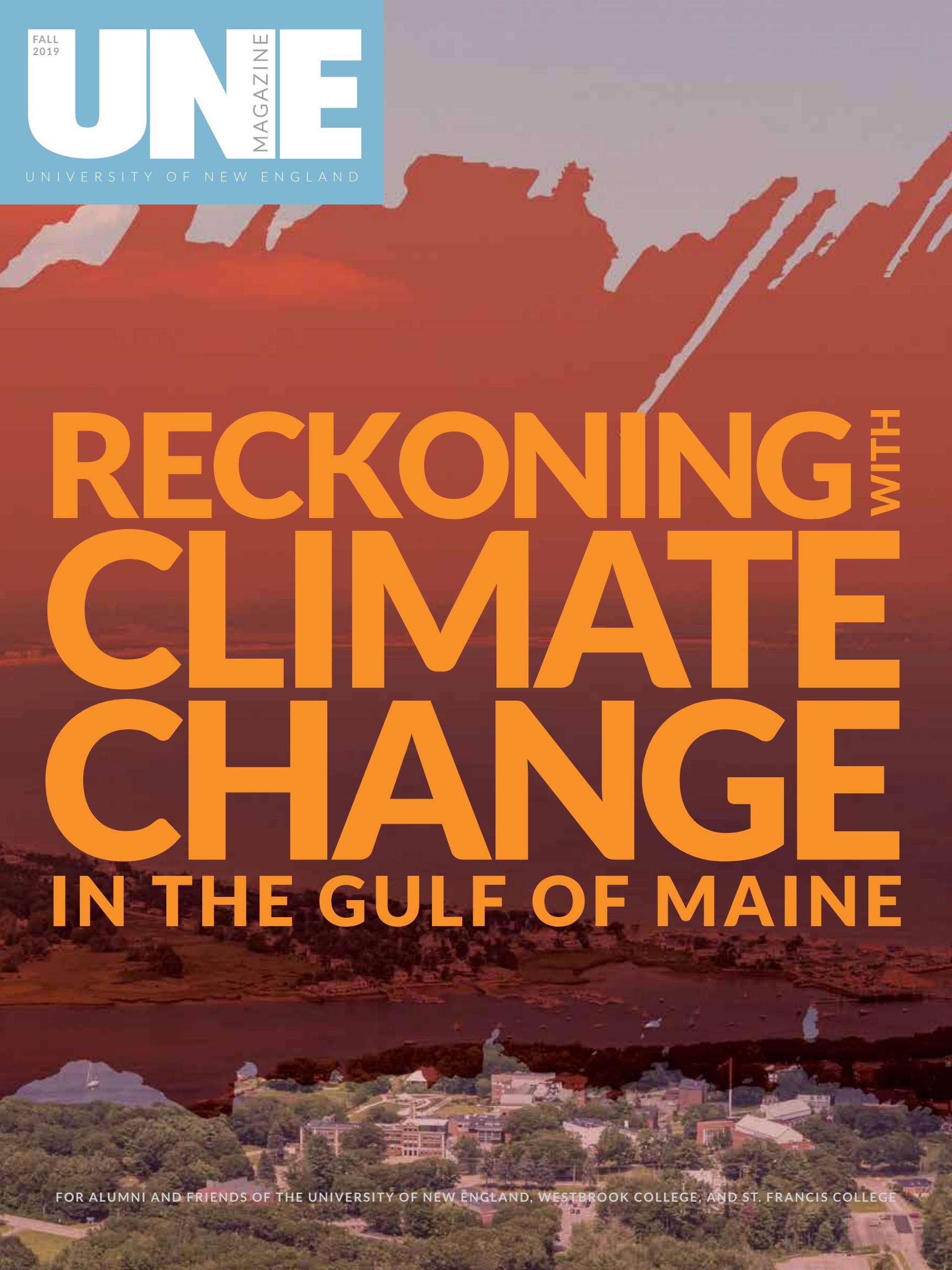


FALL
2019

UNE
MAGAZINE

UNIVERSITY OF NEW ENGLAND

The background of the magazine cover features a wide-angle aerial photograph of the University of New England's campus in Biddeford, Maine. The campus is nestled in a green, hilly area overlooking a large body of water, likely the Gulf of Maine. In the distance, a small town or city is visible along the shore. The sky above is a dramatic, warm orange and red, suggesting either a sunrise or sunset.

RECKONING WITH CLIMATE CHANGE IN THE GULF OF MAINE

FOR ALUMNI AND FRIENDS OF THE UNIVERSITY OF NEW ENGLAND, WESTBROOK COLLEGE, AND ST. FRANCIS COLLEGE



It is my pleasure to present you with the very first issue of the redesigned *UNE Magazine*. As you will see, our new format provides expanded opportunities for presenting in-depth storytelling and breathtaking photography, while allowing room for several exciting new features.

One of the hallmarks of UNE is that our academic programs strive to be as relevant and responsive to workforce and societal needs as possible. This approach gives our students a decided advantage when it comes to applying for internships and seeking first jobs. As such, this issue of the magazine details some of the important work we are doing related to climate change.

Across our programs, we are working to understand the causes, address the effects, and limit the rate of the Earth's warming. Our marine programs couldn't be better situated to lead this work. The Gulf of Maine — one of the fastest-warming bodies of ocean water on the planet — presents the perfect microcosm for our budding scientists to develop and apply their expertise. Meanwhile, partnerships like those created by UNE NORTH, our Institute for North Atlantic Studies, allow us to share ideas and develop knowledge with collaborators throughout the North Atlantic.

In this issue, you will also learn about some of the esteemed guests it has been our privilege to welcome over the past year. In January, prominent civil rights activist Angela Davis captivated a record crowd on our Biddeford Campus as we commemorated Martin Luther King Jr.'s visit to St. Francis College in 1964. In May, newly elected Maine Governor Janet Mills — the first female governor in Maine history — served as speaker at UNE's 184th Commencement. And in September, President Bill Clinton and former Florida Governor Jeb Bush highlighted our George and Barbara Bush Distinguished Lecture Series event in Biddeford.

As you learn more about these and other topics, I hope you will be as proud as we are of UNE's role in preparing students to lead successful, rewarding lives, doing work that matters.

Sincerely,

JAMES D. HERBERT, PH.D. | PRESIDENT



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COVER STORY CLIMATE CHANGE AND THE GULF OF MAINE

A publication of the Office of Communications

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For additional content and bonus features, be sure to visit us online: une.edu/magazine.





UNE COM CELEBRATES 40TH ANNIVERSARY

UNE's College of Osteopathic Medicine held a celebration on June 29 to mark 40 years since the completion of its first full year of classes. Just weeks after graduating 178 new D.O.s, faculty, professional staff, alumni, students, and others gathered at Ripich Commons for an evening of dinner and dancing to honor the medical school's history, which began with an inaugural class of 36 students.

In his remarks, President James Herbert described UNE COM as a "true force in medical education." He congratulated the school for being the leading provider of D.O.s for New England and the leading provider of physicians for the state of Maine. He also applauded the school's position at the forefront of the revolution that brought osteopathy out from under the shadows of allopathy.

UNE COM Dean Jane Carreiro, D.O. '88, shared her dreams for the school's next 40 years, noting that she hopes UNE COM will continue to foster the growth of team-based interprofessional health care and increase its clinical learning opportunities in rural health care settings. She rejoiced in the fact that, having graduated 3,700 D.O.s in the past 40 years, the next four decades will provide an "ever-expanding network of UNE COM alumni to create new opportunities for students and alumni alike."



MAINE WOMEN WRITERS COLLECTION CELEBRATES 60 YEARS

In 1959 — the same year that Mattel introduced the Barbie Doll and a time when only 35% of college students were female — two Westbrook Junior College (WJC) instructors made a pioneering step in the field of women's literary studies. Grace A. Dow, chair and professor in the Department of English at WJC, and Dorothy M. Healy, a WJC teacher and administrator, founded the Maine Women Writers Collection (MWWC) in order to celebrate and preserve the contributions to Maine culture and literature made by women writers. It was one of the first, if not the first, collections of its kind in the country.

On June 14, 2019, a packed crowd gathered in the Abplanalp Library on the Portland Campus to celebrate the MWWC's 60th anniversary. The event showcased examples of the material in the collection through a short series of readings and included works by May Sarton, Estella Deering, Donna Loring, Ruth Moore, and an anonymous suffragist. Special guest reader Monica Wood, a bestselling Maine novelist and memoirist, shared an excerpt from an essay by Kate Douglas Wiggin about her childhood encounter with Charles Dickens.

In her opening remarks, the collection's director, Jennifer Tuttle, Ph.D., Dorothy M. Healy Professor of Literature and Health, recognized the progressiveness and vision of the collection's co-founders. "Before the resurgence of the Women's Movement in the United States, before the advent of women's studies, Dow and Healy saw that Maine women's writing should be honored, preserved, and made available for study and enjoyment," she said. "In short: they took women and their writing seriously."





UNE ART GALLERY CELEBRATES THE ART OF THE COMIC

July 11, 2019 saw the opening reception for *The Art of the Comic* at the University of New England Art Gallery on the Portland Campus. Featuring the work of 28 local comic and sequential artists, illustrators, and professional doodlers, the exhibition explores the diversity of styles and subject matter that characterizes comics and related media. The reception drew a packed crowd that wove together various strands of the Portland area's diverse arts community.

"Comics, to me, are special in their ability to combine nuance and accessibility, and the medium seems to transcend age and socioeconomic background," says Interim Gallery Director Amanda Skinner, who curated the show. "So, my hope in bringing comic art to a gallery setting was to bring in some new faces of all ages and backgrounds and to celebrate the artistry of the medium in its own right."

The work on the walls represents a whiplash-inducing range of styles, from "The Pirate Ship," an unflinching chronicle of life on Portland's streets (created by Katy Finch, M.S.W. '18, and Bob Bergeron), to the work of Mort Todd, an industry veteran who has worked for big-league companies such as DC and Marvel.

"As the show demonstrates, the style, approach, and subject matter in comics can vary tremendously — everything from funny quips and one-liners to personal memoir, political satire, and gritty social commentary," says Skinner.

Looking around at the reception's lively and colorful crowd, Skinner reveals one more motivating factor in putting together the show. "Comic artists are so much fun to work with!" she says. "Comics have been historically excluded from formal exhibition settings, so it was just plain fun and rewarding to be able to help give these great artists that experience."



DENTAL ▾

UNE dental students share cultural insights and knowledge of dentistry through Cambodia exchange program

Lindsey Cunningham, D.M.D. '19, always wanted to travel internationally and spend time performing dentistry in low-income areas. She originally wanted to become a dental assistant but decided to further her education and work toward becoming a dentist.

When she learned about UNE's Cambodia exchange program, she jumped at the chance to take part. "I knew that this was a potential opportunity," she said. "It's one of the reasons I decided to come to UNE. I wanted to see what it would be like to do a foreign dental trip. It was everything I imagined and more."

In 2017, Cunningham was part of the first UNE team to work with students and faculty at the University of Puthisastra (UP) in Phnom Penh. She spent two weeks in Cambodia with Nicole Kimmes, D.D.S., associate dean of Curriculum Integration and Analytics in the College of Dental



Medicine (CDM); Travis Erickson, M.Ed., assistant dean of Student Affairs in the CDM; and Tara Prasad, D.M.D. '18.

"Partnering with the University of Puthisastra has provided a unique experience for our students to be immersed in the dental education and outreach environment in a developing country," said Kimmes.

The goals of the trips are to increase cultural competency, instill social responsibility, and foster awareness of global oral health issues.

"Northern New England has many of the same access to care issues as Cambodia," says Jon Ryder, D.D.S., M.S., dean of the College of Dental Medicine. "Exchange programs like this are also about discovering diverse solutions to common access to health care problems."



HEATH PROFESSIONAL ▾

UNE alum lands paid internship with the NFL's Buffalo Bills

Andrea Gosper, B.S. '19 (Health Sciences), reported to the Buffalo Bills training camp this July to begin working with the team's scouting department. Gosper, an intern with the UNE football coaching staff, accepted a year-long, paid internship with the Bills.

Earlier this year, she was invited by the National Football League to take part in its Women's Careers in Football Forum in Indianapolis, Indiana. The forum helps the NFL identify qualified women to join its next generation of leaders. While attending the forum, Gosper met the Bills' general manager, Brandon Beane, and assistant general manager, Joe Schoen. A few weeks later, she received a call offering her the position.

"It's her energy and excitement," Schoen told the *Portland Press Herald*. "Just being around her, you see a very upbeat personality and her

passion for football. She helped coach at UNE last fall, and for her to be part of something they're starting there, it's kind of like what we're doing here — we're trying to build something here."

"Being [at UNE] exposed me to a lot of areas of football, and that really helped me," Gosper explained to the *Press Herald*. "That has led me to being able to open many doors."

Despite being a lifelong New England Patriots fan, Gosper says her allegiance will be with the Bills while she's working with the team. "I love the Patriots, but I'm there to do a job," Gosper told WMTW. "When I'm there, I'm all Bills. You have to be 100% in."

RESEARCH ▾**UNE rises in Carnegie Classification**

The University of New England has risen in the ranks of the nation's research universities, according to the Carnegie Classification of Institutions of Higher Education in its 2018 update. The classification system, widely regarded as the leading framework for categorizing accredited U.S. universities and colleges, ranked UNE, for the first time, in the category of "Doctoral Universities: High Research Activity."

"The reclassification is a testament to our commitment to high quality research as a key component of the institution," said UNE President James Herbert. "Our faculty members have done extraordinary work, often focusing their research on real-world problems that impact the region so that solutions can then be scaled to a larger, even global, level. And they have accomplished this, without exception, by deeply involving undergraduate students in their research."

Associate Provost for Research and Scholarship Karen Houseknecht, Ph.D., said that while UNE offers a wide range of opportunities for research and scholarship at the graduate level, as do many universities, it is the academic experience at the undergraduate level that differentiates the University from many others. According to Houseknecht, 41% of UNE undergraduates participate in faculty research by the time they graduate.

"Our undergraduate students are hungry for hands-on research experiences," she said. "Whether they are serving as research assistants or conducting their own research or scholarship, our students are benefitting from faculty who view research mentorship as an integral part of their job."

**PHARMACY ▲****Students get hands-on experience learning about the growing field of veterinary pharmacy**

Students from UNE's College of Pharmacy are learning about veterinary pharmacy firsthand by volunteering to medicate cats at the HART Animal Shelter in Cumberland, an all-volunteer operation that houses up to 100 cats at a time. The student volunteers were recently featured in a news segment on WCSH.

"A lot of people don't think about veterinary pharmacy when they think of a pharmacist," said Evan Carrell (Pharmacy, '22). "They usually think of somebody behind a counter at Rite Aid."

The students typically spend a few hours, once a week, making their rounds at the shelter. They take what they learn in the classroom and apply it at HART. "The underlying illnesses in the cats are usually pretty consistent with human diseases and disorders, so that carries over," said Marlee Smith (Pharmacy, '22), student coordinator for the volunteers.

Maine is becoming a hub for the animal health industry, opening the door to many career opportunities for these students. "Having this exposure to veterinary forms of medication already is a great thing to put on your resume," Smith said.

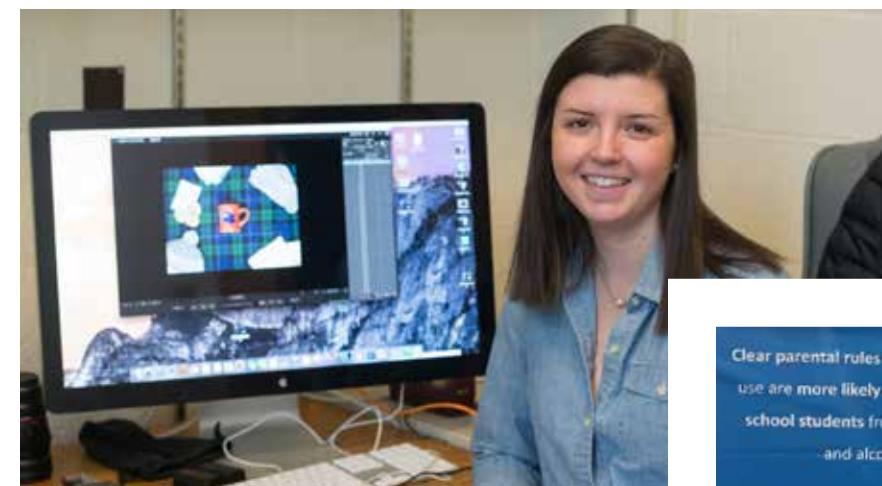
While the students are getting great hands-on experience, they're also giving back to their community. Their efforts are greatly appreciated by HART's Executive Director Lisa Smith. "The hands-on medical care includes fluid administration, oral medication, and injections," Smith explained. "These are all things the students are familiar with because they've got excellent backgrounds. That really lends itself well for them to jump right in and immediately be of service to our organization."

ARTS AND SCIENCES ▾**Communication major's stop-motion animation videos featured on WCSH**

While taking a documentary video course with Joe Habraken, associate professor of film and video, Emily Ferrick, B.A. '19 (Communications), became interested in stop-motion animation videos. Her work was recently featured on NEWSCENTER Now on WCSH.

"I've seen a lot of stop animation videos on social media, Instagram in particular," she said. "Businesses use them for advertising purposes. The videos let the products tell their own story, instead of the advertisers telling the story for the products."

While Habraken typically teaches longer format documentary video production, he keeps up with the latest trends in social media. "We look at digital media a little bit more than a lot of communication degree programs," he stated. "That's where the jobs are going to be." Habraken

**GRADUATE AND PROFESSIONAL STUDIES (UNE ONLINE) ▶****UNE showcases public health in Philadelphia**

UNE's Center for Excellence in Public Health (CEPH) and Graduate Programs in Public Health (GPPH) professional staff, faculty, and students presented their work recently at the American Public Health Association's Annual Meeting in Philadelphia.

Heather Doran, M.S., research associate for CEPH, and Megan Hawkes of Public Consulting Group, Inc., gave a talk, titled "Meaningful reporting in substance use prevention: Bi-directional data collection and reporting meeting the needs of community partners and funding sources."

Toho Soma, M.P.H., senior research associate for CEPH; Doreen Fournier, M.S.W., program manager of Maine Substance Use Prevention Services; Rebecca Ireland, PS-C, program coordinator for CEPH; and Lu'Ann Thibeau of CEPH, also contributed to the work.

Soma; Titilola Balogun, M.B.B.S., M.P.H., Dr.PH., assistant director of Public Health Practice for GPPH; Liam O'Brien, Ph.D., GPPH adjunct

set-up a small studio and introduced Emily to a software program called Dragon Frame. She then began the laborious process of putting together short videos.

"With 150 frames, you're moving objects 150 times," she explained. "That equals four seconds of video. It took me about three hours to make a four-second video." Not long after creating her first stop animation videos, Emily began producing some for a company based in Kittery during an internship. "It opened up this whole other world of possibilities for me as far as a career goes," Ferrick said. "I'm exploring a couple of different options right now. It's nice to know that I have this skill, and I can take it with me after college."

Ferrick's success has Habraken taking a fresh look at his documentary video class. "Next year when I teach that class we'll look at how we can put shorts together that can still tell the stories and also be visually effective," he explained. "We'll teach the students to be a little quicker on their feet and produce small, clever pieces."



faculty and associate professor of statistics at Colby College; Tiffany Corvino, B.S. '18 (Public Health); and Reid Plimpton, M.P.H., formerly of the Maine Center for Disease Control and Prevention, presented a poster, titled "Substance use behaviors among Maine high school students: Do parents' perceptions matter?", which summarized secondary data analysis from the 2017 Maine Integrated Youth Health Survey.

They found that negative parental perceptions of drug and alcohol use were not enough to deter substance use among high school students, and therefore health interventions should incorporate educating parents on how to set clear rules about drug and alcohol use. The findings are preliminary, and further research is needed to investigate how the transition from perception to rule-setting around substance use impacts behavior.

The work was funded by a mini grant from UNE's Office of Sponsored Programs.

GEORGE AND BARBARA BUSH DISTINGUISHED LECTURE SERIES



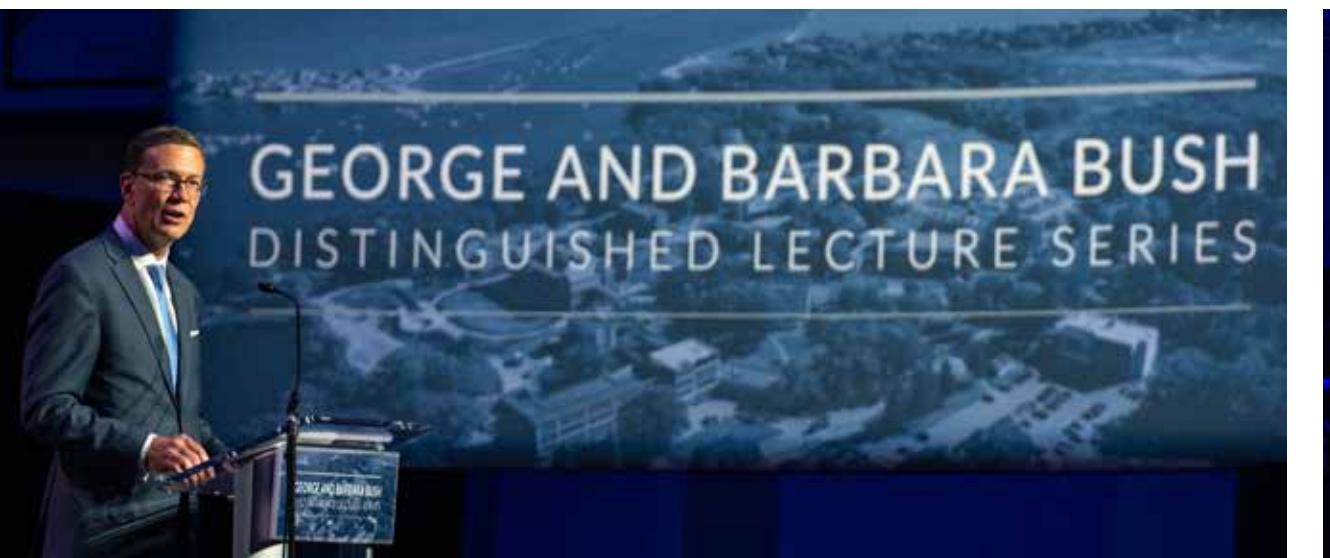
A 30TH ANNIVERSARY CELEBRATION OF
PRESIDENT BUSH'S EDUCATION SUMMIT
FEATURING PRESIDENT BILL CLINTON
AND GOVERNOR JEB BUSH

Moderated by Harvard University Professor
Roger B. Porter

On September 27, more than a thousand people assembled in UNE's Harold Alfond Forum to witness President Bill Clinton and former Governor Jeb Bush participate in a moderated discussion in commemoration of the 30th anniversary of President George H.W. Bush's Education Summit, held at the University of Virginia in 1989. As UNE President James Herbert noted in his welcoming remarks, "This work brought data and research at long last into the process of creating education policy."

The UNE event, which served as the University's 10th annual George and Barbara Bush Distinguished Lecture, was made possible through a partnership with the George & Barbara Bush Foundation and through the generosity of Peter and Ros Whalon. The audience was composed of students, faculty, professional staff, members of the public, and special guests, including Maine Governor Janet Mills and former Maine Governor John Baldacci. Roger B. Porter, IBM Professor of Business and Government at Harvard University's Kennedy School and former assistant to the president for economic and domestic policy under George H.W. Bush, served as the event moderator.

Clockwise from left: Moderator Roger B. Porter (left) with President Bill Clinton and former Florida Governor Jeb Bush; Bill Clinton; Maine's Governor Janet Mills; the overflow crowd at the Alfond Forum; UNE President James Herbert introduces the speakers.



MCARTHUR GYMNASIUM, ABPLANALP LIBRARY

by Roberta (Bobby) Gray, M.L.S., HA '00, UNE Research and Teaching Librarian

MCARTHUR GYMNASIUM was built in 1900 by the prominent Maine architect Francis Fassett (1823-1908), whose "handsome and commodious" design combined the round forms of Romanesque architecture with the angular shapes of Gothic. Influenced by Maine's shipbuilding industry, Fassett designed the gymnasium's support structure and beams to resemble the ribbing inside the hull of a wooden boat.

McArthur Gymnasium was named in honor of Biddeford businessman and philanthropist Robert McArthur (1838-1914) who supplied the funds for its construction. Upon completion it was hailed for providing "ample opportunity for exercise and recreation even in cold or stormy weather."

Early 1900 Westbrook Seminary Catalogues expounded upon the benefits of "physical culture" and boasted that "the Gymnasium is under the direction of those who have made a careful study of physical training; no effort is spared to secure the best results possible." Catalogues further proclaimed that "the young women of the Seminary enjoy the privileges of the Gymnasium a part of each day."

McArthur Gymnasium served as an athletic facility for eighty-five years, and its student athletes brought distinction to themselves and to the campus.

In 1986 the gymnasium was renovated and redesigned and, with new construction, became the **JOSEPHINE S. ABPLANALP LIBRARY** when the husband of 1945 Westbrook Junior College alumna Josephine Sloboda Abplanalp donated funds for its conversion from gym to library. Robert Abplanalp was a mechanical engineer and inventor who had turned a new type of aerosol valve into an international business and a personal fortune.

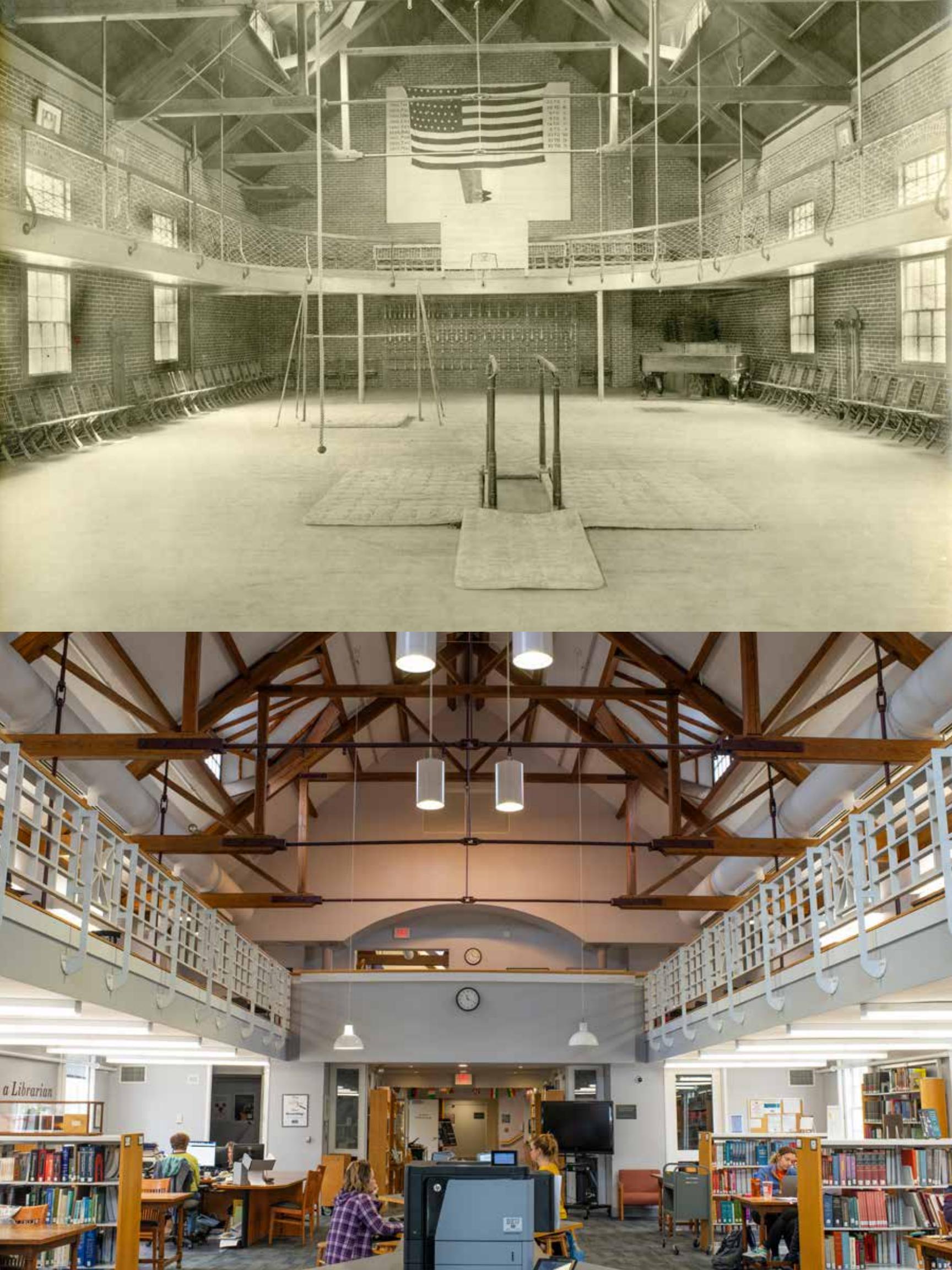
The Abplanalp Library was featured in *Architecture* magazine and awarded a Greater Portland Landmarks citation. Additional renovations were made to the Library in 2001 and in 2016.

As a part of the Westbrook College Historic District and elected to the National Register of Historic Places in 1977, the exterior of the building has remained the same since its construction in 1900. Its interior, however, in both function and form, has changed dramatically within the last 120 years.

THEN it was home to beauty and brawn. **NOW** it is home to brain and beauty. ■

Top photo: During the junior college years, Westbrook students had numerous sports from which to choose to fulfill their physical education requirement. Fencing utilized McArthur Gymnasium and in the 1960s was coached by Jean Miller.

Bottom photos: In the summer of 1937, a snack bar was set up in the gymnasium basement. Known as the "caf," it had its own entrance and was adjacent a space called a "smoker" by students and a "rec room" by the president.





FIFTEEN MINUTES WITH... ALETHEA CARIDDI

Interview by Jennie Aranovitch

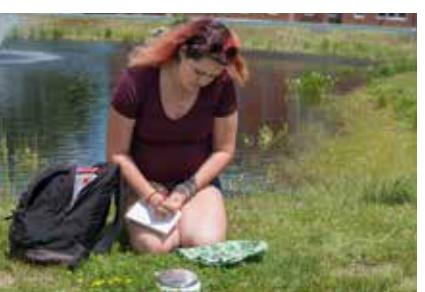
Alethea Cariddi, M.S.Ed., is UNE's Sustainability Coordinator, well known around campus for her pragmatism in addressing costs associated with conservation initiatives and for finding creative funding and logistical solutions to institutional sustainability challenges.

WHAT PATH DID YOU TAKE TO BECOMING UNE'S SUSTAINABILITY COORDINATOR?

It was a perfect marriage of my education and my lifestyle. My undergrad degree was in biology and environmental science, and I have a master's in education. But I also really got interested in local agriculture and started a small farm when my kids were very small. I'm also very much interested in energy and energy efficiency and trying to have as small of a footprint as possible. So applying those passions and those interests and combining it with my education and experience just felt like the perfect fit.

WHAT DOES UNE'S SUSTAINABILITY COORDINATOR DO? AND WHAT DO YOU LIKE MOST ABOUT YOUR JOB?

I oftentimes tell people that I'm a jack of all trades. One thing I do is manage UNE's carbon footprint. I collect data, and, once a year, I put it through a campus carbon calculator and determine what our carbon footprint is for the University. I also manage the recycling program



and our recycling staff. I work with a team of ECO reps who are peer educators. I have done a lot of grant writing to help the University leverage external funds for energy efficiency projects. I work with several different councils on campus. The Environmental Council is focused very much on campus sustainability, and the Planetary Health Council is more focused on curriculum, research, and scholarship, looking at the intersection between human and environmental health. And I've done many projects and have gotten involved in initiatives through both of those groups.

One of the best things about my job is that you never know what you're going to be doing from day to day. One day I could literally be presenting to the [UNE] Board of Trustees, and the next day I could be digging in a garden with students and hauling recycling bins. It's extremely varied – which is one reason why I love it, actually.

WHAT ARE SOME OF THE SPECIFIC INITIATIVES THAT YOU'VE BEEN INVOLVED IN?

Reducing our dependence on bottled water is something that the Sustainability Office pushed for. I also helped out with the Mosquito Control Project on campus. Transportation has been huge – trying to figure out how to get people to campus through public and other alternative forms of transportation. I've been involved in the creation of on-campus gardens and the Edible Campus Initiative, which I'm really, really fond of because of my affinity for local agriculture. We've done a lot with our recycling program, and we've added a composting program too.

YOU HAVE WORKED IN UNE'S SUSTAINABILITY OFFICE FOR 11 YEARS. HAVE YOU NOTICED A SHIFT OVER THE YEARS IN PEOPLE'S ATTITUDES ON CAMPUS ABOUT THE ENVIRONMENT?

Definitely. There has been a growth in support among students, administration, faculty, professional staff – really across the board. I think that results from the fact that we're in a time when people around the globe are really feeling the effects of climate change, and the media is doing a much better job talking about it. I also think people are recognizing that it's less about our care for nature for nature's intrinsic value and more about our investment in humanity's future. It's really about the fact that we need to care for the planet because if we don't, then we're doomed as a species.

IS THERE REASON TO FEEL OPTIMISTIC ABOUT THE ENVIRONMENT?

I will be honest and say that in this day and age, it is challenging to feel optimistic because there have been so many anti-environmental pieces of legislation and practices and policies that have been put in place in the last couple of years. But what I am optimistic about is that the private sector has really stepped up where our government has failed.

WHAT SORT OF FUTURE ACTIVITIES IN SUPPORT OF SUSTAINABILITY WOULD YOU LIKE TO SEE UNE BECOME INVOLVED IN?

One thing I'm looking forward to is the University getting to a place where we can start producing more of our own electricity. Having more energy independence would be an investment in our future economically as well. It's sometimes a large capital investment upfront, but in the long run it pays for itself many times over.

DO YOU THINK THAT IT'S PARTICULARLY IMPORTANT FOR COLLEGES AND UNIVERSITIES – PERHAPS MORE SO THAN OTHER ORGANIZATIONS – TO DEVOTE RESOURCES TO SUSTAINABILITY?

Universities are really unique places in that they're usually small cities unto themselves where they have wastewater treatment plants and central heating plants, or they're generating their own power. And then they have something that cities don't have, which is a whole research and development aspect to them. So innovation is always happening.

And I also think that college and university administrations recognize that they have a moral obligation to train up the next generation to be mindful about their environmental footprint. ■

Opposite page: Campus sustainability initiatives (from top): Solar panels on the Bishop St. Parking Lot shelter; Bird-banding outside Sokokis residence hall; Electric car charging station in the Alfond Forum lot.

Above and below: Maine blueberries, part of the Edible Campus Initiative; Students go dumpster diving as part of a "waste characterization" study, a component of a joint lab between two Environmental Science classes.





CLIMATE CHANGE

AND THE GULF OF MAINE

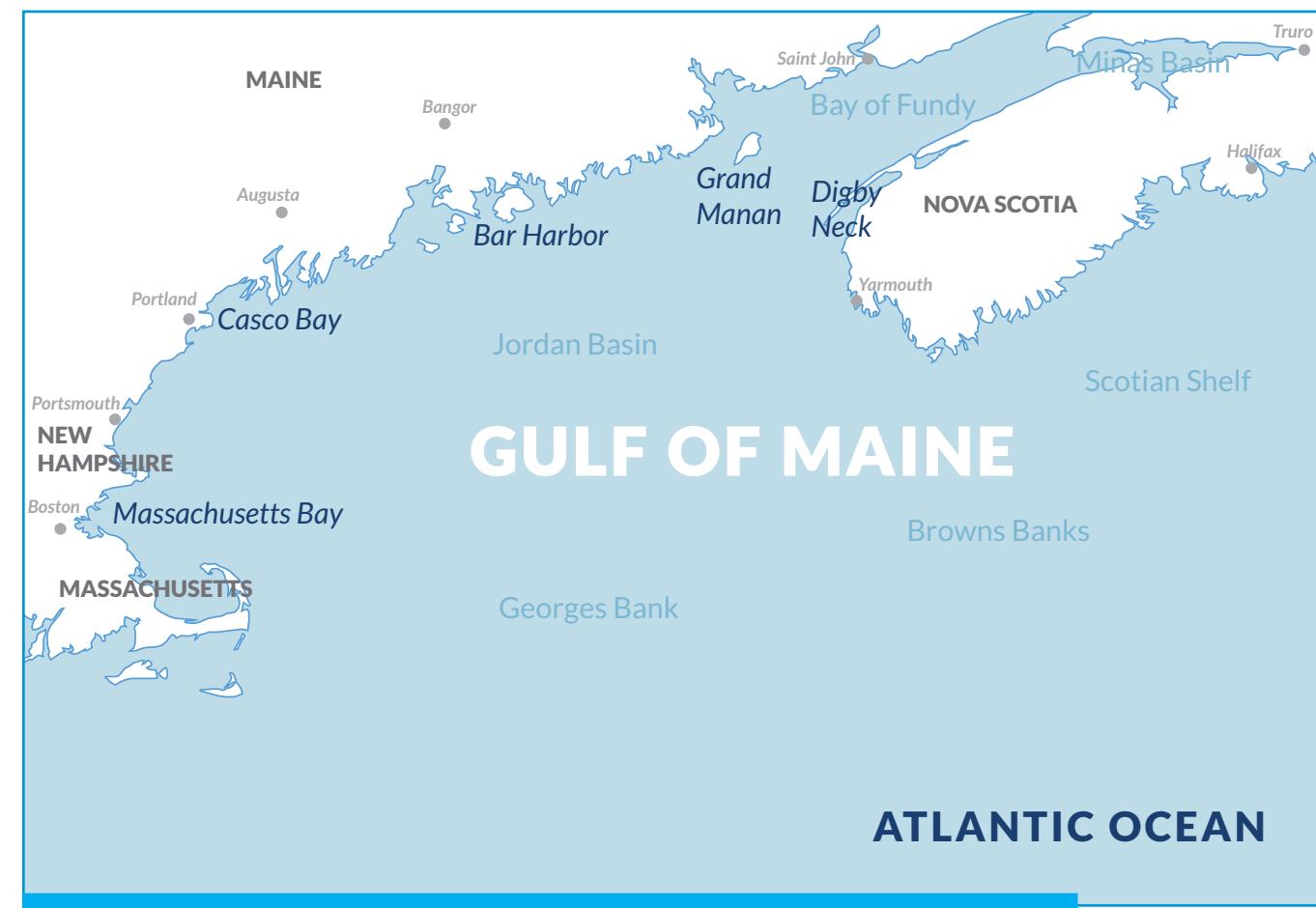
BY PHILIP SHELLEY

*With additional reporting by Sarah Delage,
Christopher Rose, and Daniel Lambert*

ON AUGUST 8, 2019, THE UNITED NATIONS INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE CULMINATED A WEEK-LONG SUMMIT IN GENEVA WITH THE RELEASE OF A SPECIAL REPORT ON LAND USE THAT CALLED FOR DRASIC CHANGES TO CURRENT AGRICULTURAL PRACTICES AND THE HUMAN DIET (ESPECIALLY MOVING TOWARDS A MORE PLANT-CENTERED DIET) IN ORDER TO MITIGATE THE MOST CATASTROPHIC FUTURE EFFECTS OF GLOBAL WARMING. THE FOLLOWING DAY, AUGUST 9, THE NEW YORK TIMES PUBLISHED A FEATURE STORY WITH THE TITLE "WHAT WORRIES ICELAND? A WORLD WITHOUT ICE. IT IS PREPARING." ACCCOMPANIED BY GORGEOUS PHOTOS OF WINDSWEPT VOLCANIC GROUND NEWLY UNCOVERED BY THE RAPIDLY RECEDING GLACIER, THE ARTICLE DETAILED THE FRANTIC EFFORTS OF THE ICELANDIC GOVERNMENT TO MUSTER A COHERENT AND EFFECTIVE RESPONSE TO UNPRECEDENTED ENVIRONMENTAL CHANGES THAT ARE IMPACTING EVERY ASPECT OF LIFE IN THE TINY ARCTIC NATION – FROM ECONOMY TO FOOD SUPPLY TO INFRASTRUCTURE.

STORIES ABOUT CLIMATE CHANGE ARE BECOMING MORE COMMON AND MORE MAINSTREAM, MOVING ONTO OUR FRONT PAGES AS THEY BECOME AN UNDENIABLE ASPECT OF MORE AND MORE PEOPLE'S LIVED EXPERIENCE. AS REPORTED IN A WASHINGTON POST SPECIAL FEATURE THIS PAST JANUARY, "GONE IN A GENERATION," CLIMATE CHANGE IS NO LONGER SOME ABSTRACT FUTURE MENACE: "ACROSS AMERICA," SCREAMS THE HEADLINE, "CLIMATE CHANGE IS ALREADY DISRUPTING LIVES."

FOR COASTAL MAINERS, THAT DISRUPTION, BOTH ACTUAL AND POTENTIAL, IS ALREADY HITTING CLOSE TO HOME, PROFOUNDLY AFFECTING SUCH KEY AREAS AS FISHERIES (INCLUDING THE STATE'S ALL-IMPORTANT LOBSTER FISHERY), AGRICULTURE, WATERFRONT DEVELOPMENT, AND BOTH WINTER AND SUMMER TOURISM. THIS IS DUE IN PART TO THE FACT THAT THE GULF OF MAINE, THE 36,000 SQUARE MILES OF RELATIVELY ENCLOSED OCEAN STRETCHING FROM CAPE COD TO NOVA SCOTIA, IS WARMING FASTER THAN 99% OF THE WORLD'S OCEANS.



A LIVING LABORATORY

With the Gulf of Maine lapping up literally against UNE's doorstep, this means that, for better or worse, UNE students and faculty are perfectly situated to study the causes and effects of climate change and to help devise solutions – scientific, political, and social – and to help facilitate constructive responses to mitigate potentially harmful effects both here in Maine and around the world.

"The Gulf of Maine is a test bed for what's going to happen over the next 40 to 50 years, all throughout the world's oceans," says Charles Tilburg, Ph.D., director of the School of Marine Programs at UNE.

"We're lucky at UNE because we are right on the coast, and it is basically a living laboratory for our students," says Pamela Morgan, Ph.D., a professor in UNE's Department of Environmental Studies. "Right here in our backyard, we have the habitats that are being impacted, and we can look at some of the solutions we could potentially create for dealing with some of these impacts. So this is a great place for students who want to learn about climate change – not just about all the bad things that are going to happen, but what we can do about it."

"The Gulf of Maine is a test bed for what's going to happen over the next 40 to 50 years, all throughout the world's oceans."

— Charles Tilburg

CHARLES TILBURG AND THE RAPIDLY WARMING GULF OF MAINE

"2012 was one of the warmest years ever recorded for the Gulf of Maine," says Tilburg. That temperature spike alerted climate scientists to just how critical the problem was. "We knew it was going fast," says Tilburg, "but we had no idea that it was warming as fast as it was."

From 1982 to 2012 the Gulf of Maine was warming at a rate of about 0.03 degrees Celsius per year, which is a little bit higher than the rest of the world's oceans but not significantly higher. But since 2004 the Gulf has been warming at four or five times that rate, about 0.23 degrees Celsius per year, which means that over the past 15 years, the average temperature has risen over three degrees Celsius.

Tilburg puts that increase in perspective. "Sometimes people say, 'Three degrees Celsius, what's the big deal?' But we're talking about the annual average. And to put that in perspective, 20,000 years ago, the average temperature where we are was about five degrees Celsius colder than it is now." He laughs. "There was a mile-thick slab of ice where we are. So, when we're talking averages, that masks huge variations."



Charles Tilburg (right) with student Andrew Robinson (Marine Sciences – Oceanography, '20), examining the connection between the Saco River and waters within Biddeford Pool.

THE GULF OF MAINE IS LIKE A BATHTUB

The factors behind the rapid warming are many and various – as Tilburg says, "It's the perfect storm." The Gulf of Maine is relatively shallow, which means it absorbs atmospheric heat more quickly than most of the rest of the ocean (think of a wading pool in the sun). It also is fed by over 60 rivers, which warm faster than oceans, so watershed drainage dumps even more warm water into the Gulf. The Gulf of Maine is also partially enclosed by the Georges Bank, which blocks it from being completely open to the cold waters of the North Atlantic.

"Think of it as kind of like a bathtub," says Tilburg. "And the temperature in this bathtub is being governed by heat from above, but also warm water and cold water flowing in. The hot-water faucet is the rivers and everything else. The cold-water faucet is the Labrador Current, which originates in the Labrador Sea and flows down along Newfoundland and Nova Scotia and enters the Gulf of Maine through the northeast channel. The Labrador Current also pushes the Gulf Stream current away, which is really warm water."

But climate change – particularly Arctic warming – is beginning to influence the network of ocean currents, slowing and weakening longstanding cycles of warming and cooling that dictate patterns of water flow around the globe. "Since the early 2000s, the Labrador current has been getting weaker," explains Tilburg, "so we're getting less cold water coming into the Gulf of Maine. At the same time, the Gulf Stream has been moving north, and we're getting more warm water into the Gulf of Maine. Basically, we're turning down the cold faucet, and we're turning up the hot faucet – it's no wonder the Gulf of Maine is getting warmer."

PETER SLOVINSKY AND THE DANGERS OF RISING SEA LEVELS

Peter Slovinsky, a coastal geologist with the Maine Geological Survey and the Department of Agriculture Conservation and Forestry, has found that sea level is rising in the Gulf of Maine at about the same rate it is rising in the global oceans. Over the past century or so, that rate has averaged about 1.8 millimeters per year, for a total of between seven and eight inches in the state of Maine. But, says Slovinsky, "Over the last two to three decades, we've been seeing a doubling of that rate, to roughly 3.2 millimeters per year."

That doubling is exacerbated in the Gulf of Maine by the slowing of the Gulf Stream current (caused by warmer ambient waters surrounding it) and the behavior of the North Atlantic Oscillation (an atmospheric weather phenomenon that affects the strength and direction of westerly winds over the Atlantic Ocean), both of which are currently causing ocean water to, in Slovinsky's words, "slosh up" against the East Coast of the United States.

These trends are already affecting waterfront communities such as Portland — Maine's largest city. Going back to 1912, Portland has experienced tides exceeding the known flood stage of 12 feet at an average rate of about six times a year. That average has now increased to about 10 times per year and is projected to continue rising.

PROTECT, ADAPT OR RETREAT

"In one analysis we did," says Slovinsky, "we simply added about a foot of sea-level rise, which is certainly expected by the year 2050 based on the latest models. That flood frequency of eight to 10 times per year jumps to between 60 and 70 times per year. That's basically a tenfold increase in terms of the frequency of flood events that are occurring in Portland. Once it becomes that frequent, that's no longer just what we consider a nuisance. If it's daily, you have to respond to that. Otherwise the affected areas become unusable. Your options are, basically, protect, adapt, or retreat."



Although the gears of federal and state government sometimes grind with agonizing slowness, many coastal municipalities have been impressively nimble in crafting climate change plans. "Belfast is developing a plan," says Slovinsky. "Portland and South Portland are currently working on a joint climate action plan, and, as far as I know, they're the only two cities in the country working together like that." The climate response plans include such things as revised ordinances relating to freeboard [in which a structure's lowest floor must be built or raised a certain number of feet above the minimum base flood elevation] and floodplain development, in addition to developing basic language in their comprehensive planning that relates to climate change and sea-level rise.

Portland and South Portland both rely on critical waterfront infrastructure that is already on the verge of flooding — from shops, restaurants, and hotels on Commercial Street to oil storage tanks off Bug Light. "That infrastructure depends on being on the water, and it has to become more resilient if we want it to stay there. The cities have committed monetary resources, and they've convened a group of experts to look at everything from energy use to adapting our existing infrastructure. So, there are things we can do, and we have a great example happening right here."

PAM MORGAN AND THE LOSS OF COASTAL BUFFER ZONES

"Certainly, along the coast, we're looking at sea-level rise projections that are very frightening," says Morgan. "I have two children, and my biggest concern is 'What is the world going to be like when they are adults?' Because the predictions right now are not looking so good."

Morgan, who studies the marshes around the Gulf of Maine and the Saco River Estuary, explains that rising sea levels put the very existence of the marshes at risk — which is bad news for a multitude of reasons. Marshes act as natural water filters and provide a habitat for fish and birds and other wildlife; they are nursery grounds for fish species that are commercially and recreationally important; and they serve as buffers between the ocean and the upland area, mitigating wave and wind impact during storms. Perhaps most crucially, marshes absorb

carbon dioxide from the atmosphere (the focus of Morgan's current research), something they do better than any other type of habitat — even forests.

HIGH TIDE ON CAMPUS

Interestingly, scientists have shown that marshes, historically, have responded to rises in sea level by increasing their own in elevation, mainly by trapping sediments. But, unfortunately, sea level now is rising too quickly for marshes to keep up. Morgan cites a recent study that investigated salt water marshes around the world. "The study found that by 2100, in the best-case scenario for sea level rise, we will lose 60% of our coastal marshes," she warns. "That's the best-case scenario. If we do nothing about taking greenhouse gases out of the atmosphere, we will lose 90% of our coastal marshes. That's catastrophic, not just for wildlife, but it's also catastrophic for humans because people who live adjacent to these marshes aren't going to have that coastal buffer anymore. You're just going to have those waves crashing up against your property."

Morgan warns that she could easily see currently inhabited sections of coastal Maine underwater in the not-so-distant future — including parts of UNE's Biddeford Campus. "My students and I took surveying equipment and went out along the Saco River, over by the kiosk," relates Morgan. "We were asking, with different sea-level rise scenarios,

where would the edge of the water be? And it turns out, the new sea level moves up pretty close to the Commons lawn. And that's not counting storm events when there's a lot more water coming through. So yes, it will impact us right here on campus."

MARKUS FREDERICH AND THE GREEN CRAB INVASION

Another UNE scientist conducting research in the Gulf of Maine is Markus Frederich, a professor in the School of Marine Programs. Frederich studies the physiology of marine invertebrates and is currently focusing on invasive species.

"Climate change is affecting everything," says Frederich. "Basic biology is affected by temperature, and climate change is all about temperature. Therefore, every single living thing is affected by increasing temperatures."

Native species in the Gulf of Maine have adapted over long periods of time to thrive within a certain temperature range. When the temperature increases, the environmental conditions to which they are adapted are suddenly gone. Frederich's research looks for markers at the molecular or cellular level that can help explain why some animals are more tolerant of warmer temperatures than others. The research will allow biologists to better predict which animals will be affected by climate change.



"Some species respond easily to environmental changes, and they have no problems," says Frederich. But for many species, warmer waters are completely inhospitable. "It takes only a single hot day to wipe out some of those critters," he continues. "So, it's not only the average temperature increasing, but also the oscillation around that average. Therefore, if it gets too hot for a few days this summer, that might be the end of a certain species in this area."



Aggressive green crabs

GOODBYE, LOBSTERS?

Significant species migration due to climate change is already occurring in the Gulf of Maine. "The textbook example is cod," says Frederich, "which are basically gone from the Gulf of Maine; while up in Iceland, they're catching a ton of cod right now." And while Maine's state-defining lobster fishery is currently considered healthy, warming has sent lobsters scurrying both northward and further out to sea in search of colder water. As a result, lobstering is mostly a thing of the past in Southern New England, and, as the Gulf continues to warm, there is a possibility that the lobsters could eventually migrate beyond the reach of Maine's lobstermen and women.

At the same time, warm-water species are moving rapidly into the Gulf of Maine. "Lobstermen in Maine frequently report catching blue crabs in their traps," says Frederich. "Even seahorses, black sea bass — all these warm-water species are being found more and more frequently now."

WINNERS AND LOSERS

"When people talk about climate change," he elaborates, "they always talk about how everything will die or everything will be terrible. It's actually much more complicated because there will be winners, and there will be losers with climate change." And in the Gulf of Maine? Frederich delivers the bad news: "Turns out most of our native species are on the side of the losers, and they don't do so well with climate change. Lots of the invasive species, they are on the winners' side."

Right now, the winners include the Gulf's exploding green crab population. "They eat all the juvenile soft-shell clams and whatever juvenile critters they can find," explains Frederich, "and severely impact the whole ecosystem by eradicating soft-shell clam fisheries."

Even more rapacious are the green crabs found in Nova Scotia, which are a hybrid of the Maine green crabs and a species invasive to Canada. "We've seen them literally jumping out of the water at us," he continues. "It's level of aggression that I've never seen before. If we think we have a green crab problem now, once those Canadian green crabs move into our area, it'll be much more emphasized."

SUSAN FARADY AND THE POLICY LAG

Susan Farady, J.D., is an assistant professor of marine affairs, who teaches interdisciplinary courses on marine law and policy. She sees climate change undermining the entire scientific basis of marine governance and regulation. "All of the laws that are responsible for how we manage our natural resources are premised on the fact that we have good science and a pretty stable system," says Farady. "We plug in the data and crank out results, right? Here's how many fish you can pull out. Here's how the Saco is going to stay sustainable over X number of years..."

But now? "The thing that I tell my students is that history is getting less and less relevant and geography is getting less and less important," says Farady. As climate-change effects increase, marine species migrate in unpredictable and unstable patterns, making fisheries management more and more of a crapshoot. "Our management system for fisheries isn't nimble enough to respond to such rapid change," she says.

SYSTEM VS. REALITY: NOT A GREAT FIT

The regional councils that manage commercial fisheries in federal waters are divided mostly along previously stable ecosystem boundaries and rely on past activity and stock assessments to make accurate predictions moving forward to guide policy decisions. As those boundaries and assessments lose their validity, it could throw the management system into chaos.

"We have species of squid that have migrated and are now landed almost entirely by the Rhode Island fleet, but they're still managed by the Mid-Atlantic Council," says Farady. "Rhode Island isn't part of that council. Is that shift forever or is it a few years? We have no idea. That's an example of where the geography doesn't fit what's going on with the system. The analogy I like to think of is the stepsister trying to get her foot in a glass slipper. It's just not a great fit, and it's only going to become a harder fit in the future."

THE INSURANCE BAROMETER

Faraday decries the fact that there is very little work being done to address climate change at the federal level. But like Peter Slovinsky, she is quick to point to activity at the state and local level.

"I'm driving downtown in Portland," says Farady, "and I'm seeing all of that infrastructure being built so close to the water, and I know J's Oyster [a popular waterfront restaurant] is flooding all the time. Are we thinking about higher buildings, more resilient buildings, and not putting the boiler in the basement?"

Farady believes that it is only a matter of time until financial considerations force all coastal communities to seriously plan around potential flood events and other climate-change impacts. "I think one thing that's going to start happening is that insurance and property value is going to start to drive behavior," she says. "I think the question is whether we're smart enough to get ahead of those trends. Because at some point, after two or three or four catastrophic losses in a coastal community, an insurer is not going to be willing to insure properties for a price that people are willing to pay."

MEAGHAN DALY AND THE SOCIETAL IMPACT

Or a price that everyone is able pay. That's where social scientist Meaghan Daly, an assistant professor in the Department of Environmental Studies, comes in. Daly explains that climate change is what social scientists call a "threat multiplier" in that it takes existing social, political, and economic challenges and exacerbates them. "There's a really important element of social justice that's wrapped up in climate change," says Daly. "As many have pointed out, people who are already most vulnerable — socially, economically — are going to have the most difficulty responding to climate change. Which means, as researchers and as policymakers, it's really up to us to figure out how can we level the playing field."

WHO BENEFITS FROM AQUACULTURE?

Daly's current research project looks at the intersection of aquaculture and climate change in Maine. As the state's coastal communities and fisheries (including the lobster fishery) are challenged by many different factors, including climate change, aquaculture has been offered as a potential option to provide a diversified livelihood strategy or a new livelihood altogether for Mainers who have traditionally made their living from the Gulf. Among the questions Daly's team considers are, "Who are the people who are able to undertake aquaculture here in Maine?" and "Who is benefiting from that transition?"

"...people who are already most vulnerable — socially, economically — are going to have the most difficulty responding to climate change."

— Meaghan Daly

BY THE NUMBERS

0.23° PER YEAR

THE ANNUAL RATE OF WARMING IN THE GULF SINCE 2012, higher than 99% of the world's oceans. The result? The average annual temperature of the Gulf is now **3° CELSIUS HIGHER THAN IT WAS IN 2004**.

10 TIMES

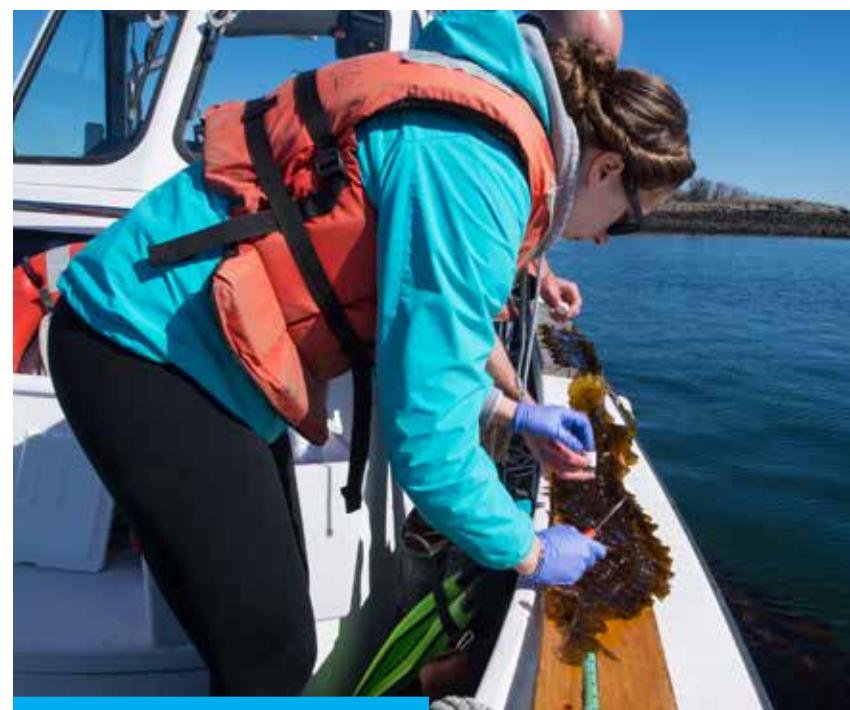
THE ANNUAL NUMBER OF TIDES EXCEEDING PORTLAND'S KNOWN FLOOD STAGE OF 12'. Since 1912, Portland experienced such tides an average of six times per year. That frequency has nearly doubled, and **ANNUAL FLOOD-TIDE FREQUENCIES OF 60 TO 70 TIMES PER YEAR ARE PREDICTED BY 2050**.

3.2 MILLIMETERS

THE CURRENT ANNUAL RATE OF SEA-LEVEL RISE IN THE GULF. For most of the 20th century, sea-level in the Gulf rose at a rate of 1.8 mm per year, **BUT OVER THE LAST 20 TO 30 YEARS, THAT RATE HAS DOUBLED**.

73 PERCENT

THE NUMBER OF AMERICANS WHO BELIEVE CLIMATE CHANGE IS HAPPENING IN 2018, an increase of 10% since 2015. More Americans are "somewhat worried" (69%) or "very worried" (29%) than at any time **SINCE POLLING BEGAN IN 2008**.



"There are many reasons why aquaculture would be appealing to displaced lobstermen and women," says Daly. "It enables them to stay on the water and remain in communities where they have homes." But the transition can also present a set of challenges. "They are used to being out on the water, and they don't really see themselves as farmers, per se, so there is a change in their identity and a change in how they approach their work." There are also economic and regulatory barriers, such as obtaining necessary permits, and getting through the leasing process can take time. "We can help people who are interested in aquaculture," says Daly, "so they can navigate those challenges more effectively."

"A lot of our fishermen and fisherwomen here in Maine are owner-operators," she explains. "As small businesses, they may not have as many resources to do research as larger corporations or larger businesses have when setting up aquaculture projects." But that doesn't mean that lobstermen and women don't have a wealth of valuable firsthand knowledge to bring to the table, and much of Daly's work involves fostering communication among different stakeholders who may not always trust one another.

ESTABLISHING COLLABORATIVE KNOWLEDGE PROCESSES

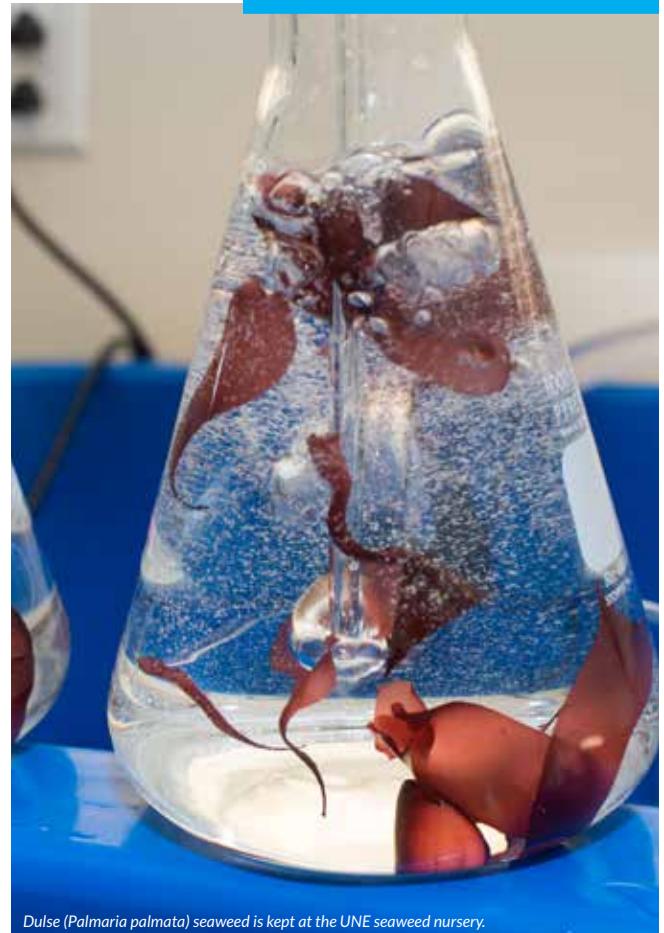
"There are a lot of challenges in getting people to engage in these collaborative knowledge processes," she says. "First of all, it's just time consuming. But more fundamentally, there are differences or imbalances in power. A lot of average citizens are intimidated by researchers or scientists. They may think, 'Well, those are the experts. What do I know?' What we focus on is enabling those citizens, whether it's, for example, fishermen or coastal property owners, to recognize that they actually have a lot of valuable knowledge that can contribute to these processes."

The processes require time and trust on all sides, but when they work, they can open up genuinely fresh perspectives on entrenched problems. "People start to speak the same language, they start to understand each other, and they start to recognize that those other people in the room aren't a threat," says Daly. "They're actually partners who can help each other solve those problems. And that's really, really valuable when we're talking about how to manage some of the really large societal challenges that we're going to see with climate change."

OVERCOMING CLIMATE-CHANGE DENIAL

One of the larger societal challenges is simple denial: many people refuse to accept climate-change science as fact, and even those who do accept the evidence, intellectually, may not be sufficiently motivated to alter their behavior. Daly is sympathetic. "Addressing climate change requires some really deep changes in how we live, and that can threaten people's values," she says. "That can threaten their identities and threaten their livelihoods. So, it makes sense that people are resistant to having those conversations."

This poses a challenge for social scientists. "As researchers," she continues, "we need better ways of communicating and connecting to help people understand that climate change isn't just a far-away problem, and it



Dulse (*Palmaria palmata*) seaweed is kept at the UNE seaweed nursery.

isn't something that they can ignore. Because the livelihoods and wellbeing they currently enjoy are directly threatened."

JAMES HERBERT AND THE PSYCHOLOGICAL PRINCIPLES UNDERLYING DENIAL

UNE President James Herbert, a clinical psychologist with a research background in cognitive behavior therapy, shared some insights about the psychology underlying climate-change denial. "Well, for one thing," says Herbert, "we tend to think in terms of our own lifetimes: 'How is this going to affect me?' And then, as you get older, if you have kids, you start to think, 'How is this going to affect my kids?' Eventually, you might think, 'How's it going to affect my grandkids?' But very few people think about their great, great, great grandkids. If I said, 'Think about how this policy is going to affect your great, great, great grandkids, most people would shrug: 'I'll never know them.'"

FUTURE DISCOUNTING

This is called 'future discounting,' a psychological principle that Herbert describes as "a very natural human phenomenon whereby we put much more emphasis on shorter term effects than we do longer term effects." What makes climate change such a difficult problem for us to wrap our

minds around is that continuing current practices, such as status quo fossil fuel use, brings great short-term benefits, while the consequences of those practices will be mostly felt in the long term. And, Herbert points out, "We need to make sacrifices today, but people who are going to be benefiting from those sacrifices are mostly going to be those future generations."

"We are selectively attuned to data that fit our preexisting beliefs, and conversely, we tend to ignore data that don't."

— James Herbert

DIFFUSION OF RESPONSIBILITY AND MOTIVATED REASONING

Herbert mentions several other factors influencing the denial mindset. One is "diffusion of responsibility," the widespread belief that the actions of a single person can't make a difference. Another is "motivated reasoning," which describes the fact that our reasoning is never purely objective — however much we might like to think it is. A common form



Portland's Commercial Street floods during the storm of 2015. (Photo by Bevin McNulty)

of motivated reasoning is "confirmation bias," which describes how incoming data is filtered according to existing beliefs and biases. "We are selectively attuned to data that fit our preexisting beliefs, and conversely, we tend to ignore data that don't," says Herbert. "A person who is disinclined to believe in climate-change will find it easy to maintain that disbelief even in spite of mounting data to the contrary, simply because of the confirmation bias."

Interestingly, research shows that higher intelligence is often correlated with greater cognitive rigidity, which may seem counterintuitive. After all, shouldn't an increase in brain power give a person open-mindedness and flexibility of thought? Herbert explains, "The reason for the rigidity is that the more intelligent a person is, the more equipped they are to construct arguments against a position even when the actual evidence suggests otherwise. Verbal fluency, verbal reasoning, all those things we think of as cognitive assets, can actually work to strengthen cognitive filters, even against overwhelming data to the contrary."

The good news, says Herbert, is that once we identify these psychological phenomena, we can begin to find ways to address them. "For example, with respect to diffusion of responsibility, we can work on building a social environment where people are strongly encouraged or incentivized to take collective action. You make it a community norm to do the right thing."

CHANGING MINDSETS

Encouragement that public mindsets are changing can be found in work done at Yale by Anthony Leiserowitz, a human geographer and director of the Yale Program on Climate Change Communication, which seeks to help leaders communicate more effectively and increase awareness of the risks and opportunities associated with climate change.

In an April 2019 publication, Leiserowitz and his colleagues reported that about seven in 10 Americans think global warming is happening. Daly attributes this positive shift in awareness to increasing personal experience with climate change. "One of the things that the research bears out is that as people are exposed to more extreme weather events, something that they personally experienced, they're much more willing to entertain the notion that climate change is both real and something that they need to address," she says. "It becomes harder and harder to deny."

DAN CHADBOURNE AND THE VIEW FROM THE SACO PIER

A second-generation fisherman and the harbor master for the city of Saco, Dan Chadbourne speaks with a kind of philosophical stoicism, as if climate change wasn't something he wanted to waste a lot of time worrying about, whether it exists or not, since there's nothing he can do about it either way. "I don't have a solution for this problem," he says, "and I'm a solver. I like to be able to fix things. I build things, and I catch things. That's how I make my living. There's seven billion of us on this planet, and this is so much bigger than all of us — we're not going to control this."

Chadbourne reports that most fishermen remain skeptical about climate change. "They don't want to believe it's happening," he says. "We don't really have a lot of information, and there's a lot of bad information around, so who do you believe?" In some cases, what



Dan Chadbourne inspects his catch.

scientists claim and what the fishermen see with their own eyes are not always in alignment. "We have scientists who tell us that cod are almost extinct — you can't even take one recreationally anymore," says Chadbourne. "But I'll catch two in one of my traps in eight feet of water over in Biddeford Pool, so they're not extinct, you know? I think everybody has a certain amount of credibility, and it's just hard to make a decision on it."

STORM SEVERITY AND WARM-WATER SPECIES

Chadbourne has also observed some phenomena consistent with climate change effects. "What I'm noticing," he says, "is that the storms are more intense. A year ago March, we had three huge storms in a row. They actually were hitting the pier and lifting the corners up. That's not common. I remember a few big storms when I was a kid where we'd fill this whole parking lot with tangled ropes and broken traps. But it wasn't common. It happened maybe three times the whole time before I got out of high school. Now it's a regular thing."

"And in my lobster traps," he continues, "I'm catching fish that don't belong here. I'm catching triggerfish that belong in Florida. The first time I caught one, it was like, 'Wow!' you know? But now, I've caught so many of them, it's common. I don't even think about it: I just flip the trap over and dump them out."

When asked if he believed lobsters were migrating north, Chadbourne concurred without hesitation. "Talk to the guys that are selling all their boats and their gear down in New York and Rhode Island — thousands of traps for sale." But the possibility that lobsters might eventually leave the Gulf of Maine doesn't especially worry him.

JET-SKIING THE NORTHWEST PASSAGE

"Nothing really keeps me up at night anymore, which might be an age thing," he laughs. But he does have at least one climate change-related dream. "I'd like to sail through the Northwest Passage before I die. I've read all about [Captain John] Franklin and the Erebus and the Terror [a lost English expedition from 1845], and now they're running cruise ships in the same place. So that right there is proof as far as I'm concerned about climate change because that used to freeze for two or three years at a time, and, I don't know..." He shakes his head. "Now it's open. There were guys running jet skis through that thing a couple of years ago."



The UNE contingent stands proudly with Maine's delegation at the 2019 Arctic Circle Assembly in Reykjavik, Iceland, held this past October.

BARRY COSTA-PIERCE AND THE NEW NORTH

The rapid pace of climate change means that, not just the Northwest Passage, but many regions in the peri-Arctic are (or will soon be) ice-free for the first time in over 2000 years. The term "New North" refers to this transformed landscape and the sudden accessibility of the region's previously unobtainable minerals, oil and gas, and fisheries resources.

"What Maine can do is continue to participate in the international community as a strong voice for bringing sustainable development models to the New North." — Barry Costa-Pierce

EXPLOITATION VS. SUSTAINABILITY

It's something humanity hasn't seen in a long time — the opening of a truly new frontier. It presents a tremendous opportunity, while raising a multitude of ethical questions. "The word 'exploitation' rings in my ears," says Barry Costa-Pierce, director of UNE NORTH: the Institute for

Students in the Professional Science Master's (P.S.M.) in Ocean Food Systems program visit an Arctic char fish farm in Iceland.



An Eimskip container vessel leaves the harbor in Reykjavik, Iceland, on its way to Portland, Maine.

North Atlantic Studies. "The question is 'can we change our human development model of the last few hundred years from one of exploitation to one of sustainability?' Are we on a better pathway towards a future that is more just: socially, ecologically, environmentally? We have to work towards a sustainable-development model that could actually recover the arctic ecosystem and work with indigenous people rather than just going into another cycle of massive exploitation."

Because its location makes Portland's deep-water harbor a gateway to the U.S., and through institutes like UNE NORTH, Maine has an increasingly significant role to play in the development of the New North. "I am so proud of where Maine has come in the last few years in joining the international community," says Costa-Pierce. "I think I've been to the last four Arctic Circle Assemblies in Reykjavik, Iceland, and this year Maine had the largest delegation. We have a real voice, and we have a very diverse voice. So what Maine can do is continue to participate in the international community as a strong voice for bringing sustainable development models to the New North."



REASONS FOR HOPE

AS HE TRAVELS AROUND THE WORLD, IN ASIA AND WORKING CLOSELY WITH UNE NORTH'S NORDIC PARTNERS, COSTA-PIERCE SAYS HE IS HEARTENED BY WHAT HE CHARACTERIZES AS A "PHASE-SHIFT" IN RESOURCE DEVELOPMENT MODELS, AS SUSTAINABLE DEVELOPMENT GOALS ARE INCREASINGLY INTEGRATED INTO JOB TRAINING, HIGHER EDUCATION, AND GOVERNMENT PLANNING AND POLICY. "THAT DIDN'T EXIST EVEN AS RECENTLY AS 10 YEARS AGO," HE SAYS. "THERE ARE CENTERS OF HOPE OUT THERE THAT I THINK CAN HELP LEAD THE WORLD. I HOPE IT DOESN'T TAKE A FEW DISASTERS FOR US TO WAKE UP. AND I HOPE THAT WE DON'T RESPOND TO DISASTERS BY BUILDING MORE WALLS — AND INSTEAD, THAT WE BUILD MORE BRIDGES."

For **CHARLES TILBURG**, there's no choice but to be hopeful because the stakes are so high. "We have to get this right," he says, "and we have our work cut out for us because no one has ever seen anything like this before. There's no model to fall back on." Tilburg takes a scientist's long view of things but expresses the belief that, eventually, human ingenuity will figure out ways to adapt to a planet transformed by global warming. "**I THINK A HUNDRED YEARS FROM NOW, WE WILL HAVE FIGURED OUT HOW TO LIVE WITH THE CHANGES**," he says. "Notice I don't say counteract them — we're not going to counteract them. But we're going to figure out how to live with the changes, and that's why I'm hopeful. His ultimate goal as a scientist?" That's easy," smiles Tilburg. "It's for people to not need climate change scientists like me."

■ **PAM MORGAN** also expresses faith in human ingenuity — but with more reservations. "I am not going to paint a rosy picture," she says. "**I THINK IT'S GOING TO BE CHALLENGING.**" For Morgan, a big part of the problem is governments that refuse to address climate change in ways that are anywhere near commensurate with the severity of the threat. "I believe that as scientists, when we see what's going to happen, and it's based on science and scientific fact, and we know what the implications are, it is our duty — our moral responsibility — to speak out. Because we see what the impacts are going to be on people here in our communities. And so **WE HAVE AN OBLIGATION TO SPEAK OUT AND TO ADVOCATE FOR CHANGE TOWARDS A BETTER FUTURE.** That's what I believe." She pauses, then adds: "You can put that in the magazine."

Like many UNE scientists, **MARKUS FREDERICH** finds hope for the future in his students. "They impress me a lot by really understanding the issue," says Frederich. "They know climate change is real, and they want to make a positive impact. They even select their majors based on where they can make an impact on those big issues. So, they absolutely get it. This is why I have a lot of hope because **THERE IS A GENERATION COMING UP THAT GREW UP WITH CLIMATE CHANGE, THAT UNDERSTANDS CLIMATE CHANGE, AND I THINK THEY WILL BE READY TO TACKLE IT.**"

Action is what triggers hope when **MEAGHAN DALY** ponders climate change. "Hope is a tricky word," says Daly, "because we can have a false sense of hope: somebody else will fix it; somebody will take care of it. It doesn't have to be me. So, what I often talk to my students about is that we need a realistic hope. We need a hope that's attached to a sense of action, right? So we can **GENERATE OUR HOPE FROM TAKING ACTION OUT IN THE WORLD** rather than sitting back and saying, 'Oh yeah, I'm hopeful somebody else will solve this.'

■ Trying to keep things in perspective helps **SUSAN FARADY** maintain hope. "Humans know how to adapt," says Farady. "Some of the most comforting voices for me to hear, related to climate change, are those of the tribal people in the region. Because they say, 'We think seven generations back and seven generations forward; Our ancestors were hunting mammoths out on George's Bank. We've adapted, we know about change, and we have our ancestral history to advise our wisdom going forward.' Again, the pace of change, and what we are doing about it, and all that political, human angst — that's real. It's true. We should think about it. But, I think, also, at another level: **WE'VE GOT YOUTHFUL, RESILIENT, ENERGETIC, PASSIONATE, YOUNG PEOPLE. WE'VE GOT GREAT SCIENCE, AND HUMANS OVER TIME HAVE LEARNED HOW TO BE RESILIENT AND ADAPT.** So..." She laughs ruefully. "That's the best I can do."

"You can see the catch is less," says lobsterman **DAN CHADBOURNE**, standing on the dock at Camp Ellis. "When I was a kid, everything we fished was right in the bay — you could see everybody from here." He gestures out towards the water, making it clear that by "everybody" he means all the fishermen. "And now," he continues, "the lobsters are outside the bay because the water's colder. They're in the deeper water. There's less — there's almost half of what we used to catch. So, there's something to this." By "this" he means "climate change," but it's almost like he'd rather not utter the phrase itself. "As a fisherman, there's almost a point where you don't want to believe it's happening. You just like the status quo. You know: I just want to go out, I want to haul my gear, I want to get what I get, and come home and be a happy guy. But it is what it is. **THE WORLD IS THE WORLD, AND WE HAVE NO CONTROL OVER WHAT MOTHER NATURE'S DOING.**" Chadbourne shrugs. "**WE THINK WE DO, BUT WE DON'T.**" ■

WILL JOHNSON

Area Coordinator at Sokokis Hall

It was mid-May when I first moved here to Maine, and I immediately fell in love with the scenery. During my interview, I had gotten a tour of the area surrounding the Biddeford Campus where I saw places like Freddy Beach, Hills Beach, Fortunes Rocks, and Eastern Point — places that took my breath away. We are surrounded by all of this beauty, and I can relax and meditate and be myself here.

When I first met people at UNE, I repeatedly thought, "Are they really this nice?" Being from Philly, I am used to rude people in the city. During my interview day, I was suspicious because it didn't seem real. I asked, "Wait, are people genuinely this nice?" over and over, and everyone's response was the same: "Yeah, it's a welcoming place."

In my free time, I'm a huge fiction writer and music geek. I like to write my own projects like little books, short stories, or even TV shows, and I'm a big Broadway fan. It's very common for students to hear Broadway show tunes blasting in my room and me singing along. My favorite Broadway has always been *Wicked*, but then I went and saw *Hamilton*, and it was phenomenal. I feel like I'm cheating on *Wicked* now, but it's a toss-up between the two.



UNE PROFESSOR BRINGS INTERPROFESSIONAL EXPERTISE TO WHO POLICY GROUP

By Allison Willard

Dan Mickool (MMEL '13, Ed.D. '17) was recently selected for a 35-member international interprofessional policy group appointed by the World Health Organization (WHO).

Mickool's colleagues span the international spectrum, hailing from Scandinavia, Australia, the U.K., Canada, Mexico, Germany, France, Portugal, and Japan, and include leaders from government, health care, academia, and private practice.

The WHO policy group's goal is to develop standards of collaborative practice that health care professionals can use across continents, health systems, academic settings, and practice settings. This, in turn, will encourage the health workforce to perform better together in teams so that patients across the globe can receive the best possible health care.

This incredible opportunity comes in recognition of Mickool's innovations as faculty and director of UNE's Office of Continuing Pharmacy Education as well as his doctoral work. In UNE's online Doctor of Education in Transformative Learning program, Mickool used the pharmacy courses he teaches as a "laboratory experience" for his dissertation on interprofessional education.

Interprofessional education (IPE), an approach in which health professionals come together to learn about, with, and from each other, has become an increasingly popular health care model due to its potential to encourage collaborative practice, reduce medical errors, and improve patient care.

Mickool's main role in the WHO policy group is to oversee the literature search, as he gained an expert-level familiarity with current research on both the education and the practice sides of IPE through his dissertation research. He'll present his section of the work during the group's 2020 conference in Qatar. "What an opportunity," he says. "I feel very blessed."

Mickool credits his success in no small part to the ubiquity of interprofessionalism at UNE. He notes that UNE offers an open environment in which he can work with all the health professions on campus and points to two IPE champions in particular: First, he says, the new assistant dean for Interprofessional Education, Emily Dornblaser, Pharm.D., is "taking a lot of these concepts and putting them into the curriculum so that year to year, students get IPE."

Second, he cites Shelly Cohen-Conrad, director of the School of Social Work and the newly established Center for Excellence in Collaborative Education, as a big influence. "She lives collaboration in everything that she does," says Mickool. "She fosters an environment in which people can thrive in their personal practice. She sets the stage for people to be successful."

"I am a true believer in interprofessional education," Mickool continues. "Health care is so complex. Any one profession can't provide everything. Patients have improved outcomes when their health care professionals work together in teams and have respectful communications so that all professionals can work at the top of their scope of practice. We learn to respect that each member

"I am a true believer in interprofessional education, health care is so complex. Any one profession can't provide everything. Patients have improved outcomes when their health care professionals work together in teams and have respectful communications"

— Dan Mickool



has a contribution. We want our students to take those lessons and apply them in the real world."

In his office, he points out the many sticky notes attached to one wall that outline his current research project. The notes include reflections from students who have participated in the interprofessional home visit program he co-precepts with colleague Andrea Abrell, D.O. It's great having the various levels of professionals in the same room learning together. It was helpful seeing how we each process information in different ways, says one sticky note. On another: We learn to value all the members on the team for their knowledge.

"Through a survey, we measure if they want to work with other team members from other professions before and after they go on the home visit program," Mickool explains. "There's a marked improvement afterwards. They call it a transformational experience. It's not until they practice IPE in a real setting that it's driven home why they want to practice IPE."

Through his studies and experience, Mickool says he has found that the biggest obstacle and biggest opportunity of IPE is getting its tenets to spread organically. "Challenges aren't that different across the globe. It's not typically a matter of finance or money, it's a matter of human capital — to find people who are trained to work and who are willing to work in that manner."

That's where UNE shines. "UNE has a global presence," notes Mickool. "Just in our pharmacy school, we represent students from many nations — such as Ghana and Cameroon, for example — who will then go and bring these IPE ideas back to practice in their home countries. Things are becoming less siloed and more integrated. It's becoming part of the fabric of health care." ■



ALUMNI SPOTLIGHTS

By Amy Haile and Amber Windler

We talked to UNE alumni whose careers and passions are grounded in the environment – protecting it, serving it, celebrating it, and using it – and asked them to share their stories.

JORDAN TATE, B.S. '15 ▲

(ENVIRONMENTAL SCIENCE, COLLEGE OF ARTS AND SCIENCES) ENVIRONMENTAL ANALYST AT MCFARLAND JOHNSON

Both my academic studies in the Environmental Science program and my work-study time in UNE's Sustainability Office provided me with the knowledge and skills I needed for my career and gave me experience communicating effectively with others about sustainability and the environment.

In addition to my work at McFarland Johnson, I volunteer with my local conservation commission [in Auburn, Maine] to advocate for policies that protect open space, and I provide education to our citizens on topics of conservation. My favorite memories of UNE revolve around my field-based environmental classes, and include bird banding, surveying wetlands, and tracking wildlife in the winter.



ALICIA PEDEMONTI, M.P.H. '15 ▲

(MASTER OF PUBLIC HEALTH, COLLEGE OF GRADUATE AND PROFESSIONAL STUDIES) NEW HAMPSHIRE DEPARTMENT OF AGRICULTURE, MARKETS AND FOOD

In my role at the New Hampshire Department of Agriculture, Markets and Food, I work with livestock and poultry farmers, specifically on disease surveillance and promoting animal husbandry practices that can reduce the environmental footprint. As a member of the National Pork Board, I work on improving sustainability efforts on farms, including more effective manure management and reducing water use and carbon emissions. Farmers



are the original recyclers and environmental stewards! I am proud to be a part of the agriculture industry because of the commitment farmers have to the environment.

I cannot imagine my life without agriculture, both personally and professionally. We live in the woods, surrounded by nature, and my daughter has learned about the importance of taking care of our environment. She knows immediately that food scraps from dinner go into our compost and that we recycle and don't leave trash outside. It is so rewarding to watch the next generation of environmental stewards!

MIK OYLER, B.S. '00 ▼

(SPORTS FITNESS MANAGEMENT/BUSINESS ADMINISTRATION, COLLEGE OF ARTS AND SCIENCES)

MOUNTAIN BIRDWATCH PROGRAM VOLUNTEER

While I have been a wilderness guide, director for both a wilderness therapy program and a therapeutic summer camp, COO for a therapeutic school, and a board member for an adaptive sports program, my most influential experience related to the environment and sustainability has been birding. It's a fantastic, never-ending treasure hunt that has taught me about migration patterns, habitat requirements to support specific species, human impact on critical habitat, and conservation efforts that can benefit and save birds. For nearly 10 years, I have volunteered with the Mountain Birdwatch program through the Vermont Center for Ecostudies, tracking the threatened species of the delicate

alpine habitat in the White Mountains, Green Mountains, and Adirondacks. I currently oversee the Huntington Ravine survey route, a couple of miles below the summit of Mt. Washington. This past year, I was an instructor on Maine Audubon's Hog Island for the Coastal Maine Bird Studies for Teens. Helping young birders expand their knowledge and appreciation for birds and conservation was incredibly rewarding.

I vividly remember my first time touring the UNE campus, exploring the surrounding coastline, and knowing UNE was where I wanted to be. In hindsight, I believe the natural surroundings of campus had a far more significant impact on me than I realized.



NIKKI TENAGLIA, B.A. '18 ▶

(OCEAN STUDIES AND MARINE

AFFAIRS/ENVIRONMENTAL SCIENCE/

CLIMATE CHANGE STUDIES, COLLEGE

OF ARTS AND SCIENCES)

OUTREACH AND EDUCATION

INTERN WITH ATLANTIC WHITE

SHARK CONSERVANCY

I describe myself as a marine issues person rather than someone who is passionate about a specific ecosystem or organism.

Through the Shark Smart Beach Program, I walk Lighthouse Beach in Chatham, Massachusetts, talking to people, asking them if they have any questions, and sharing information about marine debris and the effects of climate change, including rising sea levels, increasing temperatures, and ocean acidification. I also share how, as individuals, we can do everyday things to make a difference. While I'm getting a



taste of everything with this internship, I have learned that I really enjoy engaging with the public.

At UNE, I appreciated having the opportunity to travel abroad. The Belize trip with Jeri Fox sparked my love of travel. After that experience, I spent a semester at James Cook University in Australia.

MONICA MORIN, B.S. '15 ▲

(MARINE SCIENCE/MARINE BIOLOGY, COLLEGE OF ARTS AND SCIENCES)

TUFTS UNIVERSITY, DEPARTMENT OF BIOLOGY, BIOLOGY UNDERGRADUATE PROGRAM COORDINATOR

Throughout my career, I've worked to align myself with organizations that make sustainability a priority. After graduating from UNE, I went to the Mojave Desert as a research technician on a project that assessed social interactions of the endangered desert tortoise. Next, I went to Australia to pursue a master's in marine biology and learn about the social constructs of conservation. I brought that experience to Massachusetts, where I worked as a state park ranger on the Boston Harbor Islands, educating people across all age groups about climate change and its impact on our local environments.

With my current position in the Department of Biology at Tufts University, I became an Eco-Ambassador for my office, which was a huge step for me personally and professionally. I strive to learn more and encourage others to partake in making wise decisions when it comes to waste management, energy use, water conservation, and transportation. Moving forward, I want our department to set an example to the rest of the university and create a culture where sustainability is a social norm.

I was an Eco-Rep while at UNE, and I still look back at that time in my life as providing clarity on what gives me purpose and joy. Working with the Sustainability Office was the first time I felt that I was doing something that would make small- and large-scale differences.

**EMILY ZIMMERMANN, B.S. '09 ▲**

(MARINE BIOLOGY, COLLEGE OF ARTS AND SCIENCES)

MARINE BIOLOGIST WITH MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

My job is focused on protecting the water quality of the state. My coworkers are all environmentally minded, which creates a wonderful knowledge pool on sustainable lifestyle choices and provides inspiration on how to have a lighter impact on the planet. I am also an avid backpacker, a hobby that requires living lightly, leaving no trace, and minimizing the amount of material belongings necessary.

After graduating from UNE, I worked a seasonal job as a stream habitat surveyor for the Oregon Department of Fish and Wildlife and then took a year off from academia to thru-hike the Appalachian Trail, fulfilling a childhood dream. I completed a master's degree

in cognitive and behavioral ecology at Memorial University of Newfoundland, where I studied the behavior of cod in an aquaculture setting. A seasonal water-quality monitoring job for the Idaho Department of Fish and Game set me up for my current position in Maine.

UNE's relatively small size allowed me to have meaningful one-on-one interactions with all of my professors and gave me crucial hands-on research opportunities. These relationships paved the way for my scientific career, through personalized learning experiences and networking. I still rely on the professional connections I made while at UNE.

**PEG FILLORAMO, B.S. '72 ▲**

(DENTAL HYGIENE)

FOUNDER, COLCHESTER GIVING GARDEN

We created the Colchester Giving Garden as a meaningful way to honor our adult son who passed away in the summer of 2011. He was a very good gardener, and he loved his hometown [Colchester, Connecticut], where he was raising his family. Over the last two years, I've taken some classes about farming, and this year I am trying some new techniques to put more minerals back into the soil. It's very rewarding to be able to go to a soup kitchen and drop off 50 pounds of fresh vegetables. The majority of our food goes to food banks and free lunch programs. We have volunteers from all over since it's a good incentive to get people outside, all working together for a common cause.

**CHRISTOPHER D. KELLEY,****B.S. '11 ▶**

(ENVIRONMENTAL SCIENCE,

COLLEGE OF ARTS AND SCIENCES)

ENVIRONMENTAL SCIENTIST,

PORTLAND WATER DISTRICT

I find it rewarding to be an active participant in the management of two of Maine's most spectacular resources. Growing up, I spent a lot of time around Sebago Lake and Casco Bay, but I never understood the delicate balance of managing these resources for both recreational and utilitarian needs. This relationship requires input from a multitude of stakeholders, and to be a part of a team that contributes to this effort to protect environmental and public health has been a dream come true.

At UNE, I was inspired by a host of extraordinarily passionate individuals, both professors and students, and by the devotion with which they pursued the opportunity to advance their understanding of the natural world. They encouraged my curiosity and gave me the tools to explore my field with the same vigor and determination I saw in those around me.



"LIFE IS NOT A STRAIGHT LINE"

Maine's First Female Governor Offers Words of Inspiration to UNE's 184th Graduating Class

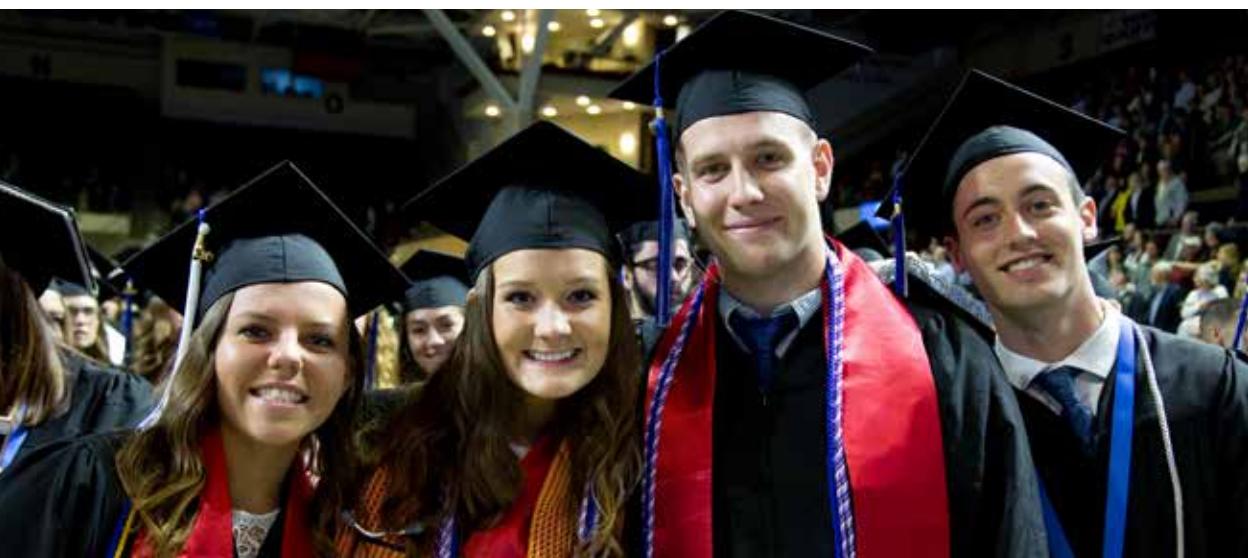
"A cleaner planet, a good economy, affordable health care, educational opportunity, and a lot of love for each other" were the wishes for UNE's graduating Class of 2019, expressed by Maine Governor Janet Mills, who served as the speaker for the University's 184th Commencement.

More than 1,800 students received degrees and certificates in osteopathic medicine, dental medicine, pharmacy, health sciences, human services, education, management, and the liberal arts at the event, held at Portland's Cross Insurance Arena on May 18.

Mills, Maine's first female governor, acknowledged the positive impact that UNE has on the state and encouraged the graduates to nurture their connection to Maine. "I hope your future includes the great state of Maine and that you share my passion for this place and all of its people," she said. "There is a world of opportunity right here, and we want you, and we need you here."

Mills also encouraged the graduates to expect the unexpected. She said that her own life took many twists and turns that she had not anticipated. "One thing I believe I learned," she said, "is that one's career, one's future, is never etched in stone, that life is not a straight line, and that, to a great extent, life is what you make it."

In his remarks, President Herbert echoed Mills' sentiment that the graduates are masters of their own destinies and emphasized that lifelong learning is the key to being nimble and successful. "We live in a world of rapidly escalating change, and you will need to evolve with the world to stay on top of the latest developments in your field," he cautioned. "So, don't ever stop learning. Embrace the discomfort, fear, and anxiety that come from stepping outside your comfort zone. Engage with people who think differently from you, including those with whom you disagree, and do so in a spirit of humility and genuine curiosity ... Explore our world from a diversity of perspectives."



"BRING MORE CHAIRS!"

Angela Davis Addresses Record Crowd as Keynote Speaker for UNE's 32nd MLK Celebration

by Jennie Aranovitch

The most well-attended event in UNE's history took place on January 23 in the Harold Alfond Sports Forum, where more than 1,500 students, faculty, professional staff, and community members gathered to watch legendary political activist Angela Davis deliver the keynote address at the University's 32nd annual Martin Luther King Jr. Celebration. The event space quickly filled to capacity, spurring the impromptu setup of an additional room for livestreaming. Hundreds more attended a scheduled livestreaming of the lecture on the Portland Campus.

While the high turnout was shocking to some, the event's coordinator, Erica Rousseau, M.A., UNE's director of Intercultural Student Engagement, was not surprised. Having fielded hundreds of emails and phone calls in the months leading up to the event, she knew to expect a crowd. "During set up, some people were asking, 'Do you think we'll need more chairs?' And I said, 'Yes! Bring all the chairs. Bring any chair you can find!' she says with a chuckle.

People journeyed from far and wide to attend the event; some even traveled from Canada. "There were people there who have been in the civil rights struggle since their youth, and I think that the students needed to see that. It was a very powerful event," Rousseau shares.

In his opening remarks, President James Herbert welcomed the packed audience, expressing his deep honor in hosting Davis, whom he described as a "pivotal figure in the history of American activism." He reflected on the day, nearly 55 years ago, when King made his historic visit to the campus, then part of UNE's precursor institution St. Francis College. "Our campus has changed quite a bit since Dr. King's visit. And our institution has changed as well. But our devotion to inclusion and creating a future of diversity and fairness has not wavered," Herbert said.

He noted the University's commitment to fostering a "welcoming, inclusive, and vibrant community," a dedication articulated in UNE's new strategic plan, and he recounted several relatively recent efforts made by UNE in support of diversity, such as the establishment of the annual Scholars of Color Welcome Breakfast, the launch of a Muslim Student Association, the addition of dining hall menu options that are sensitive to religious dietary restrictions, and the creation of new meeting spaces on both campuses for underrepresented students.

Rousseau had the distinct honor of introducing Davis, but, before doing so, she recognized the importance of the day and expressed her desire for the event to stimulate the exchange of ideas. "I would like to mark this day as a starting point," she said. "I hope that this lecture sparks discussion, thought, and conversation. I want the ideas talked about today to bring about a discourse of open thought. This is how we will truly learn."

Davis, now a distinguished professor emerita at the University of California, Santa Cruz, has been deeply involved in the nation's quest for social justice through her activism and scholarship over the last decades. Having authored nine books and lectured throughout the United States, Europe, Africa, Asia, Australia, and South America, she draws upon her own experiences in the early 1970s as a person who spent eighteen months in jail and on trial, after being placed on the FBI's "Ten Most Wanted List."

"I would like to mark this day as a starting point ... I want the ideas talked about today to bring about a discourse of open thought. This is how we will truly learn."

— Erica Rousseau





As such, Angela Davis' ability to elicit controversy was another aspect of the event for which Rousseau was prepared. She said that the thought of stirring controversy did not deter her in her efforts to bring Davis to campus. "People need to hear things that maybe they disagree with," reasons Rousseau. "And that's the point. We don't always have to agree with each other. That would be boring."

She says that Davis' standing as an accomplished scholar was one of the foremost reasons she pursued her as a speaker. "I really wanted a noted scholar with a name ... and she just had her new book come out [*Freedom is a Constant Struggle: Ferguson, Palestine, and the Foundations of a Movement*] ... and I liked the way she framed freedom as a constant struggle in the present day, discussing things that are going on here and abroad."

Davis did, in fact, share viewpoints expressed in her book, illuminating the connections among various types of struggles throughout time and around the world. She devoted much of her talk to addressing the interrelatedness of racial violence and gender violence, addressing how important and beneficial it may have been early on in the women's movement "to cultivate a political consciousness that linked rape to racism."

She also expressed her view of the prison system as both a gendering apparatus as well as a systematic implementation of state violence, pointing out the absurdity of relying on a violent system to remedy the social problem of violent behavior. "How ridiculous is it to assume that the violent institution of a prison can solve problems of violence?" she pondered.



Davis highlighted the connections between the prison system and both racism and gender violence. "If we want to eradicate gender violence from our worlds, we have to address the conditions surrounding those who are most subject to violence," she said, referring to disabled women and transgendered women of color. "How does our view of gender roles change if we look at it from the point of view of [minority] women, who are much more likely than any other group to be in prison?" Davis asked the audience.

At the conclusion of the keynote, Davis fielded questions from the crowd and then participated in a meet-and-greet with several UNE student groups, including the Cultural Council, Alliance, the Franciscan Faithful, InterVarsity Christian Fellowship, the Muslim Student Association, the Black Student Union, the UNItEd Multicultural Club, and the Women's and Gender Studies Club. The students, says Rousseau, were "blown away" by Davis' intelligence, confidence, and her graciousness toward them.

"She really does seem to have a thirst for speaking to young people," Rousseau notes.

"How does our view of gender roles change if we look at it from the point of view of [minority] women, who are much more likely than any other group to be in prison?"

— Angela Davis

But beyond contributing to political discourse and inspiring students, the act of hosting Angela Davis at UNE held very special meaning to Rousseau. "She is my hero," Rousseau beams. "She is someone we would talk about at the dinner table growing up. She's always been someone who I admired and looked up to."



"It was one of the best days of my life."

— Erica Rousseau

Rousseau says that both sets of her grandparents were interracial couples during a time in the United States when such relationships were illegal, and both of her parents were raised in segregated communities. "That's something that we talked about on a regular basis," she shares. As a young girl, she says it was her mission to learn about black women who profoundly affected society, and that, of course, included Angela Davis. "I became fascinated with women, particularly women that looked like me — who changed our world and who served their communities," she explains. "And I really built my life around that. It really shaped me as a young person."

Her pivotal role in securing Angela Davis as a speaker brought Rousseau immense satisfaction as both an educator who seeks to shed light on the cause of social justice and on a personal level as an admirer of someone she considers one of social justice's greatest advocates. "This event went exactly how I wanted it to go," she notes with an evident sense of fulfillment.

With the record crowds it drew, the day was one of great significance in UNE history, one that will go down in the books alongside Dr. Martin Luther King Jr.'s visit to campus in 1964. To the students who had the opportunity to meet with Davis, the day will undoubtedly stand out among their college recollections as a momentous and inspirational occasion. And to Rousseau, it will not only be a professional accomplishment but the attainment of a deeply personal dream that she did not ever expect to be realized.

"It was one of the best days of my life," she says. ■

Opposite page from top: Erica Rousseau with Angela Davis; COM students Karissa Rajagopal, currently an OMS 2 (left), and Jenna Wozer, currently an OMS 3, prepare to ask questions; Davis commands the overflow crowd.

Below, from left: Portland community advocate Hamdia Ahmed; Not just packed, but rapt in the Alfond Forum.

DONOR SPOTLIGHTS

By Ellen Ridley, Mackenzie Maher-Coville, Mitchell Brown and Amy Haile

HELENE FULD HEALTH TRUST ▲

Philanthropy is a gift that keeps on giving. In 1935, Leonhard Felix Fuld and his sister Florentine established the Helene Fuld Health Foundation in honor of their mother, Helene Fuld, who had been an advocate for health care and education during her lifetime. The foundation was originally dedicated to relieving poverty, suffering, sickness, and distress. As the foundation's assets grew, Leonhard focused its giving on improving the health and welfare of student nurses, who could help advance key improvements in public health and sanitation. Today, the Helene Fuld Health Trust has grown into the largest trust in the country dedicated exclusively to supporting student nurses and nursing education.

Fuld Trust grants are highly competitive; each year, only a few select U.S. institutions of higher education are invited to apply. In 2018, UNE received this rare invitation — a testament to the nursing program's achievements in curricular innovation, licensure pass rates, and enrollment growth. A few short weeks after submitting its proposal, the Helene Fuld Health

Trust awarded UNE \$900,000 in scholarship support for current and future students enrolled in the Accelerated Bachelor of Science in Nursing (ABSN) program. This degree option provides students who have completed a non-nursing bachelor or graduate degree to sit for the licensing exam after completing a 16-month nursing program. With a nurse shortage looming in Maine and the U.S., UNE is increasing ABSN enrollment to ensure communities have the critical nurses they need.

Nearly 85 years ago, Leonard and Florentine Fuld placed enormous trust in the future by endowing their resources to benefit nursing students they would never meet. As a recipient of their transformative generosity, we thank them for their foresight and hopeful belief in the power of education.



L-R: Accelerated Bachelor of Science in Nursing students Kevin Sinisi (Nursing, '21), Caitlin Condrey (Nursing, '20), Abigail Dubois ('19, Nursing, '20), Julie Beauchesne (Nursing, '20), and Michael Kenly II (Nursing, '20)



HENRY L. AND GRACE DOHERTY FOUNDATION ▲

Many years ago, a serendipitous meeting during a four-day sea kayaking trip on the Chesapeake Bay began a relationship that has yielded enormous dividends for the trajectory of marine science programs at UNE. Walter Brown, president of the Henry L. and Grace Doherty Foundation, found himself paddling with outdoor enthusiast and former UNE advancement officer Nicole Connelly, whose description of UNE's unique coastal campus and marine facility intrigued him.

As one of the nation's leading funders for marine sciences and education, the Doherty Foundation invests in institutions capable of robust oceanographic activities. After a splendid September visit to the Marine Science Center and subsequent proposal, Walter and his fellow board members gifted \$1 million to endow the Henry L. and Grace Doherty Chair of Marine Sciences at UNE. It was a momentous moment in the University's history.

Fast forward 10 years later: Dr. Barry Costa-Pierce, recruited to become UNE's first Doherty Chair of Marine Sciences after an international search, has helped shape UNE's marine sciences programs into a world class operation in collaboration with his esteemed faculty colleagues. Not surprisingly, the launch of UNE's unique Professional Science Master's in Ocean Food Systems recently attracted the Doherty Foundation's renewed investment in UNE's growth. With a \$400,000 gift, the foundation is funding substantial tuition and travel support to 12 Doherty Fellows enrolled in the program over the next three years, providing these promising young people unparalleled opportunities for study offered nowhere else around the globe. With deep gratitude, we thank the Henry L. And Grace Doherty Foundation for the dividends their giving has yielded for UNE, its students, and the marine world.

L-R: Doherty Fellows Phoebe Walsh (P.S.M. '20), Hillevi Jaegerman (P.S.M. '20), Julianne Stockbridge (P.S.M. '20), and Bailey Mortiz (P.S.M. '20). Read more about them at une.edu/giving/your-impact.

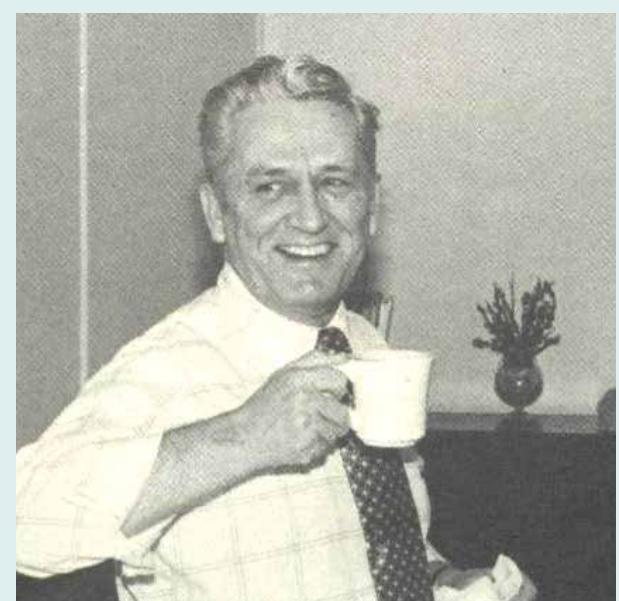


THE LEFT COAST FUND ▲

UNE took another important step toward sustainability with the help of San Diego philanthropist Scott Borden and his Left Coast Fund this past spring. With a lead gift of \$25,000 from the Left Coast Fund, UNE was able to install a 54-panel solar array on the Arthur P. Girard Marine Science Center. The solar array will produce approximately 18,000 kilowatt hours of electricity each year, offsetting 10 percent of the building's annual use.

When the Left Coast Fund expressed interest in supporting a sustainability-focused initiative, a coalition of students, faculty, and professional staff came together to research, develop, and submit a proposal to the fund. In addition to the Left Coast Fund, UNE's Undergraduate Student Government and the University's Green Revolving Fund, an investment fund focused on campus energy efficiency, provided support to complete the installation.

A permanent display in the lobby of the Marine Science Center tracks the power generated by the array and celebrates the partnership between UNE students, a generous private donor, and the University that made the project a reality.



THE P.D. MERRILL TRUST ▼

The P.D. Merrill Charitable Trust, a longtime supporter of the University of New England, has donated \$1.3 million to enhance the University's programs in business, entrepreneurship, and innovation through the creation of the P.D. Merrill Endowed Chair of Business and by providing new resources for UNE's Makerspace, which will also be named in honor of P.D. Merrill.

President James Herbert remarked, "P.D. Merrill played a huge role in making the University of New England what it is today, starting as a trustee in 1984 and serving as Board Chair during the merger with Westbrook College in 1996. He was a visionary who was always looking to the future, so it is entirely appropriate that the Chair of the Business Department be named in his honor and in perpetuity."

John Achatz, a trustee of the P.D. Merrill Charitable Trust, stated, "P.D. cared a lot about UNE and business leadership in Maine. He did not like putting his name on things, but he would be quietly pleased that the University has chosen to honor him in this way. We are glad to support UNE in enhancing educational resources for future business leaders."



DEAN RICHARD BOND ENDOWED MEMORIAL SCHOLARSHIP ▲

Dick Bond, faculty member and dean of the College for Westbrook Junior College and, later, Westbrook College from 1953 to 1980, was a beloved figure to generations of alumni. His wisdom, compassion, and penchant for being a tireless advocate and advisor to his faculty and students earned him both respect and admiration from all who knew him. In addition to his legacy at Westbrook, Dean Bond was also a decorated WWII veteran and a published poet.

Thanks to the leadership of Betty Smith Caton WC '75, '77; Joni Hardwick Maliszewski WC '76; and 60 other donors, many from the 50th Reunion Class of 1969, over \$25,000 has been raised for the Dean Richard Bond Endowed Memorial Scholarship in support of undergraduate students who demonstrate financial need. "He made such a difference in our lives," said Caton, "I love that he will continue to make a difference in the lives of UNE students."

UNDERSTANDING THE IMPACTS OF CLIMATE CHANGE ONE MICROORGANISM AT A TIME

by Angela Coulombe



"When it comes to ways of thinking about climate change, the majority of people tend to focus on the larger issues, such as melting ice or rising sea levels," says Tessa Rock '22. But there are microscopic organisms that are threatened too. "These organisms are what give us over 50% of the oxygen we breathe, and they are the base of the food pyramid," she explains.

Rock, who is combining her studies in marine sciences with a minor in anthropology, is currently conducting research that compares phytoplankton levels at flood-stage versus ebb-stage in a tidally dominated estuary. The data she collects will be used to draw conclusions about the effects of warming waters. "The research I'm involved in has implications for the Gulf of Maine and climate change, since the Gulf of Maine is warming faster than any other body of water," she explains. Rock says there are broad implications about how microorganisms may or may not be adapting to the major threats that climate change brings. "By looking at phytoplankton, I can then work my way back up the trophic pyramid," she notes.

"The project shows that microscopic changes will have major effects on marine life."

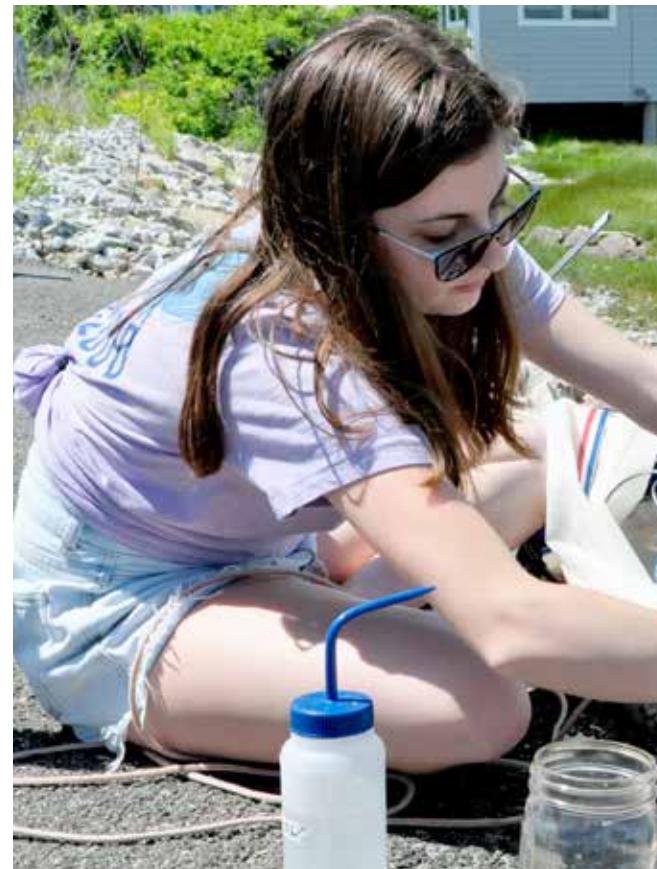
— Tessa Rock

Working with her advisor, Stephan Zeeman, Ph.D., a professor in the Department of Marine Sciences, Rock has been collecting phytoplankton from two estuary sites in Biddeford Pool at both high and low tides. When she returns to the lab, she runs the samples she has collected through the FlowCam, a computerized microscope that ties in flow cytometry (the measurement of cell characteristics) and high-resolution digital imaging to provide a detailed, morphological analysis of the cells in the sample.

"From this data, I can identify the species [of phytoplankton] and its abundance and see if there are any shifts in species throughout the months," says Rock. "Then I can use formulas to calculate the volume of sample run through the plankton net to calculate the amount of plankton in that volume and how much is relatively in the water at both [flood-stage and ebb-stage] sites. I am looking to see if the abundance of phytoplankton drops when the tide is ebbing. When the tide is ebbing, the water is going out from the pool, so the idea is that the bivalves should have grazed on the plankton, and I would see a smaller volume of plankton in my calculations. However, if there continues to be a relatively large amount of plankton going out from Biddeford Pool, this indicates that the wild bivalves are not grazing as they should."

Although the project focuses on phytoplankton, it also takes into account bivalve behavior and the Biddeford Pool ecosystem as a whole. If climate change is affecting the water temperatures in Maine, are the bivalves eating normally or are they too stressed by the temperature change?

Originally from New London, Connecticut, Rock carried out a portion of her research as part of the Summer Undergraduate Research



Experience (SURE)* program on UNE's Biddeford Campus this past summer. "I'm big on community-based research and action. If I'm able, as a freshman, to get into a lab, do my own research, and then share it with people in the community, I think that's amazing," she says.

Rock says she is particularly drawn to this research project because of its broad implications. "What I really like about this project is that when it comes to climate change, people think about the big organisms, but phytoplankton are really super important because they provide 90% of the food chain," she says. "The project shows that microscopic changes will have major effects on marine life. Personally, I love working on projects that aren't just super-specific but can be applicable to many avenues." ■

*The Summer Undergraduate Research Experience (SURE) at UNE has been sponsored by agencies such as the National Institutes of Health, the National Science Foundation, the American Chestnut Foundation, the Gulf of Maine Institute, the Maine Space Grant Consortium, National Institute of General Medical Sciences, Pratt and Whitney, Bristol Seafoods, the U.S. Department of Agriculture, the UNE Marine Science Center, and the UNE Office of Research and Scholarship.

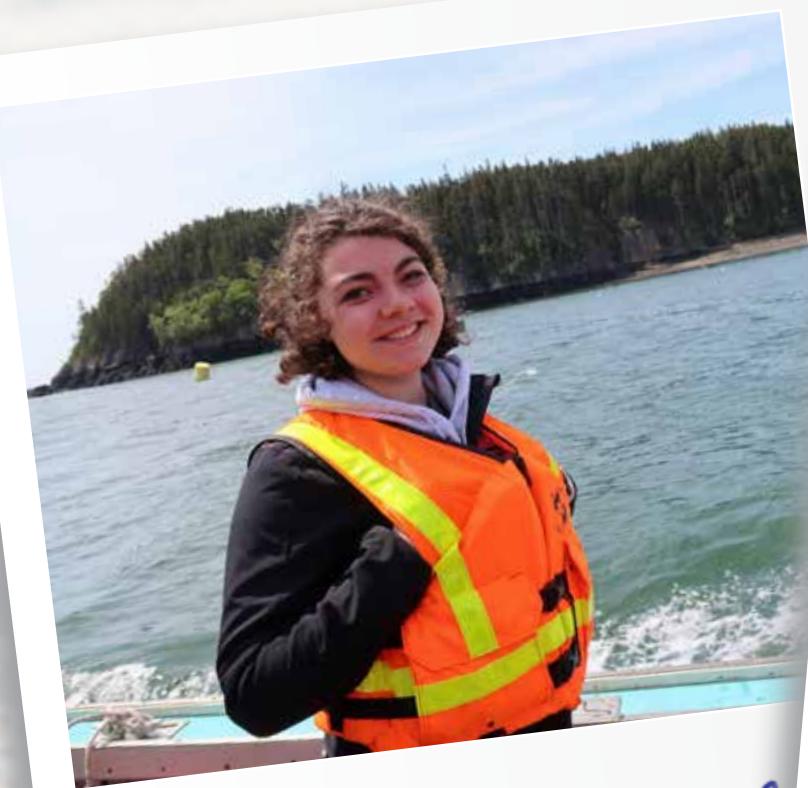
Left page: Tessa Rock '22 runs collected samples through a FlowCam to identify and track abundance of phytoplankton in the estuary at Biddeford Pool.

Below, left to right: Collecting phytoplankton samples from the estuary at Biddeford Pool during low tide; Tessa Rock '22 closely examines high-resolution digital images to provide detailed, morphological analysis of the phytoplankton cells in the samples she collects.

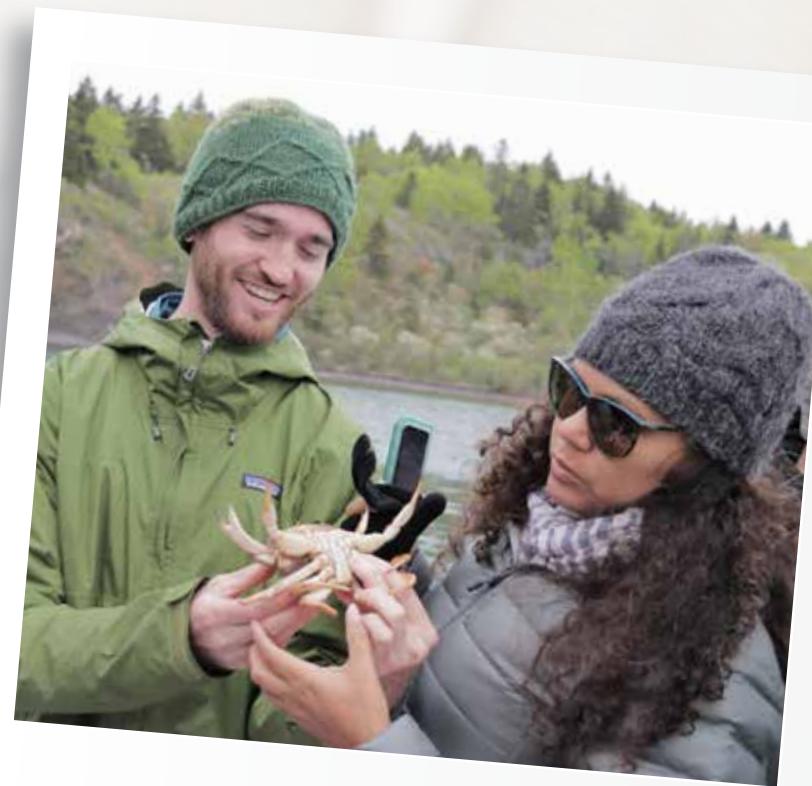


NATURAL WONDERS

By Noëlle Wisneski and Melissa DeStefano



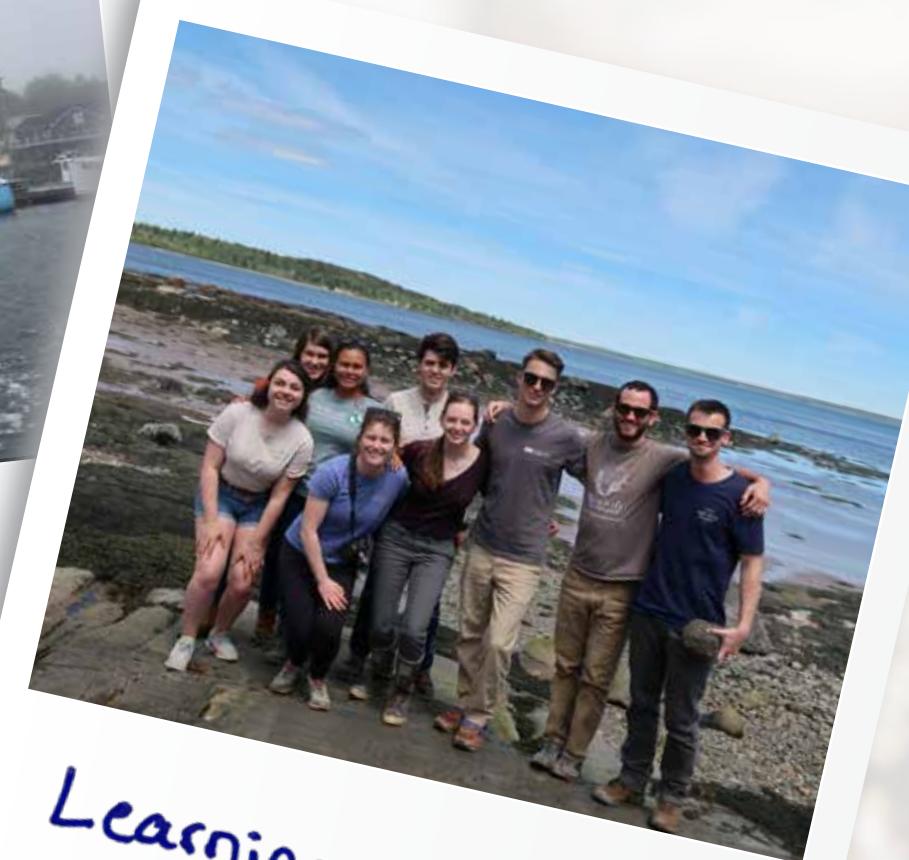
Going out to see some Salmon net pens



Zach and Julie observing a crab from a trap



Exploring Eastport!



Learning all about Petroglyphs

Hello, I'm Noëlle Wisneski, a Professional Science Master's student in the new Ocean Food Systems program! I will be taking you through the beginning of our journey in this program. We started out by spending two weeks in Downeast Maine. We had only met each other a few days prior, but we had already become a close group. During our two weeks, we learned a lot about Maine's fisheries and aquaculture through lectures and field trips. We had amazing lecturers during our time in Maine, including two Icelandic professors, a specialist on seaweeds, and people from a salmon hatchery.

We explored various places in Down East Maine – from fish ladders, which were being used by alewives, to a hatchery used for wild salmon restoration. Our cohort had the opportunity to go out on a boat and explore Eastport. One of the young men on the boat had some lobster traps and pulled them up to let us see if he had caught anything. There were a few crabs but also one lobster! This was exciting for Julie, one of our students from Belize, who had never seen an American lobster before!

It was pretty cold and dreary in Eastport, but after an hour on the water, the sun came out. While on the boat in Eastport, we learned about the lobster industry there and the conflicts between Maine and Canadian lobstermen who share these waters. Afterwards, we had a nice lunch outside and then had a talk all about the lobster industry, from catching to processing. We also had the opportunity to visit the Downeast Institute and learn about its efforts in aquaculture and its shellfish hatcheries.

While we were in Maine, we had the honor of meeting members of the Passamaquoddy nation and learning about their culture and history. We got to see some petroglyphs, historic rock carvings, and were told the stories and meanings they represented. We had a lot of fun trying to find them ourselves and learning about the stories they told. Later Professor Arthur Anderson [assistant lecturer in UNE's Department of Society, Culture and Languages] and Professor Gabe Hrynick from the University of New Brunswick took us to explore some middens.



Dettifoss- one of many Icelandic waterfalls



Having fun in Siglufjörður



Swimming in the fjords (brrr...)



Visiting Sæplast and learning about them

A little over a month after our two weeks in Maine, we all traveled to Iceland for two more weeks! During our time in Iceland, we stayed in Hólar and learned all about Iceland's fisheries, aquaculture, and culture. Of course, being in Iceland, we had to see all the natural wonders we could! We got to stand near the rushing waters of Dettifoss waterfall and explore the beautiful landscape of Ásbyrgi, a canyon in Vatnajökull National Park.

We went to a lot of towns that were important to Iceland's fisheries. In Siglufjörður, we got to learn about new innovative products such as Benecta, a product that uses the chiton from shrimp shells as a food supplement. While in Siglufjörður, we had the chance to explore a commercial fishing boat, one of the newest in the fleets. In Húsavík and Hólar we saw two types of Arctic char hatcheries. Even though both places were aquaculture facilities, it was interesting to see the differences between the two and compare them.

While lectures provide a lot of information, we had the opportunity to take field trips and go to different places and explore their roles in Iceland's fisheries and aquaculture. We visited one of the most renowned places in Iceland that makes bacalao, dried and salted cod. Iceland has many unique seafoods, such as fermented shark, which are a must-try when visiting Iceland. Although it is not fish, we all agreed that Icelandic lamb was one of our favorite meals.

There are many other players in our ocean food systems that we don't typically talk about or visit. One of these players is the company Sæplast, which provides quality bins for fishermen to place and ship their product in. It provides unique programs to all types of fishermen and aquaculturists. We also got to tour Laxá, a fish feed company in Iceland that primarily uses fish meal and fish oil and ships worldwide. All of the fish that it uses in its feed is from bycatch. It was a great experience to visit these facilities and learn about their roles in our ocean food systems.

UNE'S ROCK 'N' ROLL SECURITY OFFICER

by Philip Shelley

When it came time to select the profile subject for our first Campus Community feature, our Portland-based editorial team (don't worry, Biddeford, we'll get to you next issue!) wasted no time in identifying Larry Pritchard, from the Office of Safety and Security. For almost exactly 21 years (his hire date was October 5, 1998) Pritchard has been a recognizable figure and a reassuring presence on UNE's Portland Campus, always going the extra mile to offer all kinds of assistance to students, faculty, professional staff, and visitors alike. More to the point, Pritchard is what we used to call a "character," always dispensing his duties with the kind of twinkle in his eye that marks him as a man with some stories to tell.

Coming out of high school, the Rockland, Maine, native started his professional life working as a marine mechanic for Rockland Marine, a local shipyard. In the winter, when things slowed down at the shipyard, he worked as a guard at the Maine State Prison in Thomaston, where his uncle was one of the head guards. After going through the Maine Criminal Justice Academy, that became his career — or enough of a career to support his rock 'n' roll life.

"Back in the 60s in Rockland," says Pritchard, "I had a pretty good band. I played lead guitar, and we had some 45s that did okay — they were in the Top 40, you know? We got to number 22 or something — we did really good." The band was called the Chevelles, and one of their most popular songs was inspired by a woman Pritchard dated briefly.

"I don't play anymore," says Pritchard, who expresses an affinity for the short, melodic pop songs and garage band aesthetics of many mid-60s one-hit wonders. "What happened is the scene got to be too much for me in the late-60s, with the 'In-A-Gadda-Da-Vida' stuff and Iron Butterfly, and hard rock, and all those bands with the keyboardist, probably on drugs, playing with his toes...I've never smoked a cigarette in my life,



never drank a cup of coffee in my life, and I never did any drugs in my life. I used to drink a few beers once in a while, you know, have fun."

Pritchard mentions more than once this predilection for fun but clearly specifies what type of fun he means. "That's what I think I was all about. You know, doing a job, doing a good job, but having good, clean fun." It is a philosophy that has allowed him to get along with all kinds of people, both in his colorful life and on the job at UNE.

Pritchard came to work on UNE's Portland Campus only two years after the former Westbrook College had merged with UNE. He knew immediately he had found a home. "When I started here," he says, "I knew I was going to love it — the interaction with the students was great."

In those days, the Wing Lounge was outfitted with pool tables and foosball tables, which helped promote camaraderie between staff and students. "One rare talent that I had," says Pritchard, "is that I used to be a pretty good pool player, and I won trips to Las Vegas to play in big tournaments. So, I used to teach students how to shoot pool, you know, and we would just have a lot of fun together."

Pritchard's outgoing and friendly nature earned him some recognition from students. "One thing that I'm really proud of," he says, "is that I was nominated many times for outstanding staff member by the students. And I actually won that. I also got an award from the students for continuous student service."

Pritchard is quick to praise his colleagues in the Office of Safety and Security. "All the officers are great — it's a great crew. And that's a testament to management too. I was sorry to see Don [outgoing Director of Safety and Security Don Clark] go, but we're very lucky to get Jeff [Greene], with his talent. He's a super guy. Chad Stevens. I was really impressed with these guys when they hired them. And you know, I mean Jeff had, what, 16, 17 years with the Biddeford Police? As much as I know, which I think I know a lot, I can always learn something from someone like Jeff."

Time for one last story. "So, when I moved away from Rockland, I would still go up every year for the Lobster Festival. I'd stay at the Tradewinds Hotel, downtown. I'd get a room on the fourth floor with a deck. So, one year, I'm sitting on my deck, and this guy walked by and I said, 'Come on in.' I recognized him, and I knew that he was trying to get away from the crowd. He looks at me, he's got a long coat on and sunglasses and a baseball hat. So, he sat on the deck with me, and we talked for about an hour, though he was a little bit intoxicated. Anyway, he gave the show that night, and he was great."

Who was this mysterious entertainer? Pritchard pulls out his phone and scrolls to a photo of himself sitting on the deck with his new acquaintance: it's Pritchard with David Cassidy — just two rock 'n' rollers, smiling together in the Midcoast sun. ■





UNE'S FRIENDLY NEIGHBORHOOD TICK MAN

by Allison Willard

Maine has ticks on the brain.

"More ticks, less cod," Governor Janet Mills recently listed as some of the growing issues in Maine. A week later, Senator Collins introduced the TICK Act to improve research, prevention, diagnostics, and treatment for tick-borne diseases, with Senator Angus King co-sponsoring in the Senate and Congresswoman Chellie Pingree, a member of the Lyme Disease Caucus, co-sponsoring in the House. UNE alumnus Charles Lubelczyk, MPH '18, is among those uncovering why the tiny crawlers are becoming such a big issue.

Lubelczyk explains that, in broad terms, distribution and expansion of ticks is driven by three basic factors: climate, basic ecology, and hosts. "And nowadays," he says, "we worry a lot more about climate change than we used to twenty years ago."

Lubelczyk is a vector ecologist at Maine Medical Center Research Institute's Lyme & Vector-Borne Disease Laboratory and has been researching the spread of vector-borne diseases for more than twenty years. In May 2019, he presented his research findings at a "Tick Talk" event hosted by the UNE Planetary Health Council and sponsored by six additional UNE departments.

"It's not uncommon for us now to find black-legged ticks here in Maine in late November, early December, and in some years, even



Lubelczyk and Congresswoman Chellie Pingree look for ticks to test in Cape Elizabeth. Pingree has repeatedly advocated for tick-related disease legislation, such as fighting to increase funding for the CDC's Lyme Disease programming.



early January in the coastal plain," he says. "That was not the case in the early 90s. Traditionally then, the season for ticks would end by early November."

He goes on to explain that the slight warming of our climate causes "cascade effects" such as increased precipitation (ticks love a wet environment) and an increase in "degree days," a unit of measurement in which the number of degrees above or below a certain standard temperature is multiplied by the number of days in a given timeframe. "Black-legged ticks, also known as deer ticks, need 1,260 degree days above 6 °C (42.8 °F) in order to procreate and reproduce," Lubelczyk notes. "There are now more areas of the state where, climate-wise, it's more hospitable for ticks to survive or to get established and for them to reproduce and grow their populations."

A 'one-health' problem is where we have something like climate change, which is environmental health, affecting wildlife health as well as human health when these ticks get established."

— Charles Lubelczyk

In addition to the nuisance factor, there is a larger public health cause for concern: black-legged ticks are carriers of debilitating diseases such as Lyme and babesiosis, and a bite from the newly-arrived Lone Star tick can cause a new red meat allergy in humans and affect livestock.

This all ties together, Lubelczyk explains: "One of the things with vector-borne diseases is that there is a concept now called a 'one-health' concept that recognizes the interconnectedness of environmental health, human health, and frequently animal health (domestic or wild). A one-health problem is where we have something like climate change, which is environmental health, affecting wildlife health as well as human health when these ticks get established."

The first step to a solution, of course, is awareness, which is where Lubelczyk's research is coming in handy.

In a 2016-17 study, he and his colleagues ran a study of black-legged ticks and Lone Star ticks' over-winter survival in Connecticut and Cape Elizabeth, Maine. They found that ticks who were left under both leaf litter and snow cover through the winter survived more



often (94%) than their counterparts who had both their leaves and snow removed in the same timeframe (77%). "Leaf raking is proving to be a fairly important tick removal technique," advises Lubelczyk. "Keeping your leaves around your home may keep ticks around."

It's a small step, to be sure, but as he's found that most ticks are encountered in short trips outside the home, rather than the expected recreational activities, it could help Mainers prevent a tick-related diagnosis.

In the end, although they annoy, frustrate, and infect us, ticks could also unite us. "There are actually definite changes going on related to climate," Lubelczyk says. "I think that the data dealing with ticks and mosquitos is much less controversial. This is a topic that a lot of people don't actually argue about. So, when you bring up things like climate change and relate it to public health issues, such as ticks and mosquitos, generally, people are all behind the idea of getting rid of them or minimizing them. It may help to kind of defuse some of the climate debate because we do have really good empirical data that this is occurring."

Lubelczyk's full presentation on "Climate Change & Tick Expansion: Why & What You Can Do" can be found on the UNE Health, Wellness, and Occupational Studies Facebook page. ■



SECRET TRAVELERS ON THE SHORES OF LAKE CHAMPLAIN

Reported by Chris Rose | Photos by Arielle Thomas



With the full moon still hanging in the morning sky and the sun just beginning to rise, Noah Perlut, Ph.D., associate professor and chair of UNE's Department of Environmental Studies, and three of his students set out in search of bobolinks and their chicks at picturesque Shelburne Farms, nestled along Vermont's Lake Champlain.

Each summer, bobolinks undertake a daunting intercontinental, trans-oceanic flight from their winter home in Argentina to nest in Vermont hayfields. The journey, which can cover up to 2,300 miles, is one of the longest non-stop songbird migrations yet identified by scientists.

For the students spending their summer days in the hayfields of Vermont, the hands-on research is invaluable in helping them in their development as scientists. "Part of the reason I came to UNE is the fact that it is research-heavy," says Emma White, who is currently pursuing her master's degree in biology. "Coming out to these fields, finding the nests, and spending time with the birds is definitely a huge draw for me."

The purpose of the project is to help landowners better understand the birds on their property so that they may co-exist, balancing farming practices and production with the needs of grassland birds. For 18 years, Perlut has been studying the decline in these grassland birds in relation to farming activity. The research helps create a story of the birds, allowing owners of the land to form a connection to them.

Based on these stories, many landowners have made changes to their operations to prevent harming the birds. "We've modified our cutting schedules to accommodate the birds," states Sam Dixon, dairy manager at Shelburne Farms. "We mow very early in the season before the birds arrive, then wait 65 days before we do the second cutting."

"It has been amazing to work with these landowners," Perlut says. "They've really listened to the science. They're willing to look at this research and realize that if they change their habits a little bit, the birds and the farms can both thrive."

"The journey that they make to Shelburne every year is really amazing," Dixon says. "So, I feel some responsibility to provide them with a place that they can come back to." ■





CHASING HER DREAMS TO THE SIDELINES

by Curt Smyth

Though its varsity football program is still in its infancy stage, the University of New England has already helped several women to break into the coaching ranks, putting UNE ahead of the curve as professional sports leagues and major universities are beginning to afford coaching opportunities to women that have not always been available in the past.

A year after Andrea Gosper '19 fulfilled her coaching minor requirements on the Nor'easter sidelines, leading to a scouting intern position with the NFL's Buffalo Bills, Sue Lizotte is making her mark as an assistant coach on UNE head coach Mike Lichten's staff.

"Coach Lizotte brings a tremendous amount of experience and passion to our staff," says Coach Lichten. "Her work ethic, attention to detail, and program-first attitude have already had a positive impact on our players and their experience on and off the field. Sue comes to work every day focused on making our football family better."

UNE Director of Athletics Heather Davis, herself a member of the small but growing cohort of female athletic directors at NCAA schools, adds, "We are thrilled with the impact both Andrea — last year — and Sue — this year — have had on our football program. They are both truly trailblazers; leading the way with their passion, dedication, and commitment. I commend Coach Lichten for his vision of bringing in outstanding coaches, regardless of gender, to best serve and support our student-athletes."

After playing quarterback for seven seasons in the Women's National Football Association (WNFA) for the Mass Mutiny and Maine Freeze, Lizotte got her start in the football coaching ranks as part of the staff of her youngest child's youth football program. From there, she had a five-year stint as a coach for Sanford (Maine) Junior High under the direction of head coach Mike Fallon, before moving to that community's varsity high school program. She also spent two seasons as the offensive coordinator for the Notre Dame Cobras, a men's semi-pro team.

That experience further fueled her passion for the sidelines and prompted her to apply for the NFL's Women's Careers in Football Forum, run by NFL Director of Development Sam Rapaport, in the program's first year — the same opportunity Gosper was afforded earlier this year. One of nearly 500 applicants, Lizotte was just one of 50 selected for the forum and was among an even-smaller (16) cohort of coaches. While at the Forum, she met James Perry, who at that time was the head coach for Division I Bryant University and currently leads the Brown University football team. He offered Lizotte a graduate assistant on-field position for the 2018-19 season at Bryant, where Lizotte worked with the defensive line and special teams.

Her opportunity to work with the Nor'easters came to fruition when Fallon put her in touch with UNE Assistant Coach Jack Messinger. While her responsibilities with the UNE program are quite varied, Lizotte identifies listening to her players as one of her strengths.

"The players have a different perspective being out on the field and may see something we don't see from the sidelines," says Lizotte. "I think it is important to listen to your players and develop a relationship with each of them. I recognize that I don't always have all the answers, so listening to everyone involved, both coaches and players, can make us better and improve every day."

A finalist for the Scott Pioli Foundation Grant, Lizotte is thoroughly enjoying her time on the sidelines at UNE.

"I never thought I would find such an amazing group of coaches to work with like I had at Bryant... until I started coaching at UNE," she comments. "The coaches here are absolutely amazing to work with and have welcomed me on board without hesitation. They treat me like a coach, not a woman who is coaching football, and that is important to me. The coaches here are just as brilliant and have the same drive and passion for this game that I do."

And while Lizotte certainly recognizes the few opportunities women currently have in football, she hesitates to view herself as a pioneer for other women trying to break into the profession.

"To be completely honest, that is not what I am trying to do," offers Lizotte. "I am completely fine with 'flying under the radar.' I just want to spend the rest of my life coaching this game at the highest level I can reach. Do I think this might encourage other females to pursue football careers? Yes, I think so — if women see that it is possible to obtain positions in football as a woman, and they have the drive and passion for this game. I hope what I am doing can inspire other people, either male or female, to never give up on their passion and their dreams." ■

"The coaches here are absolutely amazing to work with and have welcomed me on board without hesitation"

— Sue Lizotte



2019 HALL OF FAME SUMMARY

by Curt Smyth

On the evening of Friday, September 21, four former student-athletes and one head coach were inducted into the University of New England Varsity Club Hall of Fame, marking the 15th class bestowed with that honor.

The class included former student-athletes Bill Lyons SFC '74, Michaela Franey UNE '11, Tyler Thomas UNE '13, Hannah Tavella UNE '14, and former SFC men's ice hockey coach Bob Riley.



BILL LYONS SFC '74

Lyons played three seasons of basketball for the Red Knights. He finished his storied career with 1,178 points and led the squad with 18.6 points per game as a sophomore in 1968-69. He averaged more than 20 points per game in his senior campaign. In both his sophomore and senior seasons, he received all-conference, all-state, and all-region accolades. Lyons was the second SFC player to eclipse the 1,000-point plateau, and his career total stands as the fourth-best in Red Knights' history.

MICHAELA FRANEY UNE '11

Franey transferred back to her home state after one year of immediate impact at a Division I institution in New Jersey, and in 54 games for the Nor'easters' field hockey team, she totaled 36 goals and 21 assists (93 points), twice receiving first team Commonwealth Coast Conference (CCC) status. Franey also garnered all-region honors during her senior season, when she led the squad with 22 goals and 10 assists for 54 total points. That production (goals and points) marks the second best season in program history and contributed to Franey's current standing in UNE's all-time per-game ranks (second in points, third in goals, and second in assists). She maintains sole possession of the single-game records for goals (6) and points (15), both set during the 2010 season.



TYLER THOMAS UNE '13

Thomas ended his four-year career with the lacrosse program as the career-leader in every scoring category except goals per game. In 73 games, he amassed 232 points on 137 goals and 95 assists. His initial season of 40 goals and 25 assists was good for the 2010 CCC Rookie of the Year honor, as well as honorable mention all-conference recognition. Thomas was honorable mention again in 2011 and landed a first team nod as a senior. The Nor'easters matched the program record of six wins at the start of his time in Biddeford and proceeded to post 8, 10, and 14 during the next three campaigns.



HANNAH TAVELLA UNE '14

Tavella starred in both field hockey and lacrosse during her time at UNE. With the field hockey program, she logged 86 games and finished with 34 goals. She was a three-time first team all-conference pick and collected three major awards from the CCC in her time: 2010 Rookie of the Year, 2011 Defensive Player of the Year, and 2013 Senior Scholar-Athlete of the Year. She was also twice named as a first team all-region selection (and one second team). In lacrosse, Tavella played 67 contests, racking up 231 goals and 280 points – both program records. She was an all-conference honoree in each of her four seasons, with three times on the first team (and one all-region selection). Tavella still holds the top three single-season goals-per-game marks in program history (3.9, 3.8, and 3.6). The Nor'easters matched their high of 12 victories during her sophomore year.



BOB RILEY, FORMER SFC MEN'S ICE HOCKEY

Riley coached the St. Francis College men's ice hockey program for five seasons from 1974 to 1979, leading a team that was inducted into the UNE Hall of Fame in 2005. He guided the Red Knights to a record of 68-30 and National Association of Intercollegiate Athletics (NAIA) District 5 championships in 1976-77, 1977-78, and 1978-79. Each of those squads reached the final eight in the NAIA national tournament. Today, Riley is an avid supporter of the nationally-ranked UNE men's ice hockey program, attending nearly every home contest at the Harold Alfond Forum, where the men's ice hockey head coach's office is named in his honor.



UNE ATHLETICS RECOGNIZED FOR INCLUSION

The University of New England is being recognized for its efforts to promote inclusion for LGBTQ athletes and was awarded the Division III Diversity Spotlight Initiative for the month of April.

UNE sponsored an on-campus education session on the topic of inclusion. As part of the program, Kayleigh McCauley, B.S. '07 (Exercise and Health Promotion), Ed.D., the founder of 'Out in Athletics,' which specializes in LGBTQ athletics policy creation and revision, met with students, administrators, coaches, and professional staff. McCauley was a four-year member of the Nor'easters' field hockey program and a two-year member of the softball team.

The University also joined other professional, college, and high school athletic teams around the globe in producing a "You Can Play" video. The You Can Play initiative brings athletes and fans together to let LGBTQ players know they are welcome on their teams.

One of the students featured in the video, Rose Karis (Environmental Studies, '19), talked to NEWS CENTER Maine about her experience coming out to her teammates.

"I didn't come out until last year actually," Karis said. "There were struggles with wanting to tell people but not knowing if or how I should." When Karis took a leap and told her teammates, their responses were not what she expected or feared.

"Nothing changed at all," Karis explained. "They didn't make a big deal about it."

UNE wants all athletes to know that they will be treated with the same respect.

"We want them to not only feel included in an inclusive environment, but we want them to feel celebrated," UNE Athletics Director Heather Davis said. "That really makes our community that much more vibrant and engaging."

www.youtube.com/watch?v=QhfitipYzK

class NOTES

Please email your news and photos to alumni@une.edu, post on UNE Connect at www.alumni.une.edu, or mail to the UNE Office of Alumni Advancement, 716 Stevens Avenue, Portland, ME 04103.

College of Osteopathic Medicine news should be emailed to RSAS@une.edu.

PLEASE LIMIT SUBMISSIONS TO 75 WORDS OR LESS. SUBMISSIONS MAY BE EDITED FOR LENGTH AND CLARITY.

Please Note: Westbrook College Notes for classes 1963 and earlier were printed in The Tower this summer.

1963

Dan Keohane writes: "In January, Annabelle and I celebrated my 80th birthday with a wonderful dinner at Norman's Restaurant at the Ritz Carlton Hotel in Orlando. It was a fantastic dinner with a very attentive and outgoing attendant by the name of Juliana. At the end of the meal Juliana came over, a slight smile on her face, with the bill. I opened the bill and was shocked to note a big "Congratulations on Your 80th" from our son, Kevin, and daughter, Julie. Yes, they had paid for the dinner! This was such a wonderful surprise from our daughter and son! If anyone is thinking of visiting Boston in April of 2020 in celebration of the founding of Plymouth in 1620, the USS Constitution (Old Ironsides) and the renovated Mayflower will be cruising into Boston Harbor on April 14 and docked in the Charlestown Navy Yard to April 19. It should be an exciting time. Come knock on our door to view the ships in 'our backyard'."

1965

Robin Schofield Dwyer writes: "My partner, Dale, and I moved to Virginia four years ago. We have a great life with a home in Truro, MA on the ocean on the Cape and Williamsburg, VA. We sold our home in Adirondacks and I retired from the church I was serving there. However a minister is never without work somewhere. While at the Cape, we both volunteer at the Methodist Church Thrift Shop in the summer and I cover for the minister so he can have an occasional weekend off. Having fun traveling and just enjoying life."

Eileen Parseghian Hertel writes: "First, I have to say how much I enjoyed the class of '66's 50th Reunion and, of course, the highlight was seeing so many of my college friends and catching up on all of our life's journeys! I am living in Dover, NH and am recently retired. I taught computers for 20 years in an elementary school, worked for the Centers for Medicare and Medicaid, and was the management coordinator for a property management company along with my own photography/photojournalism business. Currently, I am still a NH Justice of the Peace. I now enjoy spending lots more time with my children and grandchildren! Until a few years ago, my daughter lived in Portland just two blocks from Westbrook, so I would walk my young grandson to the campus and show him my dorm room while reminiscing!"

1966

Linda L. Fucci writes: "Enjoying retirement by traveling. Last June, I did the canyons out West with a stop in Las Vegas where I met up with my roomie, **Fran Wheeler Hedges** and her husband Vince. In September, I went to Sicily which is beautiful and full of so much ancient history. This April, I am off to Cuba and then in August, I'm going to Mackinac Island. I continue to usher at the Boston Opera House which is a lot of fun. I enjoy serving on the Westbrook College Alumni Board of Directors."



Priscilla MacLean Madore is proud to share the news that her grandson, **Michael Madore '19**, was inducted into the College Honor Society, Alpha Chi, in April 2018. Michael will continue his education in the fall at UNE for his degree in Physical Therapy. "Just think, he will be studying on our WJC campus!!!"

Charon Matthews Sellers writes: "My husband Dave and I celebrated our 50th wedding anniversary this year. Our sons (Jeff and Matt), their wives (Dana and Amy) and three grandchildren (Ethan, Sophia, and Jacob) came from the Carolinas and hosted a big surprise party for us at the Taste of Maine restaurant. I keep busy with genealogy and DAR and Dave still volunteers for Habitat for Humanity and enjoys golf. We spent two weeks in 2018 with Jeff and family in South Carolina and two weeks with son Matt's family in North Carolina. 2018 flew by and I just hope 2019 is as busy."

Linda Aharonian Zavalick writes: "This has been a very busy year –

the older I get, the busier I am, or so it seems! I am wrapping up the third year of my second stint as a member of the Westbrook College Alumni Board of Directors, which enlightens and inspires me. I see the respected educational facility the University of New England has become as well as the Westbrook College campus' beauty and the educational opportunities available there. I also continue to work as a receptionist at Rockland Trust Company located in Milford, MA, a job that I have held for almost 12 years. It is amazing and I love working with both supportive colleagues and customers whom I consider the best anywhere! I continue to run road races and participate in spin classes and strength training at my gym. Physical fitness is an extremely important part of my life. I have three beautiful granddaughters ages 14, 12, and 3! Indeed I am blessed. This July, my husband and I will celebrate our 50th wedding anniversary – I still cannot believe that much time has passed, but I am grateful for all."

1967

Fr. Paul Fohlin, O.C.D. writes that Fr. John Grennon, O.C.D. died on June 29, 2019. He was ordained a priest in the Discalced Carmelite Order in 1997 and is buried by the Monastery of Holy Hill in Wisconsin."

1968



Cynthia Corkum Hart writes: "Last fall, we adopted a new, furry member of the family, Fritz (see

picture). He is such a joy. We adopted him from the Greater Portland Humane Shelter in Westbrook. It was a two-hour drive down and another one back, but well worth it. In November, I began having trouble with my left little toe. After three emergency room visits, an appointment with a vascular surgeon, an appointment with a podiatrist, lots of pain meds and antibiotics and, lastly, an appointment with ANOTHER podiatrist, it has been determined that the toe joint was partially displaced and the pain and infection were being caused by the rubbing of my toe on the inside of my shoes. The first podiatrist told me I should have the toe removed - not something I was eager to do. The second podiatrist has referred me to an orthopedic surgeon to get the joint straightened out. What a relief! Other than that we have simply been dealing with the ice and the cold. We're both retired and enjoying doing as little as possible."



Nancy Merrill Spain writes: "I thoroughly enjoyed my time at Westbrook Junior College! I have not kept in touch but have very fond memories of my classes and my classmates, **Linda, Susan, Peggy, Sharon, Bonnie and Paula**. I am still working full time as an assistant to the president of a local company. Hope to retire in a couple years and continue on in the Senior Modeling field. I have three adult children, four grandchildren, and two great grandchildren. I enjoy traveling, skiing, and swimming."

1969

Edith Johnson Boogusch writes: "I have reinvented myself several times throughout my business career — from retail and human resources to owning and running a bed-and-breakfast in southern Maine, then moving to California to work for a telecommunications company in billing, customer service in a wholesale company, and currently as a real estate agent. I have four children and eight grandchildren, all of whom live fairly close by. My husband of 37 years, Tom, and I enjoy travelling when we are not busy with work and our grandchildren. Some favorite Westbrook memories include waitressing with **Kathy and Maria!**"

Jane Morrison Davidson writes: "I retired in January after being an office manager for two mental health centers in New Hampshire for the past 20 years. This year not only marks my 50th college graduation, but also my 50th wedding anniversary with Rick Davidson. Rick and I lived in Germany for eight years in the 70s; after the birth of our eldest daughter, we came back to New Hampshire and had twin daughters. In total, we now have seven grandchildren and everyone lives within an hour from us. We spend the summers in our camper on Southport Island, Maine. We look forward to traveling this year."

Deborah Fisher Duplantis writes:

"I have so many fond memories of Westbrook, but unfortunately I will not be able to attend my 50th reunion. My husband has been having ongoing health challenges. Thankfully, he is now on an upward trend, but feels we should not attend. I retired from the University of Texas at Austin last August after 18 years. I have spent over half of my life here in Texas and love it! We have four grandkids who happily watch all the craziness and loving life near Seattle. My husband John and I celebrated our 39th anniversary on April 4th!"

Priscilla Bode Burg writes: "I am a retired architect designer with many years of interior architectural design in notable residential, commercial and corporate projects; I also designed furniture showrooms. Upon retiring from architecture, I returned to one of my most beloved endeavors — that of an artist/painter. My work has been juried into many shows and galleries and I am an amateur photographer. Currently, I am working on my original handmade greeting card and gift bag line. I also do pet portraits in pastel for fur-baby owners, which is most gratifying. In 1987, I continued my education at the Catholic University of America in Washington, D.C. receiving both a B.S. in Architecture and a Bachelor of Architecture Professional degree in February of 1993. My husband Don and I reside in Frisco, Texas, and we travel to Maui when we are able. Mostly, we stay close to home and seem to be busier now more than ever with friends and church; we are very blessed. My favorite Westbrook memory is trick or treating with

Jennifer Briggs Hargreaves writes: "I am retired from nursing and loving it; we now live in East Boothbay on the ocean — busy with grandchildren, gardening, reading, and traveling (just got back from South Carolina). Miss the 'ole nursing and Melville crowd — would love to hear from you all, especially Judy (my roomie)!"

Lois-Ann Wentworth Holmes writes:

"Finished my BS in Business — WC 2 Plus You in 1981. I was then a RN and several other professions until full retirement in 2015. My husband passed in 2012. I met my partner in 2015 and we have been traveling ever since. Arizona in the winter, Maine in summer and we have been in all 48 lower states —

hope to cruise this coming year. Geocaching is our hobby. We also both hunt, fish, and love to watch birds. Favorite WJC memories include, Proctor Hall/ nursing Program, the Green, and saying 'Hello with a Smile' to everyone you meet!"

Cindi Barber Paris writes: "Happy 50th, guys! Saw **Chrissy Sullivan** and **spoke to Donna Clough Goodrich**. Still close with my fav day student, **Priscilla Rich McGill**. Remember when I played 'Little Mary Sunshine'? I'm happy to say I'm still singing and acting. Last year I played Dorothy in 'A Streetcar Named Retire'; in January, I finished a rewrite of Moliere's 'The Imaginary Invalid' (which many of us at my senior residence presented-hysterical!). I played Toni. Also sang at **Cindy Luncinda Gray Pidacks'** wedding; we are still best friends. Thank you, WJC! Have three grandkids who happily watch all the craziness and loving life near Seattle.

My husband John and I celebrated our 39th anniversary on April 4th!"

Lucinda Gray Pidacks writes: "I retired on August 30, 2018. I worked as a receptionist at a rehab/long term care facility for 21 years. Before that I worked for 27 years as an administrative assistant at the Joslin Clinic in Boston. My husband, Charley, who owns his own business, Village Power Equipment, will retire this year. We love antique shopping and spending time in Maine in the Wiscasset/ Boothbay Harbor area. My other interest is family genealogy. My favorite memories of WJC were the great food, long term friendships, Parents' Weekend when we decorated the lobby in the dorms, Ginn Hall, the faculty talent show, and I could go on and on! I have a year old granddaughter, Katherine, and a grand-dog, Gracie. We always visit the campus when we are in the Portland area."

Janice Stewart Musen writes: "I have been happily retired from the public health sector for the last 10 years. During that time I've split my time between New York City and CT when I'm not traveling. I also love spending time with my two grandsons, age three and a half and one and a half in Boston, playing tennis, golf and hiking. I have lost touch with many of you and would love to reconnect with

Sheila Graves and **Patti Flannigan** especially. You can contact me at janmusen@yahoo.com. Hope the rest of you are well!"

Carolyn Allen Blunt writes: "I am retired from banking for three years now. My husband and I have owned a sporting camp for thirty years called Grants Kennebago Camps in



Christine Callahan Sullivan writes: "After graduation from WJC, I went to Southern Illinois University for my BS. I taught dental hygiene, married, then moved to the Pacific Northwest. I had four children. Now I'm working at the museum of glass in Tacoma, WA."

1970

Bonnie Richardson Baxter writes: "After working as a Dental Hygienist since 1970, I retired in March 2018. My husband of 38 years passed away in 2017 after his courageous battle with lymphoma. Since then I've moved back to my hometown and I'm enjoying it to the MAX!! Former classmates and dear friends **Virginia Choate**

Oliver, Debbie French Smith and **Marguerite Damon** and I meet several times each year for loving support, fun and many laughs. I count my blessings daily...."

Sara Walker Beverage writes: "We moved from Nottingham, NH in December of 2016 to Leesburg, Florida. We love the weather, but travel back by motor home to our summer cottage in Maine for a few months each summer. We have four grandchildren ranging in age from 19 to 7 years who come to visit in Florida. Living an hour from Disney World is a real plus! Hope to see you all next year at our 50th!"

Carolyn Allen Blunt writes: "Hi all, we have a new chapter in our lives as we have recently moved from our seaside beach cottage in southern California to the Southwest,

Rangeley, Maine. We travel in the winter to Civil War battle fields and National Parks. We enjoy fly fishing along the way. We have five grandchildren ranging from nine to twenty. Our two children live in Maine and help with camps when they can."

Sara Daxberger Jones writes: "It is always a disappointment to receive the Alumni News and have no news from the class of '70! I have attended several reunions with **JoAnn Jastrab Webb**. It's been amazing to see the campus growth as well as the development of the Portland area. I have been retired from dental hygiene for close to a year. I highly recommend retirement! I help out with 3 of my grandchildren quite a bit. I am faithful to my gym routine. There never seems to be a dull moment. I've been able to travel abroad quite a bit. I still hope to visit the Scandinavian countries and travel down under to Australia and New Zealand. I often think it would be nice to be in a warm, sunny climate from November thru April! Our 50th reunion is rapidly approaching.

JoAnn, Debbe, Maggie, Ginny, Bonnie: what do you think?!? I hope life has been good to all my classmates from '70 and will continue to be so."

Janice Stewart Musen writes: "I have been happily retired from the public health sector for the last 10 years. During that time I've split my time between New York City and CT when I'm not traveling. I also love spending time with my two grandsons, age three and a half and one and a half in Boston, playing tennis, golf and hiking. I have lost touch with many of you and would love to reconnect with

Sheila Graves and **Patti Flannigan** especially. You can contact me at janmusen@yahoo.com. Hope the rest of you are well!"

Carolyn Allen Blunt writes: "Hi all, we have a new chapter in our lives as we have recently moved from our seaside beach cottage in southern California to the Southwest,

specifically Santa Fe, New Mexico. I have retired as a registered dental hygienist after over 40 years of care to wonderful patients and 30 years retirement as a clinical psychologist (Ph.D.) Not sure what I want to venture into next, will keep you updated. My husband, Kevin, is still employed in the wine business and works 10 minutes from our new home. Our son, Cameron, has just started graduate school at the University of Warrick in England. New life, new state, new finds — Santa Fe is called the city different, we will embrace this glorious area as ours now."

1972

Peggy O'Toole Filloromo writes: "I have been enjoying my retirement now for about three years. I stay very busy with volunteering, grandchildren and travel. John and I have eleven grandchildren who we enjoy seeing frequently for their sporting events, dance or chorus recitals or just to hang out together. We are very lucky that they are near enough to visit often. This coming spring will be the seventh year that I have overseen a volunteer-run vegetable garden in our town where everything that is grown is donated to our town food bank, town free lunch program or area soup kitchens. The "Colchester Giving Garden" passed the 5,000 lb. mark of donating last summer. From April through October, I am busy pruning that garden as well as a second small one at our church. This spring, I am volunteering with an organization that offers free medical, dental and eye exams to the indigenous people in the Andes Mountains of Ecuador. I am looking forward to helping there once again. I got to visit with my Westbrook roomie, **Janet** for a fun filled afternoon a few months ago. I would love to meet up with other Linnell/D.H. friends anytime. Sure hope this note finds you in health, grateful and content. Best wishes!"

1973



Larry Godbout writes: "A mini reunion at OOB this summer: Larry Godbout, Tom Glynn, Andy Bartlewski, Tom Violette, Paul McDonough, and Donato Iannucci sitting."

Kathleen Cannan Vachowski writes: "After 45 years of practicing dental hygiene, I am now working just one day a week for a periodontist in North Conway, NH. This has left my husband, John, and I time to pursue other adventures. We bought a small motor home last fall and have taken it on short and extended trips. We now have four grandchildren, three of them in Alaska with our son Aaron and his wife Cassie, and one in Bridgton Maine with our son, Adam, and his partner, Becky.

We are able to see our youngest granddaughter on Tuesdays (its Gram and Grampa day). Hoping to spend some time this winter in warmer climates and then back to Lovell Maine, where we've lived for 43 years."

1974

Laura Bendersky Lurie writes: "I have lived for 11 years in Williston VT, and am still doing dental hygiene three days a week. Jeff has retired, but I have a few more years. Our son, Sam, age 36 will marry this summer. Our daughter is 30 and doing well – they both live near Boston. I am enjoying horseback riding, gardening and the beauty and quiet of Vermont."

Margaret Swanson Schleiff writes: "So glad to have this opportunity to say hello to old friends! I am still living on our little homestead in the West Virginia mountains with my husband, Florian, four cats, one dog and two miniature Jerusalem donkeys. We grow lots of food in the garden and orchard and pasture Black Angus heifers in summer. Three of six children live close by: two of the boys took over the family construction business and they are all involved in a local food/farmers market project. I am busy one day a week volunteering in elementary and middle schools: reading out loud, tutoring, mentoring and helping with a Junior Master Gardener class for fourth graders. We spent two and a half weeks this winter touring France and visiting Florian's mother in Southern Germany. France was especially beautiful. With phrase book in hand we made our way through Paris, tiny villages, lots of churches, cathedrals all the while dreaming what might have happened if we had moved there back in 1985 instead of coming back to the U.S. Ah, daydreams..."

1976

Cynthia Willey Brandt writes: "It's been a while since I've written. In December 2015, I retired from Indian River Co (FL) Fire Rescue after 25 years as a paramedic. Retirement was hard for me to handle – I'm such a Type A person that I needed to work. In December of 2017, I started teaching at Eastern Florida State College in the Public Safety Dept.

I am a Clinical Instructor in the local hospitals and Skills Instructor on campus for EMT and Paramedic students. I also teach advanced cardiac classes for the local hospital group, so I now work three days a week and I love it. Paul, my significant other, and I have done some traveling. He's from MA with family there, so we go up there every few years. My kids are local; I see my son, daughter in law and their 3 kids fairly frequently. I also spend a fair amount of time sewing, that's my relaxation! I'm hoping to be at the Reunion in 2021...45 years, oh my!!"



Joni Hardwick Maliszewski writes: "Hello from Franklin TN where my grandson is showing his love of the Patriots and their 6th Super Bowl ring! He and Tom Brady share a birthday and Roman will be a big brother in September. My husband and I are enjoying some travel in our 5th wheel and are leaving for Italy in May. Our life is hectic at times but I try to slow things down with yoga four times a week and volunteering at a Pro Life clinic in Nashville, my church, and cooking for those in need. Would love to hear from more classmates..."

the class of 76 is not a very active bunch! Let's make an effort next time and please let me know if you're in Nashville!!!"

1978

Pamela Warren Brooks writes: "I had a wonderful time catching up with my Westbrook College friends at our 40th reunion last spring, and am happy to report that none of us has changed a bit! I'm not quite sure the last time I updated everyone on my life, but Dean and I will be celebrating 36 years of marriage this coming summer, and he was able to retire from ironworking almost three years ago. We just got back from a cruise, and do try to get out of the cold winters for vacation at least once a year. I continue to work at Wentworth Douglass Hospital, where I manage all coding and auditing functions for the facility and physician services. I finally finished up graduate school at St.

Joseph's College, ME a handful of years ago, and have absolutely no future plans to darken the door of any university unless it's for fun! I am active in my credentialing association AAPC, where I volunteer on their education committee, write articles and occasionally speak on healthcare business topics. In my free time, I still do artsy stuff such as stained glass, knitting, some sewing, and gardening mostly. My oldest son, Dan, is 31 and a diesel mechanic, and is married to Amber, who works as an accountant for the city of Portland. Sam, 29, is a project manager for a commercial construction company, and his girlfriend of eight years Maureen, is finishing up her FNP coursework at Husson University. They all live nearby. We still spend our summers in Casco ME, in an RV that sits on the Crooked River where we mostly barbecue and drink fancy cocktails. It's been great to be able to keep up with WC friends through Facebook, and I'm hoping that we can touch base again this summer."



Kim Hubbard writes: "John and I are doing great. We still live in Parsonsfield, Maine. Both of our children have houses of their own now, and we are loving our empty nest. Our son, Colin, is getting married in August of 2020 to his longtime girlfriend, Shelly. **Shelly** is a 2019 graduate of UNE on the Westbrook College campus. Our daughter Lydia works with me at Sacopee Valley Middle School as an Ed Tech. I had a nice visit this summer with my childhood friend and fellow Westbrook College classmate, **Barbara Allen Griggs**."



Lee Kameran lives outside Washington, D.C. with her husband, Eric and their thirteen-year-old son, Chase River. She is a part time Dental Hygienist and paints large-scale oils.

1982

Nancy Girardin Crocker writes: "I have a grand daughter who is 14 months now. Her oldest brother, my first grandson, turns 10 March 17th. The other grandson is eight until July. The dentist I started with

1981



straight out of college retired and I've changed fields. I'm in education and in the middle of my fourth year at ELHS in Auburn Maine."



1983

Kara Morgan Bierman writes: "I am enjoying my job as a PADI OW Dive Instructor at Divers Cove Florida, in Davie, Florida. Scuba diving in Florida is a lot of fun and I enjoy teaching people the skills and about our fragile marine environment. My job has taken me to Roatan and Utila, the Florida Keys, and many dive sites and wrecks off of the Florida Coast. I will be heading to New Zealand and Australia in September to do some diving, snow skiing, and hiking. I can't wait! In the meantime, if any of my wonderful alumni friends are in Fort Lauderdale...let's go diving!! I wish everyone a wonderful summer."



Tony Culotta writes: "Married and living in Tampa, Florida with four awesome grand-kids."

1984

Serena Thivierge Brydon writes: "I've been married for 34 years; I have three grown children, and six grandchildren. I've worked at the City of Tampa, Florida for 16 years."

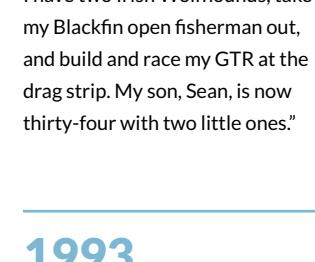


1986

Cheryl Skilling writes: "I have been working in Dental Hygiene full time for the past 32+ years in both General Dentistry and Perio. I am currently working on my BS in Health Informatics at UNE."

1989

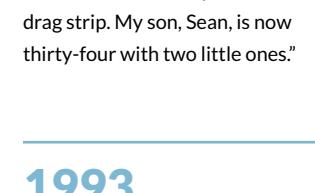
Michael Dorcik writes: "Still a CMO at Coastal Family Health Center, head of the Ryan White program and continue to practice family medicine. I have two Irish Wolfhounds, take my Blackfin open fisherman out, and build and race my GTR at the drag strip. My son, Sean, is now thirty-four with two little ones."



Christine O'Dea writes: "My son just returned from boot camp and advanced training. I could not be more proud. I travel back and forth to Florida many times throughout the year. Twenty-six years of dental hygiene, amazing how fast time flies."

1994

William Mitaritonna wrote a memoir called *Last of the Redmen* chronicling his relationship with his father, Angelo, and Jim Graffam, his basketball coach at Westbrook



Eric Lupoli writes: "Currently working for Reliant Medical Group in Auburn, Massachusetts in the Adult Medicine Department."

1999



Becky Allmon writes: "Presented with the Matthew 25 Award from St. Vincent Medical System of Indiana this year for my volunteer work at Standing Rock in 2016 and 2017, and my work in Quebradillas, Puerto Rico, after Hurricane Maria."

Michael McCarthy writes: "I changed careers from an Occupational Therapist to a Nursing Home Administrator. However, the experience as an Occupational Therapist was invaluable in becoming a Nursing Home Administrator. I operate a one hundred and eighty Bed Skilled Nursing/Rehab Facility in Plant City, Florida. We are a 5-Star facility that recently was voted top nursing homes in the State of Florida by US News and World Report. I recently was honored with the Eli Pick Leadership Award by the American College of Health Care Administrators (ACHCA)"

Sabrina Mitchell started a new position as Program Director at St. Mary's Family Medicine Residency in Grand Junction, Colorado. She is the first female Program Director and the first D.O. to serve as Program Director.

2003

Carol Driscoll writes: "Retired in April 2019."

SuAnne Hammond has new positions as Medical Director of Primary Care for Northern Light Mercy Hospital as well as Chief of Ambulatory Medicine.

Angela Vulner writes: "I went back to school and got my Master's in Education at USM in 2012. I have been a middle school science teacher since then. I married my husband Matthew Vulner in May of 2018 and we welcomed our baby boy in March of this year."



2009



Dr. James Cormier graduated in 2019 from UNE's College of Dental Medicine. On June 22, Dr. Cormier married Krissy Mailman Cormier and they reside in Saco. Dr. Cormier purchased a private dental practice in Kennebunk where he is excited to provide care to the people of Kennebunk and surrounding communities.



Adrienne Schreder (D'Ascanio) **UNE class of '09** and her husband Darren are happy to announce the birth of their first child, Olivia Grace Schreder, on April 22, 2019.

Sarah Selby writes: "I have been on the Emergency Medicine faculty at the University of Colorado School of Medicine/Denver Health EM Residency for the past three years while my husband, Luke, finished his general surgery residency. We are now moving to Columbus, Ohio so Luke can complete a two-year Surgical Oncology fellowship, and I will be EM faculty at The Ohio State University EM Residency. We look forward to this new adventure for us and our two kids, Andrew (six) and Jackson (three)."

2010



Martha Gilman writes: "Going into my third year at Lotus Family Practice in Falmouth, Maine with Catherine Krouse, DO. Doing direct primary care (DPC) model with time to start to practice in a functional capacity: lifestyle changes, herbs, supplements. Doing plenty of OMT and teaching second year students OMM at UNECOM!"



Cat Martins writes: "No career change for me - hitting my ninth year mark as a full time employee at UNE since August 29th, 2010. However, I did just go on a fun trip to Bermuda at the beginning of the month. Snorkeling, deep sea fishing (caught a wahoo, yellow fin tuna, black fin tuna, and rainbow runner) swam on a private island only reachable by boat, explored Hamilton, St. George, and the dockyard, and relaxed on the porch watching beautiful sunrises and sunsets every morning off of Spanish Point. Awesome way to recharge!"

2011

2012



Charisse Cameron writes: "So happy to share I got married on June 21, 2019 to my childhood friend, Michael A. Cameron."

2013

Amber Anderson writes: "Currently working for Reliant Medical Group in Auburn, Massachusetts in the Adult Medicine Department."



Patrick W. Conway is currently a second year child/adolescent psychiatry fellow at University of Louisville.

2014

Nishant Kamthan writes: "I graduated in 2014 and became a Licensed Social Worker. During this time, I worked in a program with veterans in New Jersey for a non-profit organization. Afterwards,

I continued to work in New Jersey at the same non-profit where I was promoted to a supervisory position to manage a residence for people with mental illness. Afterwards, I obtained employment at the U.S. Department of Veterans Affairs in Oregon. Here, I work as a Social Worker in a program to provide assistance to homeless veterans in obtaining a place to live."

2015 with their Bachelor's Degrees in Marine Science so visiting Scripps was a dream come true for the marine biologists.



William L. Cowen, IV, Ed.D., has been promoted to Associate Teaching Professor at Villanova University where he is a longtime director of the public relations program. Cowen is the first graduate of UNE's Doctor of Education.

2015

Dan Williams writes: "I was hired as the Director of Human Services for Green County."

incorporating local ingredients into traditional skin and hair care products. We put sundried mud into our skin care line and local kelp extract into our hair products. Starting a small business has been a journey but I have been helped in many ways (often far removed from my major) by my experiences and time at UNE."



Matt Durdovic writes: "Since graduation, I have moved from Connecticut to the desert in Yuma, Arizona. I took a job as a substance abuse therapist at an inpatient rehab and I am working towards LCSW licensure. I should have that license completed in about 8 months. UNE really did set me up for success."

2016

Anna Fordyce writes: "I was married on September 24, 2017 and our son was born on November 19, 2018.



Kaitlyn Hall Dal Molin '15, '19 and **Thomas Dal Molin '14** welcomed their son, Noah Thomas Dal Molin, into the world on May 23rd, 2019. Mom, Dad, and baby are all happy and healthy!

Cherilyn Mahase writes: "I recently became Program Director for TY program at University of Central Florida/HCA Consortium Osceola Regional Medical Center."

2017



Willow Gertz, Matthew Sheehan, Jessica Lau, and Francesca Medellin traveled to Seattle, WA together. **Willow** and **Matthew** visited Scripps Institution of Oceanography in La Jolla, California. They both graduated from UNE in



William Drury writes: "After I graduated, I started my business, Maine Magic Mud. We specialize in



Dianna Montfort writes: "Adjunct professor."



Madison Ruopp writes: "Since graduating, I've been working for the Hurricane Island Outward Bound School right in UNE's back yard! UNE's orientation program sparked my love of outdoor education so it feels great to continue working in outdoor education and provide students with value-forming experiences throughout Maine!"

2018

Pamela Smith writes: "Aloha! This summer, I have accepted a new position at Hawaii Pacific University as Chief Nurse Administrator and Chair of the Nursing Department overseeing the BSN, MSN-FNP, MSN-AGACNP, and DNP programs."

2019



Eryn Bardsley writes: "I graduated from UNE just this spring and got a job at UNE in the Institutional Advancement Office as a Staff Assistant. I live in Portland, Maine and get to work at my college with a great team! I'm excited to begin this career and have an amazing time connecting with alumni, current students, faculty, and professional staff!"

1939
Jeannette Kezer Fugina
Westbrook Junior College
May 21, 2018

Valva Edna Petersen Rokowski
Westbrook Junior College
April 22, 2019

1940
Barbara Warren Straw
Westbrook Junior College
January 5, 2019

Margaret Farrar Jordan
Westbrook Junior College
January 19, 2019

Margery Gale Mayer
Westbrook Junior College
July 18, 2018

1941
Antoinette "Toni" Casavola
Linnell Going
Westbrook Junior College
November 22, 2018

Elizabeth F. Honan
Westbrook Junior College
December 1, 2018

1942
Barbara Knight Locke
Westbrook Junior College
February 26, 2019

Shirley Marshall Marden
Westbrook Junior College
July 17, 2019

1943
Charlotte J. Russell
Westbrook Junior College
February 4, 2019

1944
Jean Rooney Bembridge
Westbrook Junior College
March 17, 2019

Vaun Elizabeth Dole Born
Westbrook Junior College
September 16, 2019

1945
Marjorie Bell Dearth
Westbrook Junior College
March 8, 2019

Harriet Gifford Gordon
Westbrook Junior College
May 6, 2019

1946
Marjorie Beckstrom Holm
Westbrook Junior College
April 16, 2019

Nancy Stackpole Coffin
Westbrook Junior College
June 5, 2019

Elaine Fungaroli McClellan
Westbrook Junior College
July 27, 2019

Fern Elizabeth Wilson Orr
Westbrook Junior College
November 17, 2018

Gloria True Stanley Davis
Westbrook Junior College
February 16, 2019

Nancy Hobart Nelson
Westbrook Junior College
April 30, 2019

Bettie Brown Leonard
Westbrook Junior College
May 16, 2019

Louise Perkins Shaughnessy
Westbrook Junior College
May 20, 2019

Patricia Proudfoot Lindberg
Westbrook Junior College
January 1, 2017

Jayne Bowkett Wilson,
Westbrook Junior College
May 10, 2019

1948
Marjorie Weinman Sharmat
Westbrook Junior College
March 12, 2019

Barbara Dumican Linnell
Westbrook Junior College
April 11, 2019

Mary Prue Gove
Westbrook Junior College
May 4, 2019

1949
Elizabeth Lee Egizi
Westbrook Junior College
October 18, 2018

Jeanne Blatchford Moulton
Westbrook Junior College
March 18, 2018

Martha Marshall Castner
Westbrook Junior College
January 31, 2019

1946
Nora Harrington Johnson
Westbrook Junior College
February 14, 2019

Joanne St. Amand McKay
Westbrook Junior College
March 17, 2019

Jean Day Birch
Westbrook Junior College
May 5, 2019

Mary Ann Crips Harris
Westbrook Junior College
May 8, 2019

Betty Mayo Caspole
Westbrook Junior College
June 1, 2019

Elisabeth Ricker O'Brien
Westbrook Junior College
September 13, 2019

1950
Janet Freeman Cox
Westbrook Junior College
November 28, 2018

Jane Hodges Parrish
Westbrook Junior College
February 6, 2019

Patricia Proudfoot Lindberg
Westbrook Junior College
January 1, 2017

Jayne Bowkett Wilson,
Westbrook Junior College
May 10, 2019

1951
Dorothy Rice Hews
Westbrook Junior College
December 12, 2018

Mary Prue Gove
Westbrook Junior College
May 4, 2019

1949
Elizabeth Lee Egizi
Westbrook Junior College
July 1, 2019

Jeanne Blatchford Moulton
Westbrook Junior College
March 18, 2018

1952
Edith Harriet McCauley
Westbrook Junior College
November 25, 2018

Margaret Ann Rochford
Westbrook Junior College
October 30, 2018

1953
Joan Stanios Prescott
Westbrook Junior College
June 19, 2019

1954
Janice Grant Bryant
Westbrook Junior College
May 11, 2019

Shirley Tevanian
Westbrook Junior College
May 18, 2019

1955
Martha Roland Peach
Westbrook Junior College
November 28, 2018

Theresa Dorothy Vangeli
Wheaton
Westbrook Junior College
February 17, 2019

Louise Lemieux Spencer
Westbrook Junior College
February 22, 2019

1956
Nancy Turner Morgan
Westbrook Junior College
April 10, 2019

1951
Dorothy Rice Hews
Westbrook Junior College
August 31, 2019

1957
Sylvia Smith Jackson
Westbrook Junior College
January 19, 2018

Barbara Peary Keirstead
Westbrook Junior College
October 13, 2019

1958
Marjorie Reid Martin
Westbrook Junior College
November 28, 2018

Patricia Brady Faucher
Westbrook Junior College
May 10, 2019

1959
Melissa Ewell Hall WJC
Westbrook Junior College
June 9, 2019

Claudette Roux Haq
Westbrook Junior College
October 12, 2018

Anne Aube Kilmartin
Westbrook Junior College
December 16, 2018

Evie Ruth Swanson Strom
Westbrook Junior College
February 14, 2019

Judith Alcott Blackstone
Westbrook Junior College
September 20, 2019

1960
Joyce Doherty Bergholtz
Westbrook Junior College
December 25, 2018

Janice Fortier Matheson
Westbrook Junior College
August 20, 2019

1961
Brenda Moody Albee
Westbrook Junior College
February 17, 2019

1962
Judith Sias Guertin
Westbrook Junior College
August 10, 2019

1963
Barbara Ann Dowd
Westbrook Junior College
January 23, 2019

1967
Salvatore Pullia
St. Francis College
August 16, 2019

1971
Barbara Peary Keirstead
Westbrook Junior College
October 13, 2019

1972
Brian Flanagan
St. Francis College
July 7, 2019

1973
Meredith Cronk Graf
Westbrook Junior College
February 14, 2019

Judith H. Robinson
Westbrook Junior College
December 24, 2018

1974
Linda Butterworth
Westbrook College
February 18, 2019

Suzanne Smith Hill
Westbrook Junior College
July 1, 2019

1966
Arlene Plennert Fisher
Westbrook Junior College
March 9, 2019

1977
Debra Abbruzzi WC
Westbrook College
June 29, 2019

1979
Alan R. Saunders
Westbrook College
May 3, 2019

1983
Stephen Wayne McAuliffe, D.O.
College of Osteopathic Medicine
May 2, 2019

1991
Kimberley Simpson Elliott
Westbrook Junior College
January 3, 2018

1994
John Charles Quigley
St. Francis College
May 22, 2017

2003
Patrick "Joe" Connolly
Westbrook College
November 20, 2018

2009
Elizabth McLaughlin Clark
University of New England
December 30, 2018

David G. Landquist, MSPT
Westbrook College of Health
Professions
May 21, 2019

2006
Tara Ann Verville Zachary
University of New England
March 5, 2019

2009
Travis L. Orth, DPT
Westbrook College of Health
Professions
January 13, 2019

2014
Elizabeth McLaughlin Clark
University of New England
December 30, 2018

FRIENDS

Arthur G. Descoteaux
December 24, 2018

Alfred M. Sheehy Jr.
January 20, 2019

Jonathan E. Skillings, MSHA
June 15, 2019

William J. Audie Jr.
October 23, 2018

Eve M. Bither
September 30, 2019

REMEMBERING DOUGLAS WOOD, D.O., PH.D., HA '16

by Angela Coulombe



Douglas "Doug" Wood, D.O., Ph.D., HA '16, former dean of University of New England College of Osteopathic Medicine (UNE COM), passed away on October 6, 2019, at his home in Annapolis, Maryland. The news of his passing saddened the UNE community and all who knew him. Remembered as an innovator who changed the face of medical education, Wood loved spending time with his students. His leadership helped UNE COM realize its mission of providing outstanding primary care physicians to Maine and the nation at a time of ever-increasing need.

Wood graduated from the University of Michigan and attended medical school at what is now the Kansas City University of Medicine and Biosciences College of Osteopathic Medicine. He completed residencies in internal medicine at Mount Clemens General Hospital and in nephrology at the Henry Ford Hospital in Detroit, Michigan, and was board certified in both of these specialties. Wood earned a Ph.D. in medical education from Wayne State University. He was founding dean of A.T. Still University's School of Osteopathic Medicine in Arizona from 2005 to 2010 and served as president of the American Association of Colleges of Osteopathic Medicine from 1995 to 2005.

"Dr. Wood arrived at UNE COM in October 2012, following a period of great change for COM," shares Jane Carreiro, vice president of Health Affairs and dean of the College of Osteopathic Medicine at the University of New England. "The college had recently grown its class sizes and undergone a curricular overhaul. Using his expertise in health professions education and curricular design, Dr. Wood was instrumental in helping UNE secure a \$600,000 grant from the Josiah Macy Jr. Foundation to support interprofessional education."

UNE COM was the first osteopathic medical school in the country to receive funding from the Macy Foundation. The grant ensured that all health care professionals who graduate from UNE are equipped with the necessary team-based skills to provide high-quality patient care, while allowing UNE to address shortages of health care professionals in rural Maine. "With Dr. Woods' guidance, UNE was able to build upon that grant to achieve national recognition as a leader in Interprofessional education and training," says Carreiro.

On October 7, 2016, the University of New England College of Osteopathic Medicine Alumni Association awarded him the status of honorary alumnus. ■

From left: Dean Wood with Ryan Smith, D.O. '10, then the President of the UNE COM Alumni Association; At the lectern.



"Using his expertise in health professions education and curricular design, Dr. Wood was instrumental in helping UNE secure a \$600,000 grant from the Josiah Macy Jr. Foundation to support interprofessional education"

— Jane Carreiro



UNE-SFC ALUMNI WEEKEND 2019

All of the alumni who came back for Alumni Weekend this year were treated to a glorious September day and a weekend full of activities. We celebrated the contributions and accomplishments of James O'Callaghan '70, Michael Horne '69, Noah Tranten '14, and former UNE Director of Safety and Security Don Clark at the Alumni Awards ceremony and honored UNE donors at the Donor Reception. Alumni were able to enjoy the new landscaping in front of Ripich Commons during the afternoon cookout. The fields and courts were also action-packed with alumni and varsity games. We look forward to seeing everyone next year at the newly named Homecoming!



Clockwise, from top left: Ezzio Partesano '68, Joe Valenza '68 (back), and Sam Sclafani '68 catch up at the Golden Knights breakfast; Alumni Award recipients for 2019 include the family of James O'Callaghan '70, Don Clark, HA' 19, and Michael Horne '69; Rick Forest '70 congratulates Aubrey Jane '21 who spoke at the Donor Reception with Alethea Cariddi, sustainability coordinator; Members of the Class of 2009 celebrate their 10th Reunion; President Herbert joins Alumni Council members Jeanne Fisher Raboin '77, P'09, '14 and Lisa Caron-Bartel '81 as well as Michael Komich '80 and Tom Bartel '82 on the sidelines; Dance team alumni fuel up at the cookout before performing with the current dance team during halftime at the football game; Men's hockey coach Kevin Swallow tailgates with men's hockey alumni; Jim Corrigan '71, Trustee Gary Locarno '70, Tom Nichols '70, and Rick Forest '70 cheer the Nor'easters on to a win; Jim Zoll '69 and Jim Barry '69.

Center photo: St. Francis College Class of 1969 joined by Dean Jonathan Millen and President James Herbert

SAVE THE DATE IN 2020!



WESTBROOK REUNION: JUNE 12-13, 2020

Westbrook Junior College and Westbrook College. Remember to save the date for your reunion!

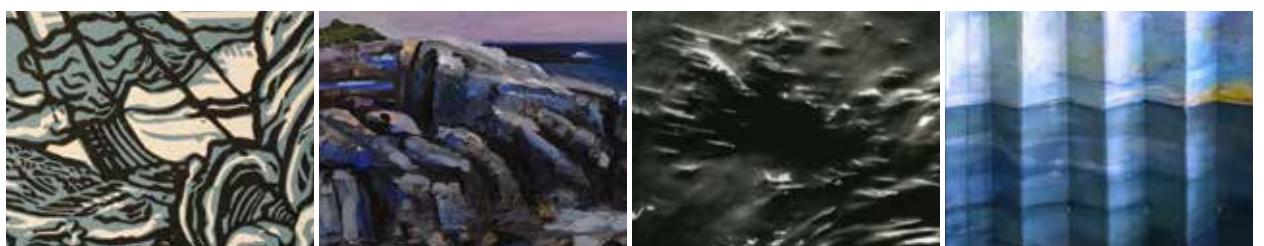
SFC-UNE REUNION: JUNE 19-21, 2020

A new addition to your SFC-UNE alumni event calendar! Beginning in 2020, milestone Reunions will be celebrated in June on the Biddeford Campus. The classes ending in 0 and 5 will begin this new tradition in June.

HOOMEOMING: OCTOBER 2-3, 2020

In 2020, Alumni Weekend and Family and Friends Weekend will combine to become Homecoming Weekend! This celebration will bring alumni, parents, and friends back to Biddeford for a festive fall weekend.

Visit www.alumni.une.edu for updates!



RIVER TO THE SEA 2020 ART DEPARTMENT FACULTY SHOW

UNE ART GALLERY, PORTLAND CAMPUS | JUNE 26 - OCTOBER 11, 2020 | OPENING RECEPTION JUNE 26, 2020

The theme of the 2020 faculty show is the issue of water rights and water access, a pressing concern in the state of Maine and around the world. Co-curating this show with UNE Gallery and Exhibitions Director Hilary Irons will be Diana Furukawa, a current Island Fellow at the Island Institute.

Visit library.une.edu/art-galleries for updates!





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