratory skills, faculty research interests, career paths for biologists and major requirements, and to improve retention of new biology majors. It will also standardize the biology major experience for all BSU students.

Certificate in Youth Services
Project leaders: Drs. Jon Cash (special education) and Sarah Thomas (secondary education and professional programs)

The undergraduate Certificate in Youth Services will be designed for those who wish to work with students facing socioeconomic, environmental or developmental challenges in schools, social systems and nonprofit organizations. In addition, the program will provide current BSU students with field experiences in high-need areas. The certificate will offer courses and experiences that intersect with these populations. In addition to developing an introductory course through the Departments of Special Education and Secondary Education, a second-year seminar will enable BSU students to complete community-engaged projects in partnership with COACHING4CHANGE, a nonprofit organization dedicated to implementing teacher-led school improvement initiatives to support struggling students while creating a more diverse pool of future educators. This unique arrangement will also provide BSU students with work-study opportunities that emphasize the principles and concepts of mentoring.

Powering the Future

More than \$2 million in grant money helps place BSU at the forefront of burgeoning photonics field

BY JOHN WINTERS, G'11

ALIGNING A LASER CAN BE TRICKY. Just ask the handful of physics majors who spend large chunks of time in a second-floor laboratory inside the Dana Mohler-Faria Science and Mathematics Center.

Actually, for them, working with lasers, as well as atoms, electrons and photons, is – if not child's play – pretty much routine.

All the same, gaining experience in these rarified matters will likely lead these students to top graduate schools or careers with well-known engineering firms.

"It's an insane opportunity," said Jonathan Trzcinski, '21, of Randolph. The physics and mathematics major feels he's getting a jump-start on his career. "At any other school, we wouldn't be able to do this kind of work until we were graduate students."

The laser the students were working on involves a series of small mirrors, a couple of monitors and a gas-filled chamber, spread out on a long, rectangular lab table. As the excited students make adjustments and watch the monitors, bandied about are phrases such as "quantum computing" and "laser coding." Any visitor to the lab would be impressed by the authority with which these young scientists speak. It's clear they've done their homework and logged lots of hours in the lab. "I feel it makes us very promising candidates for graduate school

or a top job in the industry," said John Gilmore, '20, a physics and computer science major from Franklin.

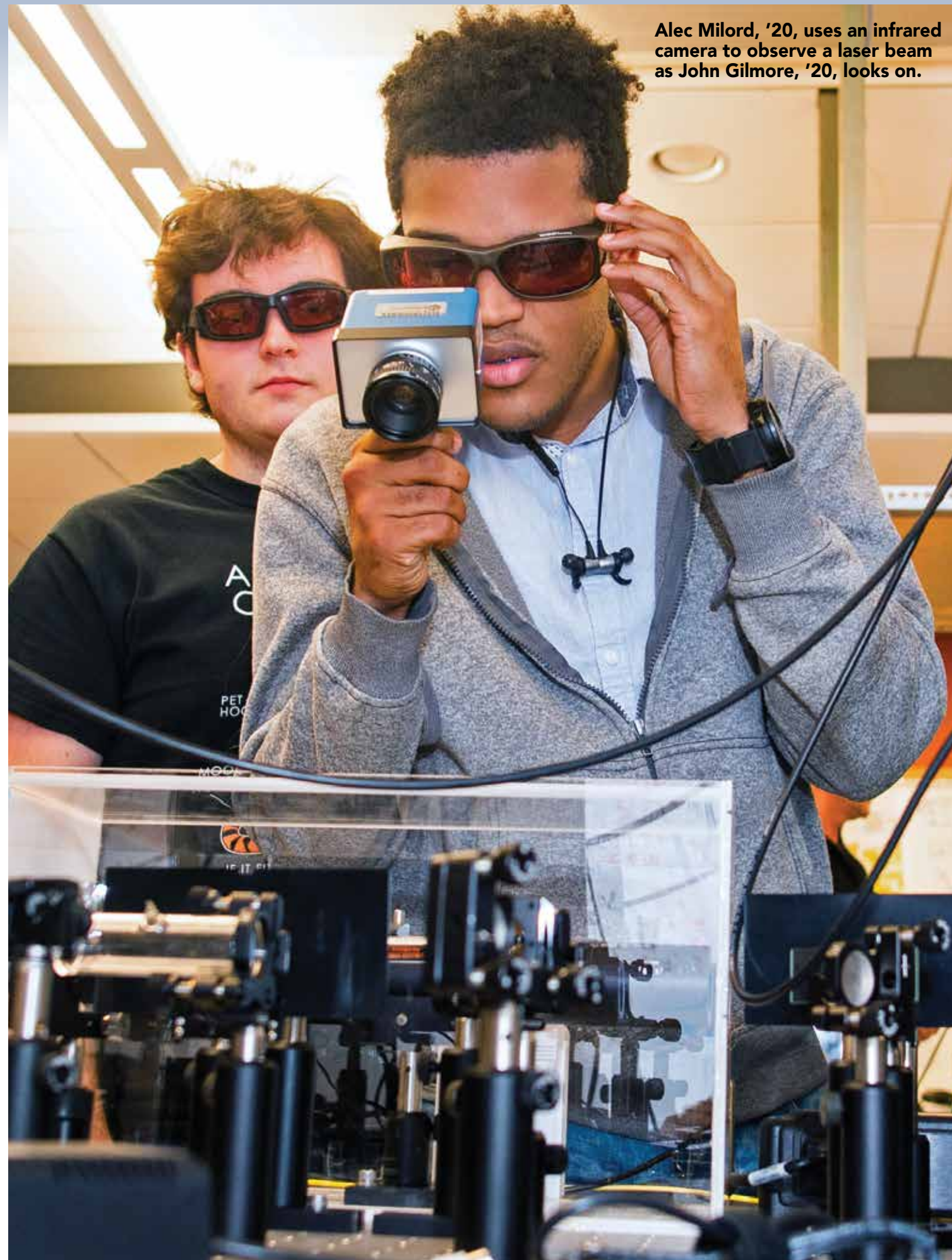
Bridgewater State University has recently received more than \$2 million in grant money to help foster the creation of a photonics-based industry in the commonwealth. The university is one of a handful of schools in the state selected to lead this expected revolution. The others are Massachusetts Institute of Technology, Worcester Polytechnic Institute and Stonehill College.

Such a distinction brings a smile to Dr. Kristen Porter-Utley, dean of the Bartlett College of Science & Mathematics. "It shows we're responding to workforce needs in the area, as well as those of our students," she said. "Meanwhile, we're building on the strength that has existed at Bridgewater for a long time now. We're ahead of the curve, and we're excited about that."

Optics is a branch of physics relating to the study, creation, detection and manipulation of light in order to reveal nature from the quantum level to the structure and makeup of the cosmos. Optical engineers use light for applied applications stretching across entire industries, including information technology, metrology, medicine and telecommunication.

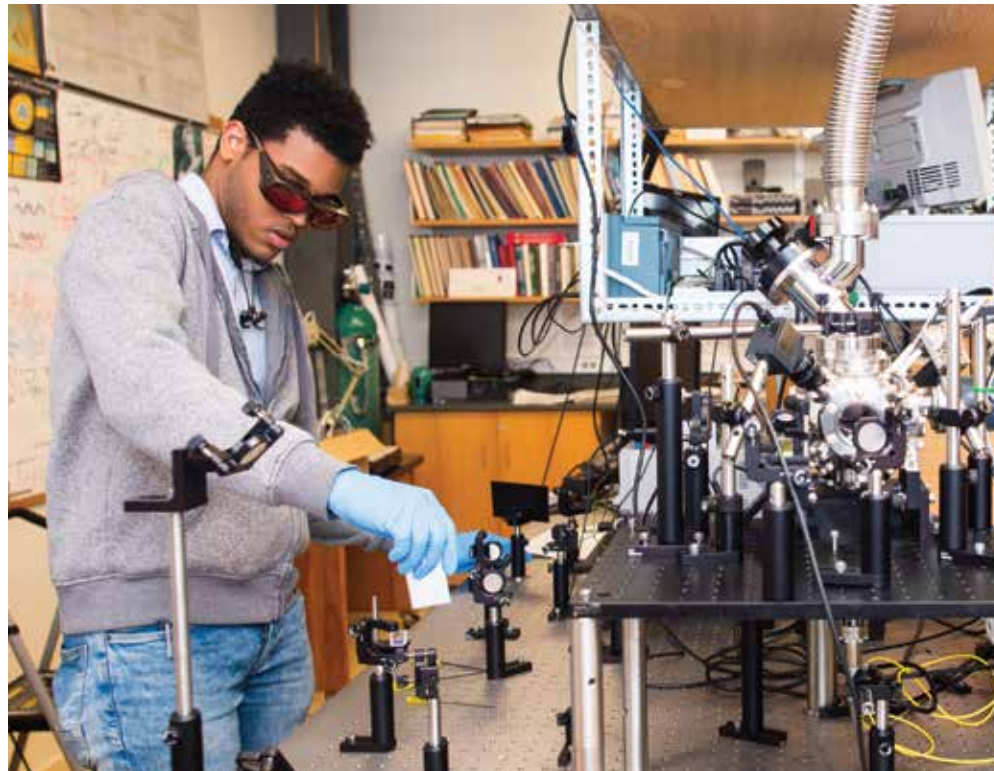
In the growing field of photonics, the electrons at the heart of today's electronics are replaced by quanta of

Alec Milord, '20, uses an infrared camera to observe a laser beam as John Gilmore, '20, looks on.





Jonathan Trzcinski, '21, adjusts the laser as John Gilmore, '20, and Alec Milord, '20, watch.



Alec Milord, '20, aligns a laser beam.



Brahmin Thurber-Carbone, '21, and John Gilmore, '20, view a laser beam.

light called photons, promising increased bandwidth and lower power consumption. This has led to the field being hailed as a critical economic and industrial growth area at both the state and federal levels.

The workhorse of optics is the laser. Today, lasers are ubiquitous, found in everything from supermarket scanners to the most precise surgical tools. But at BSU, principle investigator of the recent grants, Dr. Ed Deveney, professor of physics, and his students have been developing and using lasers to cool and trap atoms for quantum studies.

The program's growth over the past two decades attracted Dr. Thaya Paramanathan, who, along with his students, uses lasers to trap and hold onto DNA for cancer and cellular research. More recently, the Department of Physics has brought onboard two of the brightest new faculty members in the field of photonics, Dr. Samuel Serna and Dr. Elif Demirbas.

All this has paved the way for the recent influx of grant money, as well as the first of its kind (once approved) engineering programs at BSU suggested by Dr. Deveney with Dr. Thomas Kling, who is a co-primary investigator on the grants.

LONG TIME COMING

Dr. Deveney was keeping an eye on the clock. It was a warm morning in late August, and he was expecting a representative from a local company eager to learn about what's going on in his laboratory – specifically, the work in photonics and optics.

These visits are something that's happening more and more these days. Earlier in the year, Draper Laboratory spent a day on campus talking to upperclassmen about job opportunities at the blue-chip engineering firm located in Cambridge. Already, a BSU graduate is working at Draper and another is an intern.

There's good reason that an increasing number of area employers are hot to hire future BSU alumni. Specifically appealing are physics majors who've spent time working in one of the university's five labs where in recent years an increasing focus has been on cutting-edge technologies.

"Massachusetts is rife with jobs in these fields," said Dr. Deveney. "Our students have started getting jobs. Not just jobs, but exciting jobs."

These jobs are part of what Dr. Deveney likes to call the Massachusetts light-based economy. Still a nascent industry, optics has attracted the attention and funding of both federal and state governments. The grants earned through BSU's efforts include one for \$770,000 to train technical workers in the field of photonics, and another for \$1.4 million, that will fund capital purchases, ensuring BSU's physics labs have the most up-to-date equipment.

To help meet the needs of growing fields such as optics, biophysics and various types of engineering, the Bartlett College of Science & Mathematics has introduced a minor and a concentration in optics. Next year, an undergraduate degree program in optical engineering is expected to begin, pending approval by the Massachusetts Board of Higher Education. It will include a 15-month, 30-credit certification program with apprenticeships at area tech companies.

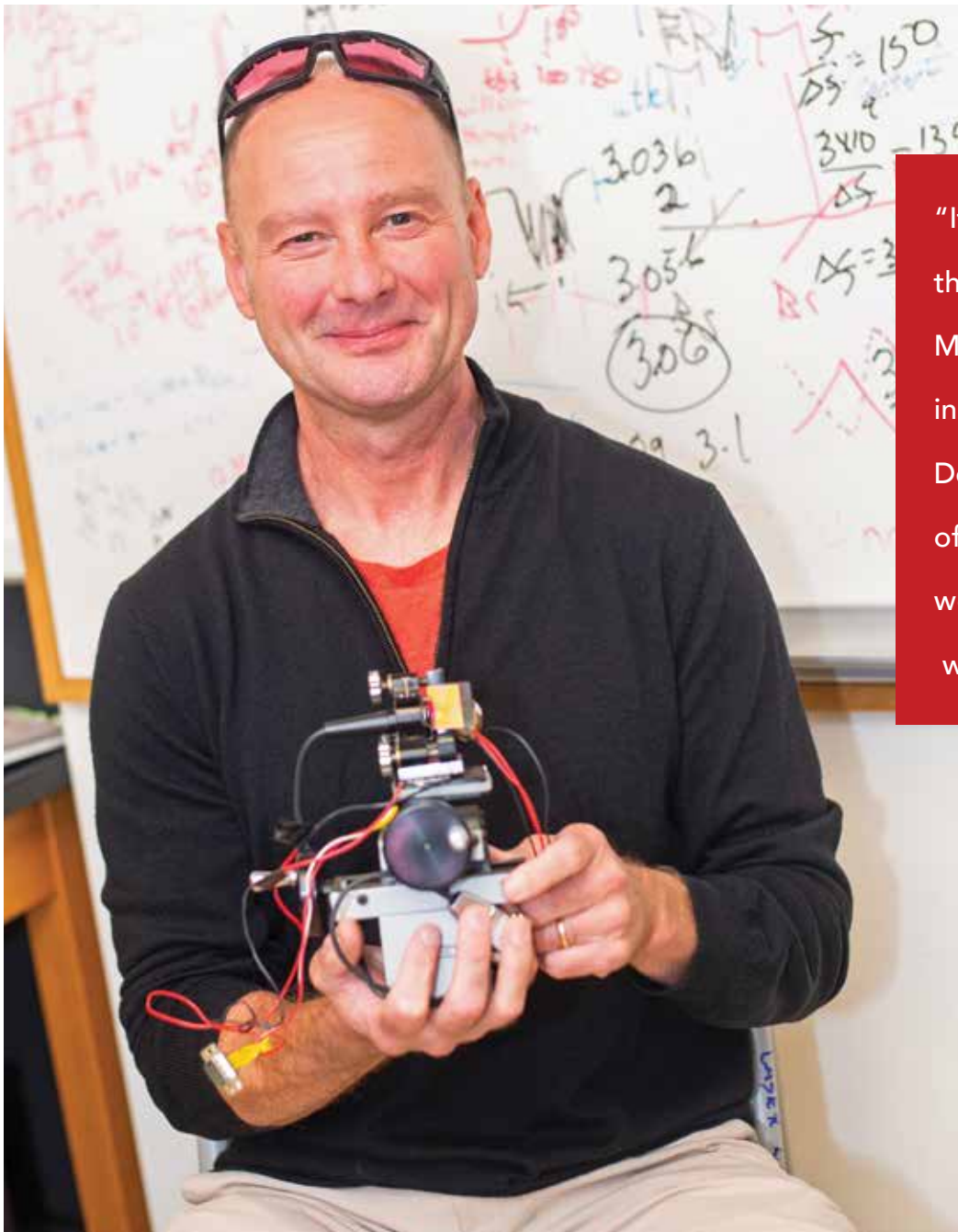
Once approved, BSU's optics offerings will be the first engineering program available in the state university system – other than Massachusetts Maritime Academy's energy systems and marine engineering programs.

The move toward engineering-type programs did not happen overnight. The seeds can be found in a copy of the faculty publication, *Bridgewater Review*, penned by Dr. Deveney in 2000, when he was a bushy-haired, relative newcomer to what was then Bridgewater State College. In those pages, he advocated for an approach he saw work at Amherst College, where he'd previously taught.

"The idea was it's not just about the classroom experience," he said, "but what students are doing and how they define themselves outside the class."

Laboratory experiments, fieldwork and hands-on experience were the watchwords of this new approach. The philosophy aligned well with developments happening across campus at the time, with the increased focus on undergraduate research and other initiatives. "There was a critical mass happening back then throughout the college," Dr. Deveney said.

The approach, as well as the increased use of lasers and other high-tech instruments, necessitated additional lab space. Eventually, this helped lead to the building of the Dana Mohler-Faria Science and Mathematics Center.



"It's exciting to be part of this revolution and exciting Massachusetts can be a leader in this industry," says Dr. Ed Deveney of the emerging field of photonics. "We need a workforce, and our students will be this workforce."

This provided five new labs for physics alone. Two new labs dedicated to photonics and optics will soon be available.

Dr. Deveney is especially proud to recount that the cutting-edge devices that propelled BSU to its place as a burgeoning leader in optics and photonics were all built by students. Among those devices are an external cavity tunable diode laser, optical tweezers (which can isolate DNA molecules) and the most recent laser used in photonics-related experiments.

President Frederick W. Clark Jr. recently cited the work of the Department of Physics in making BSU "a state and

national leader in the exciting field of photonics and optical engineering."

He went on to say, "The new program will prepare students to contribute to significant advances in areas like telecommunications, data communications, laser-based radar and sensing."

Taking a break from aligning the lasers in Dr. Deveney's lab, Jonathan Trzcinski tried to put into words the feeling he gets from working with atomic particles and pondering the deeper mysteries of quantum physics. "It's incredibly interesting," he said. "What we're doing is studying the very foundations of the universe." ♦



Leading Light

MIT summer internship opens door for physics and math major BY BRIAN BENSON

BRAHMIN THURBER-CARBONE, '21, is only halfway through his Bridgewater State University undergraduate education, but he can check one item off the scientific bucket list that many never accomplish: spending a summer conducting research at the Massachusetts Institute of Technology.

"It's crazy to be going to a small school and getting an internship at MIT. There are millions of people who want to come here and do research," said Brahmin, who was recommended by Dr. Ed Deveney, a professor in BSU's Department of Physics, as a result of Brahmin's work in the university's laser cooling and trapping lab.

Brahmin interned at MIT's Department of Materials Science and Engineering, and worked with researchers such as Dr. Samuel Serna, a former postdoctoral associate at MIT and now an assistant professor of physics at Bridgewater State University.

One project involved testing chips like those BSU students will use in new photonics and optics programs in the Department of Physics. Brahmin's internship comes as the department collaborates with MIT, Stonehill College, Worcester Polytechnic Institute and other organizations to prepare future graduates to work in the emerging photonics field.

Brahmin tested chips for use in classrooms and learned to use microscopes and other specialized equipment similar to what will be available at BSU. The chips include components used in telecom and datacom applications.

"The chip is developed for education," said Dr. Anu Agarwal, principal research scientist in MIT's Materials Research Lab. "All the components are very standard components to build photonics circuits."

As Brahmin worked on the chips, he gained valuable skills that will serve him well in the future. His internship helped build strong ties between the two universities and prepared him for more advanced research.

"That was an amazing opportunity," said Dr. Serna, who is now one of Brahmin's professors at BSU. "It links everything together."

The internship, funded by BSU's Bartlett Fellowship Program, shaped Brahmin's future, thanks to mentoring from graduate students and researchers with whom he worked. "It's been excellent," he said. "The reason I was going to do summer research was I wanted to see what it would be like in grad school."

The verdict?

"I've decided I'm going to try to get a PhD in physics," he said. ♦

Healthy Choices

New majors and programs prepare students for health career opportunities

BY JOHN WINTERS, G'11

OPPORTUNITIES AT BSU have expanded for students interested in the ever-growing fields of health and health care.

The Department of Movement Arts, Health Promotion and Leisure Studies (MAHPLS) offers several degree programs to prepare students to further their postbaccalaureate-level education in health professions, such as pre-athletic

training, pre-physical therapy and pre-occupational therapy. Graduate students also have a wider selection of programs.

The increased offerings are part of the reason the name of the College of Education and Allied Studies has been changed to the College of Education and Health Sciences.

Dr. Tong-Ching “Tom” Wu, associate professor and chairperson of MAHPLS, said that despite the changes, the mission remains the same – providing much-needed options for today’s students and critical services to the region. “The goal is to prepare and educate our students in athletic training, health, human performance, physical education, nutrition, recreation and coaching,” he said.

The changes should also benefit residents of Southeastern Massachusetts, Dr. Wu said. “This is all about educating and improving the quality of life of others.”

Graduates of these health programs might further their education in professional or graduate schools, and pursue careers as public health professionals, nutritionists, epidemiologists, scientists/researchers or first responders, as well as dozens more options.

Changes have also been made to BSU’s popular athletic training program. The master’s degree in the discipline is now the entry-level degree in the field. This is partly due to a decision by the Commission on Accreditation of Athletic Training Education.

The added health science program disciplines are in step with the growing health field, which is dealing with an aging Baby Boomer population. “I think there will be an increase in demand for health professions,” Dr. Wu said. ♦

Tsung-Lin (Johnny) Lu, G’19, (left) of Taiwan, who completed his graduate thesis in bowling, conducts research in a MAHPLS lab.

An undergraduate student studying biomechanics (facing page, center) uses an iPhone with the app CoachMyVideo to conduct 2-D angular kinematic analysis on the skill of cartwheeling.

MAHPLS students (facing page, bottom) use equipment in the Adrian Tinsley Center as part of their program.



“Our students value the importance of health; whether they become physical education teachers, physical activity leaders, athletic trainers, personal coaches or strength and conditioning coaches, they want to improve the health, fitness, performance and quality of life of others.”
Dr. Tom Wu, associate professor and chairperson of MAHPLS



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Teaching the World

Certificate in TESOL (Teaching English to Speakers of Other Languages) opens doors for tomorrow's educators

BY JOHN WINTERS, G'11

About the TESOL Certificate Program
The program consists of four undergraduate courses offered online, on campus and through an accelerated 10-week summer program.

Who is eligible?

- ◆BSU undergraduates from any academic discipline at any stage in their degree program
- ◆Individuals with a high school diploma or any college credits
- ◆International students earning a degree at a university in their country or anyone who lives outside the United States and wants to earn the certificate online
- ◆International students from partner universities who come to BSU for one or two semesters as exchange students

Learn more at www.bridgew.edu/ccs/TESOL

CYNDI CRAM, '19, HAS BEEN GAINING the credentials and experience necessary for her dream career of becoming a certified speech-language pathologist working with students from linguistically and culturally diverse backgrounds.

She happened to be at Bridgewater State University at the right time. Last fall saw the roll out of a TESOL certificate program, and Cyndi was a member of one of the first cohorts. "I knew I wanted to continue learning in this field," the Mansfield resident said.

In May, she graduated with a bachelor's degree in communications sciences and disorders, and also completed the TESOL certificate program. "I love working with English-language learners and hope this experience will teach me more about the field," she said.

Cyndi is enrolled in BSU's master's degree program in speech-language pathology and is a graduate assistant for second language services.

"I love working with English-language learners and hope this experience will teach me more about the field."
Cyndi Cram, '19, candidate for master's degree in speech-language pathology, graduate assistant for second language services

TESOL stands for "Teaching English to Speakers of Other Languages." The university saw a growing need for a certificate program that provides students with the education and credentials necessary to teach English-language learners in the United States and abroad.

Designed for undergraduate students from any discipline, cultural and/or linguistic background, the four-course certificate program delivers a mix of theory, methodology



"These courses allowed me to see another side of the linguistic world. They exposed me to seeing both the similarities and differences between the languages."
Molly McNamara, '20, early childhood education and Spanish major, special education minor

and classroom strategies. Linguistics and cultural issues are also covered in the program.

The certificate is offered through a partnership between BSU's College of Continuing Studies and newly created TESOL Department.

"There is so much to the teaching of English; it's not just teaching vocabulary. And that's what we try to introduce to our students," said Dr. Alexandra Balconi (Dema) (facing page, center), assistant professor in the Department of Special Education and the TESOL certificate coordinator, who developed the certificate program. "Cultural competence is important, as well. These students need to understand intercultural issues and how to address and explore them."

The program is open to anyone with a high school diploma interested in obtaining TESOL certification to teach English in the United States and/or abroad. It is



also available online to international students in their own countries, as well as to other individuals living outside the United States. International exchange students at BSU from partner universities may also enroll.

It's a flexible program, with online courses, summer intensive sessions and more. There is a lot of interaction, whether the program is taken online or in person. Students benefit from online sessions, group meetings and by delivering required presentations, all via video chat software such as Skype. Fieldwork is also required, including teaching a mini lesson before a class at a local school.

Molly McNamara, '20, from Hull, earned her TESOL certificate in the spring. She believes the skills and strategies she learned will come in handy next semester when she's a student teacher. "These courses allowed me to see another side of the linguistic world," said the early childhood education and Spanish major, who is minoring in special education. "They exposed me to seeing both the similarities and differences between the languages."

Molly's TESOL certificate program experience will likewise stay with her throughout her career. "I hope to become a teacher who is able to provide proper support for English-language learners," she said.◆

Talking Therapy

New program helps those with Parkinson's disease regain their voices and confidence

BY JOHN WINTERS, G'11

DANIEL MEDEIROS sometimes has trouble being heard. A year ago, his weak voice was one in a gathering cloud of symptoms that eventually led him to visit his doctor, where, ultimately, the 72-year-old Freetown resident was diagnosed with Parkinson's disease.

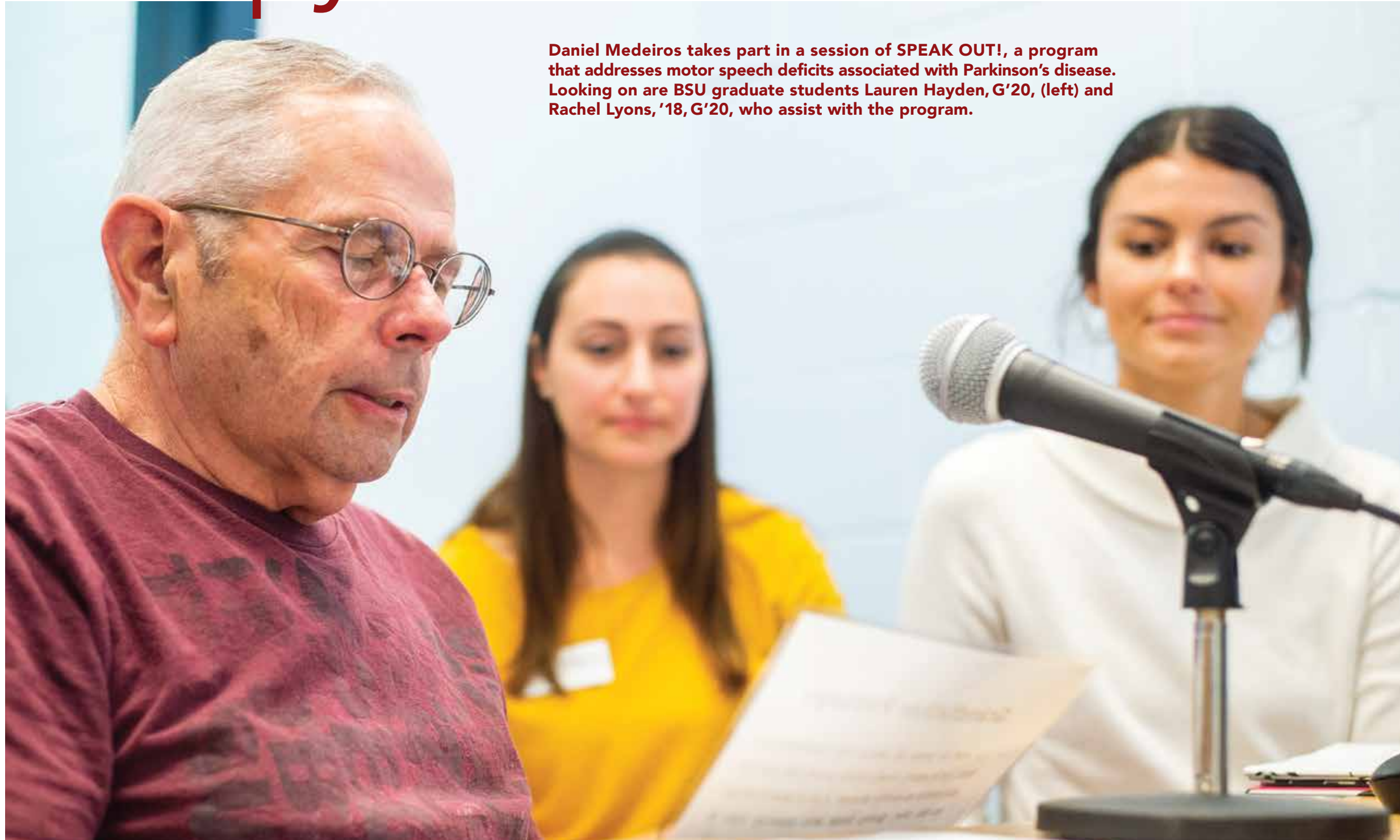
This year, on a late summer morning, he found himself, accompanied by his wife Norma (Class of 1977), sitting in a room inside BSU's Speech Language and Literacy Center speaking into a microphone, while in an adjoining room, a clinician observed. Mr. Medeiros is one of the first individuals taking part in SPEAK OUT! and LOUD Crowd training, which together comprise a new therapeutic approach for Parkinson's disease. This was part of his evaluation.

"It's nice to have a program like this here," Mr. Medeiros said. "I don't have to take the train into Boston or Providence. It's very convenient."

In fact, the program at BSU represents such a cutting-edge development in the treatment of Parkinson's disease, it's not even fully available in those nearby big cities.

SPEAK OUT! and LOUD Crowd training were developed by Texas-based nonprofit Parkinson Voice Project. And, thanks to grant funding from the organization, it's provided free at BSU to those with Parkinson's in Southeastern Massachusetts and beyond.

Daniel Medeiros takes part in a session of SPEAK OUT!, a program that addresses motor speech deficits associated with Parkinson's disease. Looking on are BSU graduate students Lauren Hayden, G'20, (left) and Rachel Lyons, '18, G'20, who assist with the program.





Amy E. Porter Wareham, a clinical educator with the Speech Language and Literacy Center, records Daniel Medeiros' baseline speaking ability.

Parkinson's Disease and Speech Disorders

Ninety percent of people with Parkinson's disease are at risk of developing a weak voice that can lead to serious speech and swallowing difficulties.

Speaking and swallowing are highly automatic behaviors. When we speak, we don't think about taking air into our lungs, contracting our diaphragm, or moving our vocal folds, tongue or lips; it all happens automatically. It's the same for swallowing; it's an automatic behavior.

Dopamine facilitates automatic movements. However, in Parkinson's, there is a considerable loss of dopamine. With less dopamine, automatic movements are disrupted, which can contribute to speech and swallowing difficulties.

Early symptoms of a speech disorder associated with Parkinson's disease:

- ◆ Reduced volume
- ◆ Hoarse-sounding vocal quality
- ◆ Frequent throat clearing
- ◆ Trailing off at the end of sentences
- ◆ Some days the voice sounds normal; other days it doesn't

Information above from Parkinson Voice Project, www.parkinsonvoiceproject.org

"We hope to become a resource to the community," said Amy E. Porter Wareham, a clinical educator with the Speech Language and Literacy Center, who was integral to bringing the training to campus. Joanne L. Abdallah, clinical director and instructor, and Victoria Littman, clinical supervisor and instructor, also help administer the program.

The Mayo Clinic defines Parkinson's disease as a progressive nervous system disorder that affects movement, speech and facial expression. It typically begins with tremors, stiffness and the general slowing of movement. There is no cure, but some medications have been shown to reduce symptoms, and some patients undergo surgery. Various forms of therapy have also been found effective.

"It's a sneaky disease," Ms. Porter Wareham said, noting how Parkinson's can rob patients of their personalities, as well as the way they view themselves. "It's not only

a disease that impacts just how your muscles function, but also how well one is able to monitor how you are performing," she said.

It can be especially tricky when it comes to symptoms related to speech. The upshot is that many of those with Parkinson's may think they're speaking loudly enough when they aren't. Verbalizing is key to socialization and many of life's joys. "If it takes away your voice, it makes it hard to fully take part in life," Ms. Porter Wareham said. She added that SPEAK OUT! and the LOUD Crowd not only help improve the ability to communicate, but also provide a renewed sense of confidence.

According to the Parkinson Voice Project, the first phase of the program, SPEAK OUT!, addresses motor speech deficits associated with the disease through a combination of speech, voice and cognitive exercises. BSU graduate students and staff members at the center assist with the

participants, who are provided with a workbook that helps them continue the exercises at home.

The second part of the program, LOUD Crowd, brings together participants in group therapy sessions in a newly renovated space inside Burnell Hall. Ms. Porter Wareham said this aspect of the program helps the center remain in contact with participants to continue assisting them. The weekly group sessions allow them to perform exercises together and practice what has become a mantra around the center – speaking with intent.

There's even a music program, known as Sing Out, where participants are encouraged, when they are ready, to sing together.

BSU students also benefit from the program. A host of graduate students, including Lauren Hayden, G'20, of Seekonk, and Rachel Lyons, '18, G'20, of Weymouth,

will gain hands-on experience working with SPEAK OUT! and LOUD Crowd participants. "I think it's very exciting to be part of a new program and to be able to deliver services that aren't available elsewhere," Rachel said. "It's such a great experience for us."

For Lauren, assisting with the program teaches her the skills to service a specialized adult population that she has not worked with before. "It's really going to push us to be better clinicians," she said.

As for Daniel and Norma Medeiros, they're happy to be on the leading edge of Parkinson's disease treatment, especially at BSU. "We're just grateful we can get help for him so close to home and where it's free," Ms. Medeiros said. "It really helps us."◆

Visit www.bridgew.edu/speak-out-loud-crowd to learn more about the program.

Class Acts

Senior College proves a hit with region's 'lifelong learners'

BY JOHN WINTERS, G'11

THERE WAS A BUZZ on a Monday morning in early September as students milled about outside their classroom waiting for the doors to open.

These eager learners weren't first-year students who had only months earlier graduated from high school. Rather, they were area residents who'd most likely already raised families and had careers, and now had turned up in droves for BSU Senior College.

Launched in conjunction with the fall semester with eight courses, the program boasts "lifelong learning for mature adults."

One of those adults, Janice Marsan of Easton, was on hand for "What Are Rights? A Historical Look at the Origins of Constitutional Rights and Philosophical Theories," a course taught by Dr. Aeon Skoble, a longtime member of the Department of Philosophy. Ms. Marsan's husband,

John, who recently retired, searched the internet for adult-learning opportunities and up came BSU's latest outreach initiative.

"I like history and the arts, and I'm a lifelong learner," Ms. Marsan said about why the program appealed to her. She and her husband had previously participated in similar classes at Wheaton College in Norton, as well as in several book clubs.

As the lower level of the Bridgewater Public Library, where Senior College classes are held, began to fill up, it became clear that the new program is already a hit. "We were pleasantly surprised by the level of interest," said Jennifer Reid, director of continuing studies, who oversees the Cape Cod campus as well as BSU Senior College. "I think people want to learn and want to have a learning experience that is challenging, rigorous and topical."

FALL 2019 SENIOR COLLEGE COURSES

- ◆ Community Engagement at the Local Government Level
- ◆ What are Rights? A Historical Look at the Origins of Constitutional Rights and Philosophical Theories
- ◆ Debunking Common Nutrition Myths: How to Implement Effective Eating Strategies for Good Health
- ◆ Living on Purpose: Building and Maintaining Meaningful Relationships When Work Ends
- ◆ A Panoramic View of the United States in the 1960s
- ◆ Election 2020: The Issues That Will Drive the Campaign
- ◆ A History of Bridgewater Over 350 Years: How Did We Get to Where We are Today?
- ◆ Overload: Making Meaning in a Mass Media World

For more information about the program, visit www.bridgew.edu/ccs/seniorcollege



Nick Pirelli, '06, G'09, an instructor in BSU's Department of Communication Studies, talks with one of his Senior College students, Ann Aucello of Bridgewater.

More than 100 people have signed up for Senior College's initial offerings. Each 80-minute, weekly class is held on either a Monday or Wednesday for six weeks. No credits are awarded for the courses, nor are papers or exams required, but make no mistake, real BSU faculty teach the classes and adhere to the high standards associated with the university.

Learning can be more than just acquiring knowledge. Among older adults, remaining intellectually active can contribute to greater health, well-being and happiness.

However, learning opportunities aren't always easy to come by. Higher education has, after all, traditionally been the realm of the young. Longer life spans mean programs like BSU Senior College are all the more necessary, Ms. Reid said. "Our intention is to create a dynamic university program that will improve active aging, which involves cognitive, emotional, intellectual and social factors for all seniors in our service region," she said. "The Senior College will offer a great socialization opportunity for curious seniors who may attend just to find themselves surrounded by people with similar interests, while becoming more engaged in what BSU has to offer and learn more about the rigorous, interesting and informative work of our faculty."

You need not convince Nick Pirelli, '06, G'09, of this. As the instructor for one of the initial offerings, "Community

Engagement at the Local Government Level," he saw firsthand how enthusiastic the participants were. "It was fantastic," he said, as he emerged from his first class. "They're super engaged."

In fact, there was so much engagement, his class ran several minutes longer than scheduled.

Mr. Pirelli has directed his students to devise community projects and deliver two-minute presentations about their topics. Meanwhile, the first class focused on demographic changes and their economic impacts, the funding of senior centers and councils on aging, and much more.

"They bring a lot of life experience to bear," Mr. Pirelli said of his Senior College students. "The largest population is 65-plus; we need to be sure we're servicing them. This is a great way to do that."

Howard Hayward of West Bridgewater is attending Mr. Pirelli's class, and said he inherited from his parents a love of culture, a desire for civic involvement and the yen to make learning a lifelong pursuit. He thinks programs like Senior College fill an important role. "A lot of seniors kind of get lost and don't have the resources to keep busy," he said. "This is a good program for lifelong learners."

Senior College has a lot of folks excited, perhaps no one more than instructor Pirelli. "I can't wait until next week," he said.◆



Her Too

*Professor Michele Meek’s work
seizes the moment*

BY JOHN WINTERS, G’11

SEVERAL YEARS AGO while working on a film with a group of fellow Emerson College students, Michele Meek had an epiphany of sorts.

She wanted to direct.

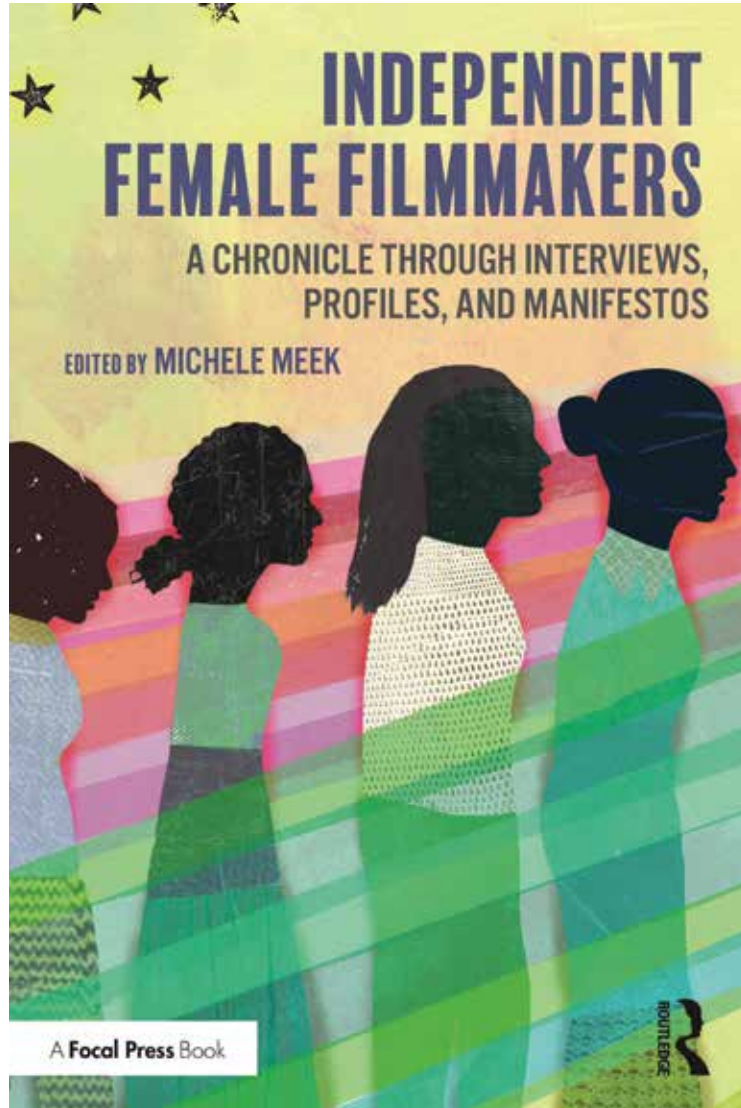
“I realized I wanted to be involved with the whole process,” the assistant professor of communication studies said.

Since then she has directed five short films and has a feature documentary in the planning stages. And that’s not all. The Providence native, who was raised in New York City, also founded a popular website dedicated to independent filmmakers and edited a recent collection of essays that has struck a chord in the #MeToo era.

While Dr. Meek’s work is varied, her feminist *cri de coeur* resounds throughout. “If we really care about equality in the film industry, then we need to put our money where our mouths are,” she said. “That means sometimes going out of our way to discover past films by women and people of color, and not just making room for us to make films now.”

She entered Emerson College as a poet but emerged with a Master of Fine Arts degree specializing in screenwriting. While earning her MFA, Dr. Meek took courses in fiction and poetry and made student films. Ultimately, she opted for a life in cinema.

It was during her time at Emerson that she thought about starting a film magazine devoted to the careers of independent filmmakers. Lacking the necessary capital for a print publication, Dr. Meek turned to the web, and founded NewEnglandFilm.com, which continues to chart the



careers of both the established and the up-and-coming, as well as feature the latest industry news.

Somehow, she also found time in those days to do some teaching. “I was always teaching, including adult classes and workshops,” she said. “It’s just something I love to do.”

This led to her enrolling in a PhD program at the University of Rhode Island. In fall 2017, she joined the faculty

of Bridgewater State University, teaching primarily film and digital media-related courses. She's happy to be teaching students about the things she cares about.

"The thing I like about working in academia is that I have a lot of passions, and teaching allows me to pursue them," she said. "That's very satisfying."

Some of those projects have recently come to fruition, including her work with the indie film magazine, *The Independent*, where Dr. Meek collaborated with others to form a nonprofit organization to save the archives of the storied publication. This led to her interviewing some of the female filmmakers that had been featured in the pages of *The Independent* and bringing their stories up to date.

From that sprang the book *Independent Female Filmmakers: A Chronicle Through Interviews, Profiles, and Manifestos*, which was edited by Dr. Meek, who also contributed two of the 15 interviews.

Though the project was begun long before anyone had heard of #MeToo, its publication in January 2019 was fortuitous, to say the least. In some ways, Dr. Meek's work was nothing less than prescient: Over the past year, women from Hollywood to Main Street have refused to stay silent in the face of harassment and inequality. Therefore, it's no surprise that Dr. Meek and the book have been featured in the media, including on podcasts and an interview in *Ms. Magazine*. *Feminist Media Studies* and *MovieMaker Magazine* reviewed *Independent Female Filmmakers*, and Dr. Meek wrote several op-eds concerning the book's focus.

A trip to Berlin a few years ago resulted in her most recent film, the documentary *Imagine Kolle 37*, which was screened internationally at museums, festivals and schools. The film is about the idea of play, specifically "adventure playgrounds" in Berlin, where children can access axes and saws and climb three-story structures – and parents are not allowed. Safe to say, it's not like anything one finds in the United States. "I'm really interested in cultural distinctions," she said.

The film also had experimental elements, such as an animated sequence that arises out of the blue. It reflects a growing interest of Dr. Meek. "I like non-traditional



The promotional poster for *Imagine Kolle 37*, directed and co-produced by Dr. Michele Meek

documentaries," she said. "I'm interested in pushing the boundaries of form. I've become more interested in work that doesn't follow the same patterns. I'm interested in work that almost seems jarring."

Dr. Meek is back in Providence now, where she lives with her husband, Geoff, and their two daughters.

Professionally, she not only teaches tomorrow's filmmakers and communicators at BSU, but also provides them with a real-life example of what it means to be a working creator. Her message is all about finding and following one's passion. "For people that are making creative work, you almost have to be compelled to do it," Dr. Meek said. "It's certainly not the easiest, most lucrative career path. You have to feel like you have no other choice." ♦

Visit <http://michelemeek.com> to learn more about Dr. Meek's work.



Dr. Michele Meek (top photo) films the two girls featured in *Imagine Kolle 37*, Alice McGill (left) and Mirabelle Meek, at the adventure playground. Below, the two girls take a break between scenes at Kolle 37.



Hollywood Story

Alumnus makes his mark in film industry

BY HEATHER HARRIS MICHONSKI

MANY DREAM OF ONE DAY giving an acceptance speech at an awards ceremony or walking the red carpet with flashbulbs popping all around. For Chris Sparling, G'05, that dream became a reality.

Since graduating from Bridgewater State 14 years ago, the Rhode Island writer, director and producer has been making a name for himself in the entertainment industry, working with some of the biggest players in the business.

He hit gold with his breakout script, *Buried*, which was turned into a movie starring Ryan Reynolds. The film won the Best Original Screenplay Award from the National Board of Review of Motion Pictures.

Mr. Sparling has continued to find success, including with the home-invasion thriller *Mercy*, which he wrote and directed for Netflix. Following that, he wrote and

produced *The Sea of Trees*, starring Matthew McConaughey and Naomi Watts, and directed by Gus Van Sant. In 2015, *Variety*, the entertainment trade magazine, included Mr. Sparling on its "10 Screenwriters to Watch" list.

In other words, Mr. Sparling has "made it."

Back when he was pursuing a master's degree in criminal justice at BSU, Mr. Sparling's career goals had nothing to do with Hollywood. "I come from a working class background where there is not much room for lofty goals," he said.

Yet, he couldn't put down the pen, nor put away those Hollywood dreams. "I was definitely writing scripts while I was at Bridgewater, but nothing had really caught for me. Essentially, during that time I was honing my craft," Mr. Sparling said.

Screenwriter Chris Sparling, G'05, (facing page, right) poses with Hollywood actors Naomi Watts and Matthew McConaughey.

Photo Courtesy of Getty Images, Tony Barson

After earning his master's degree, he landed a job as an investigator, but couldn't ignore the call to work in film.

One of Mr. Sparling's professors in the criminal justice program, Dr. Carolyn Petrosino, who is now retired, recalls her former student. "I remember him as strikingly engaged, attentive to two critical areas simultaneously – furthering the development of his academic skill sets and continually reflecting on his potential career plans," she said.

Dr. Petrosino initially advised him to continue his education and enroll in a PhD criminal justice program. Mr. Sparling pondered her suggestion, but ultimately decided against it and told Dr. Petrosino he wanted to pursue a career in film and television. "I expected her response to be, 'What?' Instead she was pretty cool about it. She was in my corner," he said. "If she had told me she didn't think it was viable, it might have steered me in a different direction or discouraged me."

Today, Dr. Petrosino is thrilled to hear of Mr. Sparling's success. "Learning that you've somehow made an indelible impression on a student's life journey is simply priceless," she said. "Chris' accomplishments are extraordinary and quite impressive. I would only encourage him to continue to pursue that which gives him a sense of fulfillment and contentment. It is clear that he has so much more ahead of him – new challenges and new accomplishments."

Mr. Sparling's next projects are adapting *Proof of Heaven* for Lionsgate Films and Stephen King's *The Talisman* for Steven Spielberg's Amblin Pictures. Also on the docket is production of his script *Greenland*, starring Gerard Butler and produced by STX Entertainment.

Mr. Sparling appreciates that all of his experiences, including his time at Bridgewater State, are part of the process that led him to success. "I'm really proud that I have my master's degree; it's something that took a lot of work and time," he said.

"It's important to recognize that it's a long journey and to understand that it's a building process," he added. "For some it might come easy, for others it might come harder. For some it's quick, for most it's going to take a long time. If you can be okay with that, I think eventually you will get somewhere."◆



Noubé Rateau, '10, and William Medero, '12, hold their Emmys at the June awards ceremony.

And the Emmy Goes To...

Alumnus earns the prestigious award for his latest documentary

BY HEATHER HARRIS MICHONSKI

NOUBE RATEAU, '10, can add another title to his growing resume – Emmy winner.

The filmmaker recently took home the coveted statue from the 42nd annual Emmy Awards, sponsored by the Boston/New England Chapter of the National Academy of Television Arts & Sciences.

His 2018 film, *Protect, Serve and Care*, topped the most outstanding documentary category. The production was co-directed by William Medero, '12. According to Mr. Rateau, the documentary is meant to draw attention to the relationship between police and minorities.

The Brockton native continues to build his reputation as a filmmaker to watch by creating documentaries through his company, Noubé Productions, based in his hometown, that shed light on some of today's more controversial issues. In 2016, his film *Out of Bounds* earned a New England Emmy nomination for best documentary. That project tells the story of inner-city athletes and the struggles they face.

Mr. Rateau has been teaching at Lynn Vocational Technical Institute for four years. Two of his students, Edward Cuevas and Amari Gaston, who recently graduated from the school's radio and broadcasting program, accompanied Mr. Rateau at the June 15 ceremony.

Amari is following in his teacher's footsteps and is attending BSU this fall. "Seeing Mr. Rateau win this award was amazing," he said. "It inspired me to continue working toward my goal to be a news anchor. I know how hard he worked for this, and I plan to work equally as hard to make my dreams come true, just like Mr. Rateau."◆



Bears in the Wild

BY HEATHER HARRIS MICHONSKI

THE BSU CAMPUS is home to five bear sculptures, four of which were painted by artists from Boston’s Street Theory gallery, with funding from the president’s office.

The most recent addition to the pack was painted by BSU student Kayla DaCosta, ’21 (left). Earlier this year, her bear – painted bright orange, yellow and salmon – was placed just off the courtyard behind the Rondileau Campus Center.

Kayla, who is studying fine arts with a concentration in painting, was selected for the project by Jay Block, associate director of collections and exhibitions. She was excited to add to the collection of painted mascots that began appearing last year across campus. “It’s super rewarding to see my work on such a large scale and to see it on my college campus,” she said.

The other sculptures can be seen (clockwise, from top right) in University Park near Crimson Hall, at East Campus Commons, outside Kelly Gym and at the Welcome Center. ♦



ALUMNI UPDATE

CLASS NOTES

STAY CONNECTED. Send your news to the Office of Alumni Relations via email to alumni@bridgew.edu or mail to Jones Alumni House, 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.

1956

Margaret DiPersio moved to an independent living facility, is driving and participates in two book clubs. She wishes good health and blessings to members of the Class of 1956.

1962

Jeanne Maggio was named Winthrop's "Citizen of the Year" by the Elks Association.

1965

Elayne Neal's first book, *Return of The Eagle: Poems with Their Stories of Higher Consciousness*, was published on Amazon in July.

1966

Armand Marchand, G'70, stepped down as executive producer of the New Bedford Festival Theatre after serving in that position for 30 years. He is now executive director of the organization.

1978

Nancy Emanuel completed her PhD in Special Education and Educational Leadership in 2017 at George Mason University in Virginia and now works as the Director/Coordinator for Special Needs Ministries for the Catholic Diocese of Arlington, Virginia.

1979

Karen Boen was inducted into the U.S. Track and Field and Cross-Country Association 2019 Coaches Hall of Fame. She is head cross-country coach at Stonehill College and is the first coach from the Northeast 10 Conference to be inducted into the hall.

1982

Mona Podgurski's artwork was exhibited in the Upper Gallery at the Stoughton Public Library in June.

1987

Thomas Pileski, G'87, retired as athletic director for Coyle and Cassidy High School in Taunton, where he also was head football coach for nine seasons. He previously served as the longtime head baseball coach and athletic director at Brockton High School.

1990

Nancy Burgio mentors high school students interested in speech-language pathology and supervises graduate and post-graduate students in the school-based therapy environment.

1991

Michelle Bratti, G'06, is the new director of elder affairs for Plymouth.

Anne-Marie Cloutier moved into a new home in Nahant.

Stephanie Miele, G'91, a vocalist, presented songs from musical theater and film at the Gallery on Main in Falmouth. The performance highlighted the music of Stephen Sondheim, Rodgers and Hammerstein, and Kander and Ebb.

David Wolcott, senior sports multimedia journalist, is sports editor of the *Hanover Mariner* and the *Pembroke Mariner & Express* newspapers.

1994

Jack Vadnais is director of investments services at Freedom Credit Union.

1995

Adam Baler was appointed clerk magistrate of Plymouth District Court.

Ellen J. Nagle retired from Wampatuck Elementary School after serving as a reading specialist and grade two teacher for 20 years.

Lieutenant Richard Noonan of the Foxboro Police Department graduated from the FBI National Academy in Quantico, Virginia, in June.

1996

James Hayden, G'96, is interim head of school at Sacred Heart School in Kingston. He had previously served as superintendent of Norwood Public Schools.

1997

Nichole Rich, G'02, G'06, acquired Club Z! In-Home Tutoring of Cape Cod in March. She manages the territory from Pembroke to the Cape and Islands.

Amy Roberts was appointed senior vice president and chief human resources officer at PeoplesBank. She oversees all human resources and employee engagement activities for 325 employees in 21 banking centers and three locations under development in Massachusetts and Connecticut.

Kristan Tarricone has joined Hancock Associates as a project wetland scientist.

1998

Stephen Nedder was named vice president for administration and finance/CFO at Rhode Island College after serving in that role last year on an interim basis.

1999

Colleen Finn is assistant principal at Swampscott High School.

2000

Jen Goodwin, head softball coach at Yale University, was elected to the Massachusetts State Collegiate Athletic Conference 2019 Hall of Fame in honor of her Bridgewater State student softball career. She is the Bears' all-time leader in batting average (.462), home runs (38), extra base hits (103), runs batted in (200), doubles (48) and slugging percentage (.875). She also holds the single-season marks for batting average (.504) and home runs (14).

Kristine M. Kefor is principal of the Amvet Boulevard School in North Attleboro.

2001

Allison Barnes opened R3BILT Fitness in Quincy, which focuses on anti-aging and bio-individual exercise techniques.

Dr. Andrew Meyer was granted tenure and promoted to associate professor, sport foundations, at Baylor University in Waco, Texas.

2003

Katelyn Champine, G'09, is assistant director of special education at The Schwartz School, a private school for

students with special needs, ages 3-22, located on the Meeting Street campus in Dartmouth.

2004

Barbara Driscoll has retired and moved to a new home in Mashpee.

Geoffrey Oldmixon is associate vice president of marketing and development for Clinical and Support Options Inc. in Northampton. He previously served as director of marketing for public television station WGBY in Springfield, and as director of communications and online services for the Harold Grinspoon Foundation in Agawam.

2005

Justin Kogler was named head football coach for West Bridgewater High School.

Sharon Wolder, G'05, chief officer of student support services for the Brockton Public Schools, received the 2019 ATHENA Award from the Metro South Chamber of Commerce and Eastern Bank. The award is presented annually to an exceptional individual who has achieved excellence in his/her business or profession, has served the community in a meaningful way and has assisted women in reaching their full leadership potential.

ALUMNI EVENTS

For more information, visit www.alumni.bridgew.edu or call 508.531.1290.

SWIM AND DIVE TEAM 50TH CELEBRATION
SATURDAY, FEBRUARY 8, 2020
Dana-Mohler Faria Science and Mathematics Center, Bridgewater State University

FLORIDA-BRADENTON BRUNCH
SUNDAY, MARCH 8, 2020
Bradenton, Florida

AFRO-AM ALUMNI ASSOCIATION 30TH ANNIVERSARY
SATURDAY, MARCH 28, 2020
Rondileau Campus Center Ballroom

GIVING DAY
WEDNESDAY AND THURSDAY,
APRIL 22 AND 23, 2020
Bridgewater State University

LEADERSHIP CELEBRATION
WEDNESDAY, MAY 20, 2020
East Campus Commons

ALUMNI ITALY TRIP
SATURDAY-SUNDAY, MAY 23-30, 2020

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 due by June 1, 2020, and may be mailed to the Bridgewater Alumni Association at Jones Alumni House, 26 Summer St., Bridgewater, MA 02325, or completed at www.alumni.bridgew.edu.

BAA BOARD NOMINATIONS

The nominating committee of the Bridgewater Alumni Association is seeking candidates for board and committee vacancies. Nominations are due by February 1, 2020. Contact the Office of Alumni Relations at 508.531.1290 or alumni@bridgew.edu for more information.

ALUMNI UPDATE

CLASS NOTES

2007

Jacquelyn Anfield, a special education teacher at Whitney Academy in Freetown, was honored with the Distinguished African American Alumnus Award by Bristol Community College.

Nicole M. Long, G'07, chief executive officer of Old Colony Elder Services in Brockton, was honored as a recipient of the 2019 Cape & Plymouth Business 40 Under 40 Awards, which spotlight the region's top business leaders under the age of 40 who excel in their industry and show dynamic leadership.

Joseph Pacheco was elected in April to a fifth term as a selectman in Raynham. He was first elected to the board

while a senior at Bridgewater State in 2007 at the age of 21.

2008

Shawn Medeiros, sports information director at Endicott College, received the 2019 College Sports Information Directors of America Rising Star Award (College Division). The award honors individuals with 10 years or less of service whose work at their institutions and whose service, dedication, energy and enthusiasm to the profession make them "rising stars" in athletic communications.

2009

Silas Coellner, G'09, was named principal of Old Rochester Regional Junior High School in Mattapoisett.

Seanna Grant is a retail officer with South Shore Bank. She has more than a decade of branch managerial experience and previously served as a branch manager/assistant vice president at Hingham Institution for Savings.

Dr. Christopher Hallenbrook is an assistant professor of political science at California State University, Dominguez Hills.

Rachel Wolfgang was promoted to project management supervisor at Poyant, a sign manufacturer located in New Bedford.

2010

Jamie McIntosh is the new Harbormaster for the Town of Mattapoisett.

Anabela Vasconcelos was promoted to vice president/senior loan officer at Canton Co-operative Bank.

2011

Jessica Jackson joined Arruda Realty in Acushnet as a sales agent.

2012

William Goodale, III, G'15, is a patrolman with the Somerset Police Department.

Jordan McDermott is head softball coach for Whitman-Hanson Regional High School.

2013

Elizabeth Bartlett, earned a Master of Science degree in nursing from Regis College and is a licensed nurse practitioner in Massachusetts.

IT WAS A GLIMPSE of what was to come the day a young Lauren Paduch saw a black bear during a family camping trip. Instead of retreating like the rest of her family, she ran toward it. "I just wanted to be friends," Ms. Paduch recalled.

Luckily, her father scooped her up before she got too close to the roving carnivore. In retrospect, it should have been clear the young Middleborough native was bound to become a veterinarian.

Now 27 and with a Bridgewater State University biology degree to her name, Ms. Paduch is pursuing that very goal. After graduating last spring, doctoral programs lined up to admit her, including those at Boston University and Northwestern University. Ultimately, she chose the Cummings School of Veterinary Medicine at Tufts University where she plans to earn a PhD, allowing her to work in both clinical and research settings.

Beyond chasing a random bear, there were other early signs of her destiny. For instance, as a child, Ms. Paduch would use her toy stethoscope on the family dog. She also loved visiting petting zoos. "The way my mom describes it, there was always a connection with animals," she said.

Yet, after graduating in 2010 from Middleborough High School, the dream of becoming a veterinarian didn't immediately lead her to college. "While I had grown up wanting to be a vet, in high school I started second-guessing myself," she said. "So I took some time to work and get some experience, and that turned into five years."

That experience came by way of secretarial jobs, as well as working in a small-animal clinic and volunteering at the Massachusetts Society for the Prevention of Cruelty to Animals at Boston's Angell Memorial Animal Hospital.

Healing animals as a career soon came back into the picture. Ms. Paduch enrolled part time at BSU in January 2015, and switched to full-time status the next semester.

While part of her felt BSU was the right choice, she began to wonder if, given her career aspirations, she'd be better served attending a big-name institution. Then Ms. Paduch had a heart-to-heart conversation

ALUMNI PROFILE

LAUREN PADUCH, '19



with the faculty member who would become her mentor, Professor Jeffery Bowen of the Department of Biological Sciences. "After talking with him, I could see all Bridgewater had to offer," she said.

Ms. Paduch also visited other schools and found classes jammed with 300 students. That was a turn off. When Dr. Bowen told her about BSU's small class sizes, along with opportunities for lab work and undergraduate research, the deal was sealed. She chose to remain a Bear.

How'd that work out?

"The biology program here is awesome," Ms. Paduch said, as she sat in an office inside Boyden Hall after her first week at Tufts. She also praised the BSU faculty, particularly Dr. Bowen. "I can't speak highly enough of him. He's a wonderful teacher."

While many students in the Tufts University veterinarian program change career tracks along the way, at the moment, Ms. Paduch hopes to focus on research tied to species survival programs and wildlife medicine. But, she's confident she'll be well prepared for whatever area of veterinarian medicine ultimately calls to her.

"The world is my oyster," she said. "It seems right now I can end up wherever I want to end up."◆

ALUMNI SERVICES

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

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.edu

WEBSITE

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

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.

ALUMNI UPDATE

CLASS NOTES

Daniel O’Connell was promoted to senior staff accountant in the tax department of Gray, Gray & Gray LLP.

2014

Michael McCarthy, a Bears quarterback who started 41 consecutive games, has been inducted into BSU’s Athletics Hall of Fame, Class of 2019. He teaches health at Plymouth North High School and is the offensive coordinator for the school’s varsity football team. Mr. McCarthy also owns and operates M2 QB Academy, a quarterback training business that mentors youth and high school quarterbacks.

Kevin Skrickis, G’14, joined the board of the Cape Cod Young Professionals organization as the treasurer.

2015

Christopher Carr is a history teacher at McCann Technical School in North Adams. He is also the coach for the school’s golf program.

Milena Cruzado is a sixth-grade adjustment counselor with the Springfield Public Schools. She had previously served for a year as a residence director at American International College in Springfield.

George Kelleher-Bianchi, G’15, G’17, is assistant principal of the Kevin M. Hurley Middle School in Seekonk.

Laurel Ryan received a 2019 Cape & Plymouth Business 40 Under 40 Award. She

creates one-of-a-kind jewelry at her Cape Cod business, Nautically Northern. Ten percent of the profits are donated to charity.

2016

Kevin Agrella was sworn in as a firefighter with the Easton Fire Department.

Ashley Motta is a police officer with the Swansea Police Department.

2017

Brittney Field is varsity field hockey coach at Leominster High School.

Daniel Higgins signed a short-term contract with the Copenhagen Towers, an American football team that

plays in the Danish American Football Federation.

Cody Webber is a civilian public safety dispatcher for the Kingston Police Department.

2018

Sean P. Kupris, U.S. Air Force Airman 1st Class, graduated from basic military training at Joint Base San Antonio-Lackland in San Antonio, Texas.

2019

Joseph Carty was named graduate manager for Boston College’s basketball team for the 2019-2020 season.

MARRIAGES

The university celebrates the weddings of the following alumni:

Jamie R. O’Neil, ’04, G’11, to Jose P. Raposo on May 4, 2019
Kristina Rodrigues, ’11, to **Corey Wade, ’11**, on June 24, 2017

IN MEMORIAM

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

Elizabeth Burnham Wood Smith, ’41, on May 4, 2019
Rheta Markey Tuttle, ’43, on March 12, 2019
Marilynn Waterman Dutra, ’45, on April 3, 2019
Eileen Callahan Brown, ’48, on April 12, 2019
Jean Campbell Thrower, ’49, on April 28, 2019
Eleanor L. Trevains, ’49, on April 12, 2019
George S. Pappas, ’50, on February 23, 2019
Irene Fiola Doherty, ’53, on March 30, 2019
Gerda Kober Gaulke, ’53, on April 1, 2018
Jean McCarthy Anderson, ’54, on June 3, 2019
Anne E. Trask, ’54, on April 25, 2019
Eleanor Corbo Cardinal, ’55, on August 19, 2019
Judith Steinberg Peel, ’56, on April 28, 2019
Marion Johnson Hunt, ’57, on September 22, 2018
Jeanne Burke Dawe, ’59, on May 20, 2019
Donald A. Girard, ’59, on April 19, 2019
Paul F. Corcoran, G’60, on April 17, 2019
Ann Hansen Gill, ’60, on November 21, 2018
A. William Kochanczyk, ’60, on November 26, 2018
Maude C. Ware, ’60, on May 29, 2019
Margaret Z. Considine, G’61, on June 28, 2019
Jane Landini Karlson, ’61, on March 27, 2019
Frederick B. McDonald, G’62, on June 14, 2019
Elizabeth Sparks, G’62, on April 17, 2019
Lorraine Azevedo Viveiros, ’62, G’64, on May 10, 2019
Virginia A. Davis Lambert, ’63, on September 9, 2019
Charles P. Leary, G’63, on July 23, 2019
Richard S. Baldwin, ’64, on August 11, 2019
Marion Snyder Crocker, ’64, on August 23, 2019
Robert M. Lane, ’64, on July 28, 2011
Sandra MacKenzie Feeley, G’65, on October 29, 2018
Arthur M. Gulla, G’65, on August 2, 2019
Laurence B. Lerner, ’65, on June 7, 2019
Susan Rodham Farrar, ’66, on November 14, 2018
Raymond A. Lebrun, G’66, on April 24, 2019
Carole Reckendorf Rebman, ’66, on May 31, 2019
Joyce Plasko-LeClaire Simnett, ’66, on January 11, 2019
Adrian J. Dauphin, G’67, on June 22, 2019
Paul F. Miguel, ’67, G’71, on May 24, 2019
Joseph Pawlowski, ’67, on May 23, 2019
Eileen McCarthy Perillo, ’67, on June 6, 2019
Anne McAuliffe Savacool, ’67, on June 21, 2019
Anne Wright Doane, ’68, on July 19, 2019

Patrice J. Galvin, ’68, on June 15, 2019
Maureen Dwyer Griffin, ’68, on March 9, 2019
George B. Berg, G’71, on July 28, 2017
Mary Costello Sirois, ’71, on August 26, 2019
Jean C. Eldridge, ’72, G’76, on March 19, 2019
William T. Jacques II, ’73, on May 3, 2019
George B. Murphy, ’73, on June 11, 2019
Thomas F. Perry, ’74, on August 10, 2019
Delores E. Vieira, ’75, on June 12, 2019
Alan D. Bates, ’77, on April 25, 2019
Stephen D. DiTullio, ’77, on July 16, 2019
Joseph P. Napoleon, ’77, on July 29, 2019
Charles H. Cummings, G’78, on March 27, 2019
Frank J. Longo, G’78, on August 21, 2019
Geraldine A. Orlando, ’78, on April 1, 2019
William J. Curtin II, ’79, on March 23, 2019
Pamela J. Shaughnessy, ’79, on June 3, 2019
George F. Hitt, G’80, on December 11, 2018
Regina S. Senkel, ’80, in August 2019
Gilbert W. Bliss, ’81, on July 2, 2019
Edwin J. Jaworski, G’81, on May 3, 2019
John D. Kenneally, ’83, on June 1, 2019
Ronald J. Rezzani Jr., ’83, on May 23, 2019
Daniel J. Junker, ’84, on March 28, 2019
James D. Kenneally, ’84, on July 4, 2019
Cela Swirbalus Phillips, ’84, on August 28, 2019
Jean M. Avila, ’86, on March 28, 2019
Joan Simonson Howe, G’86, on July 21, 2019
Marilyn R. Pacheco, ’86, on August 14, 2019
Loretta Larson, ’89, G’94, on April 4, 2019
Richard Wilson Jr., ’93, on August 12, 2019
Ruth E. Wise, ’94, on January 15, 2019
Regina Marten-Getch, ’95, on October 2, 2015
Peter Pinckney Jr., ’95, on July 13, 2019
Katherine V. Braz, ’98, on July 29, 2019
Thomas G. Dilley, ’00, on April 28, 2019
John J. Floyd, ’00, on April 23, 2019
James J. Hartman Jr., ’07, on July 9, 2019
Michael J. Sullivan, ’08, on March 29, 2019
Devyn J. Killion, ’17, on May 11, 2019

Warren David Englund, professor emeritus, Department of Education, on April 28, 2019

CAREER SERVICES

Help lead Bridgewater State University students to success

SPRING 2020 EVENTS

JOB & INTERNSHIP FAIR

THURSDAY, APRIL 9, 11 AM-2 PM
Tinsley Athletic Center

Attend BSU’s largest career fair of the year with more than 120 employers recruiting for full-time, professional-level opportunities, as well as for available or anticipated internships.

This is an ideal opportunity to meet with employers who are interested in BSU talent. All alumni are welcome.

EDUCATION CAREER FAIR

TUESDAY, MAY 5, 4-6 PM
Rondileau Campus Center Ballroom

Meet with representatives from more than 55 school districts, charter schools, independent schools and educational nonprofit organizations recruiting teachers for grades K-12, along with school counselors, social workers and administrators.

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

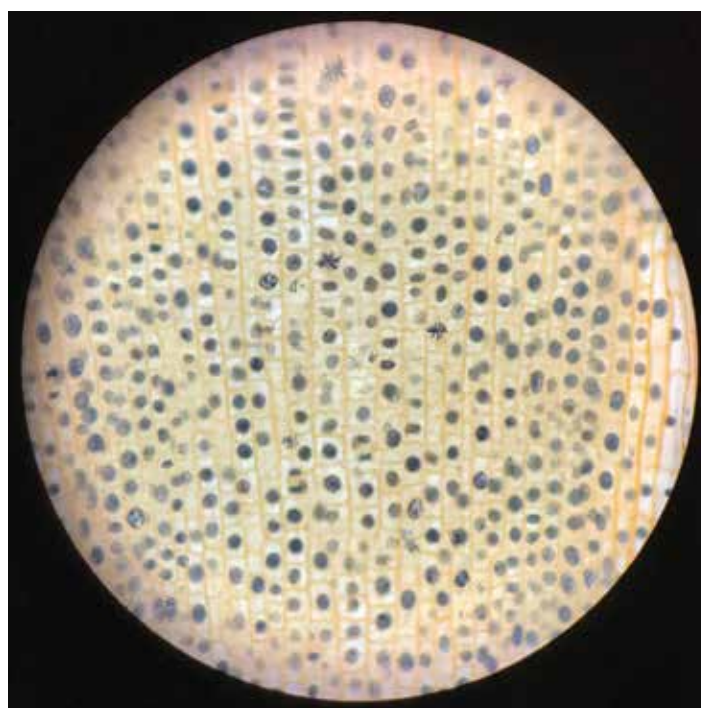
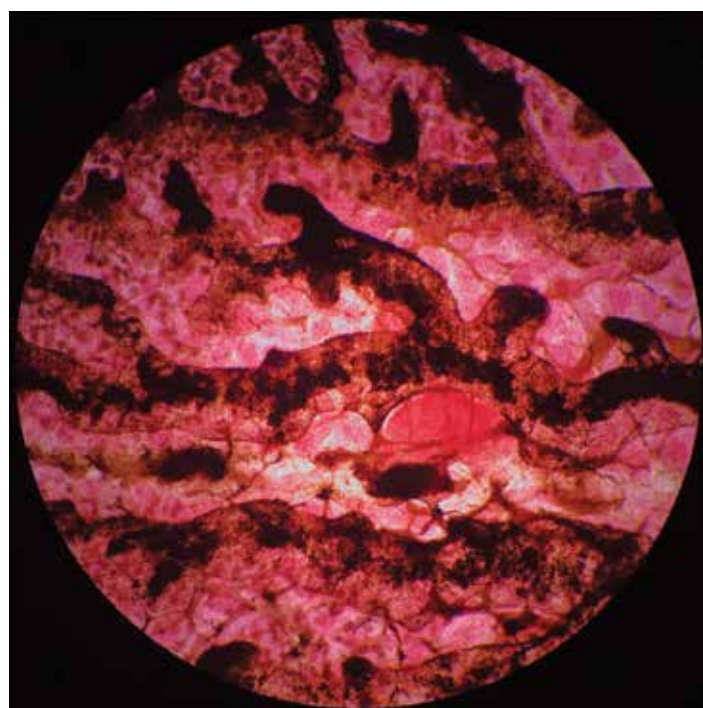
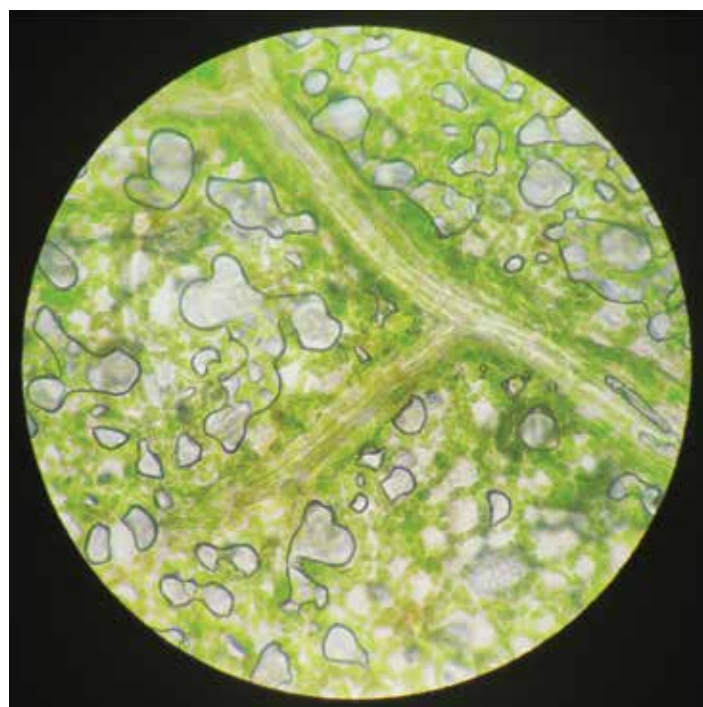
Spend five-10 hours a month improving your company’s visibility on campus while offering students resume and cover letter critiques, as well as workshops.

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, the annual Etiquette Dinner and the Practice Interview Program.

ALUMNI UPDATE

NOTA BENE



PHOTOGRAPHS BY JULIA WHALEN, '20, biology and secondary education double major

"One of the main reasons I share these microscope images on my Instagram is because I think science and nature can be fascinating for anyone if you present it in a compelling way. When I reach my goal of becoming a science educator, it will be my job to spark my students' interest. I figured I'd start early and get my friends and family interested in it too, all through social media."

See more of Julia's photographs on Instagram @naturejules

Pictured above (clockwise, from top left) are the epidermal layer of an avocado leaf, human muscle fibers, onion root and a flatworm.

Want to see your photo here? Post your best images on social media with the hashtag #BSUPartingShot. We're looking for high-quality, high-resolution photos that make us say WOW!

BECAUSE OF YOU

STUDENTS, WHO
MIGHT OTHERWISE
NOT HAVE THE CHANCE,
ARE EARNING BSU DEGREES

DECADES AGO...

80 percent of our funding came from the state, and the remaining 20 percent from students.

TODAY...

Numbers are reversed. This means it has become harder and harder for students to work their way through school.



Recently, BSU has offered me scholarships, which have made paying for college less burdensome.

I was at school when I read the email that I had received a scholarship and I almost cried from relief and joy. My parents and I were struggling and I had reached the point where I was beginning to lose faith that I could continue my dream of becoming an English teacher. I called my parents, and I could hear my mother's smile. **My dad just kept saying 'that's good news.' And we needed some good news.**

I felt so grateful, but most of all I felt overwhelmed by the kindness. It was more than just the money. It was an opportunity to keep pressing forward, to work hard, to give back.



JESSICA RINKER, '21
MAJOR: English and Secondary Education



SUPPORT THE BRIDGEWATER FUND

Every dollar you generously donate to the Bridgewater Fund makes an impact and relieves the financial burdens on students like Jessica.

[GIVE.BRIDGEW.EDU/BSUFUND](https://give.bridgew.edu/bsufund)



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