Dear Friends,

Welcome to 2020 and the 2nd century of the School's history. As we embark on the first of our next 100 years, there are several changes at SAFS to report to you.

First, there are the changes to the newsletter itself: SAFS News has a new writer and editor in Dan DiNicola, our communications specialist since July 2018. Apart from his writing and editing skills, Dan is contributing to the newsletter as an accomplished photographer; look for his photos throughout this issue. The second change is easy to see: the hard copy version is now in color, which means that those of you who receive the newsletter by snail mail can see the photos as they are meant to be seen—in full color.

In Fall 2019, SAFS was pleased to welcome two new faculty members: Assistant Professor Camrin Braun and Lecturer José Guzmán.

Camrin (Cam) Braun comes to us from the UW Applied Physics Laboratory. Cam's research focuses on top predators and their marine ecosystems. Read an interview with him on pages 2–3 and visit his website at http://depts.washington.edu/marinepredators/ to learn more about his research and the Marine Predators Group.

José Guzmán has been with SAFS for several years as a postdoctoral scholar and instructor. He is teaching our marine biology class, a major component of the UW College of the Environment's new Marine Biology major. When he is not teaching, José is conducting research on the onset and progression of sexual development in fishes. Read an interview with José on pages 4–5.

Hot and cold is definitely not the best way to describe our research, but you will find SAFS faculty, staff, and students conducting research and contributing to conservation and management in the world's coldest and warmest regions. As you will see on pages 6–9, we are active from the chilly climes of northern Greenland and its polar bears to the Red Sea and its resident swordfish. The research of SAFS is broader in geographical scope than ever!

I would like to thank all those who continue to give to the School. Your gifts make a huge difference. They allow us to support graduate students who would otherwise not be able to join SAFS, and to explore new research areas. I would particularly like to call out those who are giving to the SAFS Boots in the Mud Fund. Thanks to your
Camrin Braun (Cam), an oceanographer and fish ecologist focused on top predators, joined the SAFS faculty in fall 2019. Prior to coming to SAFS, Cam was a NASA-funded postdoctoral research scientist at the UW Applied Physics Laboratory and before that, a PhD student in Simon Thorrold’s lab at the Woods Hole Oceanographic Institution and the Massachusetts Institute of Technology. Cam’s research leverages computational and field-based approaches to unite biophysical interactions with the challenges of managing fisheries in a dynamic ocean.

AP: Why top predators?
CB: Given the current status of many predator species, there’s never been a more critical time to improve understanding, management, and conservation of top predators and the marine ecosystems they rely on. Predators provide an interesting lens through which to view the pelagic ocean. We can identify many hypotheses about the functional role of deep ocean biomass, but why not leverage top predators as an “evolutionarily informed” oceanographic platform to study these environments?

AP: Describe your current research interests.
CB: All things fish! Fish have been the common thread uniting my research career—from largemouth bass as an invasive in river systems to whale shark movements in the Red Sea. My current projects range from technology development to fundamental oceanographic research to applied fisheries management. However, my main focus is biophysical interactions that drive the structure and function of the marine realm. Currently, this primarily manifests in the movement ecology of pelagic predators and how they interact with the environment.

I often hear people debate the future of exploration. To me, the open ocean—particularly the deep ocean—remains one of the last frontiers on Earth, and I hope to be one of the pioneers in exploring this poorly studied, but critically important, region of our planet.

AP: Why SAFS?
CB: Since my first visit to SAFS, I have been impressed by the faculty and the students; it is clear to me that SAFS attracts some of the best minds in the field. I am very excited to learn from this diverse community while also offering my own expertise. SAFS also provides a really great way to combine my recent oceanographic work with my long-standing interests in fisheries and ecology.

AP: What are your plans for your first few years at SAFS?
CB: My first goal is to integrate into the SAFS team and learn as much as I can from our faculty, staff, and students about the School’s diverse academic and research activities. I’ve started putting together a new course for Spring 2020 on top predators (not just fish). I’m excited to cultivate new relationships within SAFS and the broader UW and Seattle communities as well as to bring fresh perspectives to my research and the way we think about and understand the ocean. I will also be building up a (mostly field-research) lab and recruiting some postdocs and students.

AP: What would we not know about you from your CV?
CB: I grew up in Fish Haven (seriously), a rural town in the Idaho mountains where I learned to love fish without an ocean. Later, I managed to craft my passion into a career. This path took me from watching cutthroat trout in mountain lakes to living on the Saudi Arabian Red Sea coast, studying the world’s largest fish (whale shark). Somewhere during that transition, I joined a team of scientists studying ecology of marine megafauna, which has taken me to fishing villages in Sudan and the remote reaches of the world’s largest marine protected area. In my spare time, I enjoy diving and offshore fishing. I even have a German shorthaired pointer named Mako.

Camrin Braun tagging swordfish off the coast of south Florida; bottom right: Cam in the Azores, tagging whale sharks as part of a National Geographic-funded project; below: Cam satellite tagging a blue shark off the northeast coast of the United States.

Photo credits: top right: Steve Dougherty; bottom right & below: Tane Sinclair-Taylor
In fall 2019, José Guzmán was appointed as a lecturer at SAFS, where he had been an instructor from 2015 to 2019. José has been recognized for his teaching excellence, receiving both the UW Distinguished Teaching Award and the College of the Environment Outstanding Teaching Award in 2019. A native of Spain, José earned his BS, MS, and PhD degrees in Marine Sciences at the University of Cádiz. Before coming to SAFS, José was a postdoctoral fellow at the Northwest Fisheries Science Center, NOAA Fisheries.

DD: What attracted you to the marine sciences and Seattle?
JG: Like many in my generation who didn’t live near the coast, the answer is Jacques Cousteau and the Calypso! I remember those long summers in my home city, Cordoba, Spain, when I was kid. At 4 pm and 115°F, the only thing we were allowed to do was either take a nap or watch TV—and I have always been a bad sleeper. They used to play The Undersea World of Jacques Cousteau documentary series on public television on repeat, and I remember becoming mesmerized and thinking, “I so wanna do that!” With time, I moved to Cadiz to pursue an undergrad degree in Marine Sciences, followed by a master’s and PhD. Then, in 2011, I moved to Seattle for a postdoc in Penny Swanson’s lab at the Northwest Fisheries Science Center-NOAA. The rest is history. Cheers Jacques!

DD: What are your current research interests?
JG: I am interested in the mechanisms that regulate the onset and progression of sexual development in fishes and how this knowledge can be used by the fishing and aquaculture industries to produce sustainable seafood. In my research, I integrate in vivo and in vitro models, combined with genomics, proteomics, and quantitative steroid biochemical analyses to study the interactions of factors along the hypothalamic-pituitary-gonadal axis at critical stages of the fishes’ reproductive life history. Also, after I started at UW, I became passionate about effective teaching and the science behind it. I evaluate pedagogical interventions that contribute to academic achievement in non-traditional students—who constitute a large proportion of the student body at SAFS and UW.

DD: Why SAFS?
JG: In 2015, I was finishing my postdoc at NOAA and thinking about my next career move, when I realized that I did not have any experience teaching—I had done both my PhD and postdoc in purely research institutions. By that time, a colleague told me that SAFS was looking for an instructor to help develop courses for the Marine Biology major. My plan was to stay at SAFS for maybe a couple of years, finish a bunch of papers that I had pending from my postdoc, get some experience teaching, and go back to Europe where I would continue my research career. Once I started teaching at SAFS and realized the lifelong impact that we have on our students, I knew I had found my niche. Everyone has a plan until they get punched in the mouth—right?

DD: How has your teaching style influenced your classroom and students?
JG: Well, my students should answer this one! I decidedly try to create a “low-risk” environment in my classroom, where everyone is welcome to talk, to ask, and... to fail! Sessions are sequences of questions designed to challenge students to think, to make connections between concepts and draw their own conclusions, rather than to regurgitate facts. All this work is made by talking with partners in a small group, or with the entire class, and very importantly, giving and receiving continuous feedback. At the start of each course, some students may feel uneasy, almost cautious with this mode. However a few days in and everyone starts talking comfortably, taking risks, and thinking creatively, and that is when magic happens!

DD: What could we learn about you that isn’t in your CV?
JG: I am a pretty laid-back guy with a dry sense of humor, who probably swears too much. When I am not teaching or in my office figuring out ways to challenge my students, I am exploring the Pacific Northwest one way or another with my husband Nico, my fierce yorky Paco, and an amazing crew of friends. If it’s winter, you can find me skiing; if summer, running, biking, swimming...or just chilling in any body of water.

Photo credit: Penny Swanson

Photo credit: UW Photography/Denise Wise

top: Implanting a prepubertal female sablefish with sustained-release pellets containing reproductive hormones to induce ovarian development; bottom: Got sablefish?
Learn more at: fishsystematics.com/pacisles/

**PAC-ISLEs Explores Oceania**

PAC-ISLES (Present-day and Ancient Connections between Island Societies and Local Ecosystems) is a year-long student research program funded by the National Science Foundation. The year is punctuated by an immersive overseas research experience in Oceania. This year’s UW cohort will travel to Tonga, where they will study its anthropological and biological history and the connectivity between indigenous cultures and fish communities across several islands. Students will work alongside an interdisciplinary group of UW faculty that includes Luke Tornabene (SAFS) and Holly Barker (Anthropology). They will also have the opportunity to work with international marine ecologists, who have experience collaborating with Pacific Islander communities. The program will emphasize teaching underrepresented UW students, including at least six Pacific Islanders. Students will analyze their findings and compare them with the extensive biological and anthropological collections at the UW’s Burke Museum of Natural History and Culture. This program has the potential to advance the understanding of biological and cultural diversity on and around the Pacific Islands, while simultaneously promoting an exchange of knowledge between scientists and Pacific Islander communities abroad and here in the US.

Learn more at: fishsystematics.com/pacisles/

**Caribbean Invaders**

The highly invasive lionfish has established itself throughout much of the Caribbean and along the US east and Gulf coasts. Lionfish have successfully invaded and altered shallow coral reef ecosystems by being both voracious predators of young reef fishes and less susceptible to parasite infection than native fishes. Lionfish have also invaded deeper coral reefs, where they are less visible and data are harder to gather. Currently, SAFS researchers are collecting and examining lionfish from both shallow and deep coral reef sites off Curacao and comparing the diets of the fish and their parasite burden across depths. “This research is incredibly exciting because studies on deep sea lionfish are particularly difficult to conduct,” says Rachel Welicky, a postdoctoral researcher in Chelsea Wood’s lab. “Our access to hard-to-collect fish, via a deep sea submersible, allows us to answer numerous questions that may have a significant impact on lionfish management.” Ongoing research will help determine if lionfish are limited by parasites and what they are consuming at deeper depths. This research is particularly important because fishes at deeper depths are of reproductive age, and if lionfish are not weakened by parasites and are as voracious as they are on shallow reefs, then the future of native reef fish populations may be bleak.

**Future Rivers**

Freshwater science has long been a cornerstone of SAFS research. Our faculty and researchers have projects that span the world’s tropics, including Southeast Asia, India, Africa, and South America. Across these regions, healthy and well-managed freshwater ecosystems are essential to millions of people. Because of the important societal and economic benefits freshwater systems provide, the challenge is to understand the potential impacts of changes to these ecosystems on communities. Future Rivers is a National Science Foundation Research Traineeship Program led by Gordon Holtgrieve (SAFS) that aims to gain a better understanding of how freshwater systems function and respond to change. Future Rivers trainees gain real-world experience on management and environmental sustainability options and on the interactions of food, water, and energy sectors. The program, part of the UW EarthLab Initiative, emphasizes science communication with stakeholders and teaches students technical and data science skills and helps enhance their cultural awareness. Students learn to apply their new skills within fields outside of academia, thus helping to create connections among academic, government, and industry partners when addressing freshwater issues.

Learn more at: freshwater.uw.edu/science/future-rivers/

**Effects of Melting Sea Ice**

The Bering Sea, home to one of the world’s largest and most profitable fish fisheries, is experiencing a warming trend that is dramatically changing the duration and timing of sea ice advance and retreat. This accelerated transformation has impacted its sub-Arctic and Arctic food webs—the foundation of many important commercial fisheries. George Hunt (SAFS) is investigating the cascading effects caused by the loss of sea ice and its impacts on stock abundance and distribution for many species. Sea ice in the eastern Bering Sea supports the growth of ice algae, an important food source for zooplankton, which in turn feed larger fish. With less ice available, algal populations decline and so will the fish that depend on the sea-ice supported food web. Melting sea ice also cools the water and results in a pool of cold water near the bottom. This provides a refuge for the young of commercially important fish by deterring predatory fish less tolerant of colder temperatures. With a loss of sea ice, fish populations will likely diminish in the southern Bering Sea—some species will move northward in search of prey no longer present in the south, thereby becoming less accessible to southern-based fisheries. To aid in fisheries management, scientists are working to develop models that predict fish abundance and size based on future climate conditions.

Learn more at: access.afsc.noaa.gov/REFM/REEM/ ecoweb/pdf/EB2019_ESR-Brief.pdf

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Learn more at: fishsystematics.com/pacisles/
Some of the numerous SAFS research projects in the northern & southern latitudes

Bering Sea
Diminishing sea ice and the impacts on Arctic food webs
George Hunt, faculty

Melville Bay, Greenland
Foraging ecology of Baffin Bay polar bears
Jenny Stern, PhD candidate

Baffin Bay, Greenland
Narwhal ecology at glacial fronts
Kristen Laidre, faculty

Seattle & Hawaii
Hawaiian corals find a new home in Seattle
Jackie Padilla-Gamnito, faculty
Jeremy Axworthy, PhD student

Oceania (American Samoa, Tonga, Pohnpei)
PAC-ISLEs student research experience in Oceania
Luke Tornabene, faculty
Holly Barker, faculty, UW Anthropology

Curacao
Invasive lionfish in the Caribbean
Rachel Welicky, postdoc
Luke Tornabene, faculty
Chelsea Wood, faculty

Caribbean/Honduras
Tiny fishes fuel life on coral reefs
Luke Tornabene, faculty

Curacqo
Mitigating transmission of tropical diseases
Chelsea Wood, faculty

Senegal
Mitigating transmission of tropical diseases
Chelsea Wood, faculty

Kiritimati (Christmas Island)
Parasite assemblages on reef fishes across decades
Natalie Mastick, PhD student
Katie Leslie, lab tech

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Chapecó River, Brazil
Ecological consequences of small hydropower development
Julian Olden, faculty
Thiago Couto, PhD student

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Kiritimati (Christmas Island)
Parasite assemblages on reef fishes across decades
Natalie Mastick, PhD student
Katie Leslie, lab tech

Bering Strait
Variability in the presence of subarctic whales
Erica Escajeda, student
Kristin Laidre, faculty
Kate Stafford, research scientist, UW Applied Physics Lab

Cambodia
Fish, floods and people along the Mekong River
Gordon Holtgrieve, faculty
John Horne, faculty

Caribbean
Tiny fishes fuel life on coral reefs
Luke Tornabene, faculty

Kiritimati (Christmas Island)
Parasite assemblages on reef fishes across decades
Natalie Mastick, PhD student
Katie Leslie, lab tech

Red Sea
Satellite tagging swordfish in the Red Sea
Camrin Braun, faculty
Martini Arostegui, postdoc

Baffin Bay, Greenland
Diminishing sea ice and the impacts on Arctic food webs
George Hunt, faculty

Melville Bay, Greenland
Foraging ecology of Baffin Bay polar bears
Jenny Stern, PhD candidate

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Narwhal ecology at glacial fronts
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Seattle & Hawaii
Hawaiian corals find a new home in Seattle
Jackie Padilla-Gamnito, faculty
Jeremy Axworthy, PhD student

Oceania (American Samoa, Tonga, Pohnpei)
PAC-ISLEs student research experience in Oceania
Luke Tornabene, faculty
Holly Barker, faculty, UW Anthropology

Darwin, Australia
Ensuring sustainable water management
Julian Olden, faculty

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Photo credits, l to r: Steve Dougherty, Katie Leslie, University of Washington/Mark Stone, Julian Olden, Luke Tornabene, Erica Escajeda
Fish, Film & Fashion

Last year, the UW Alaska Salmon Program partnered with Waterlust, an apparel and media company, to develop a line of salmon-inspired clothing. Waterlust’s clothing line, dubbed “advocated apparel,” aims to bring awareness to aquatic science and conservation-based causes by turning designs found in nature into fashion. The company has previously worked with other institutions and nonprofits to develop prints inspired by sea turtles, whale sharks, and spotted dolphins.

The salmon line includes leggings, tops, and shorts and makes use of the fiery reds and forest greens of spawning sockeye salmon. In addition to the increased exposure for our important work in Alaska, Waterlust donates 10% of the profits from each purchase back to the Alaska Salmon Program.

Waterlust produced two short companion documentaries—one a virtual reality experience—to capture the story of salmon and share it with their customers and the greater public. We are excited to announce you can try this immersive virtual reality film yourself on one of our Oculus Go headsets in the SAFS administrative offices in the Fishery Sciences building. Both documentaries can also be seen on the Waterlust YouTube page at youtube.com/waterlust and throughout the country at select film festivals, classrooms, and museums.

To learn more about the Alaska Salmon Program, visit sites.uw.edu/aksalmon/ and for information on the collaboration with Waterlust, visit waterlust.com/collections/sockeye-salmon.

Awards & Honors

Students

Degree track and faculty advisers in parentheses

In fall 2019, Eileen Bates (MS, Padilla-Gamiño) received a Population Dynamics Fellowship from NMFS-Sea Grant. In 2019, she also won two travel awards: a Wood’s Hole Travel Grant to the ICES Annual Science Meeting in Gothenburg, Sweden, and a Diversity Travel Scholarship to the RStudio Conference in San Francisco.

Katie McElroy (PhD, Hilborn and Quinn) received the College of the Environment’s Outstanding Commitment to Diversity Award in May 2018.

Congratulations to Kylie Sahota (BS), who received the Dani Elenya Environment Scholarship from the College of the Environment in April 2019.

Faculty and Postdoctoral Researchers

Sarah Converse was awarded the Distinguished Service Award from the Department of the Interior, which is the Department’s highest honorary recognition.

Kiva Oken received the best oral presentation award at the scientific sessions and workshops sponsored by the Human Dimensions Committee at the 2019 PICES meeting for her talk, “A bioeconomic simulation for understanding the roles of synchrony and permit access in driving revenue stability on the U.S. West Coast.”

Julia Parrish received the Pacific Seabird Group Life-time Achievement Award for her many contributions to research and conservation of seabirds throughout the eastern Pacific. Julia was also elected to the American Association for the Advancement of Science.

Staff

Two staff members were recognized in 2019 for their outstanding contributions to SAFS:

Lisa Cantore for the excellent support she provides to SAFS faculty and staff during the grant submission process. She is proactive, gives clear guidance, and has incredible institutional knowledge.

Katie Leslie for going above and beyond to accommodate all the new projects, students, postdocs, and undergrads in the Wood lab and for her wealth of knowledge on all things parasite.
Our student research encompasses numerous and diverse disciplines, including biology, ecology, fisheries management, disease, genetics, physiology, and statistics—as well as interdisciplinary subjects—in pursuit of improving our understanding of the interactions between humans, our environment, and the resources upon which we rely.

**BS Degrees**

Jenna Sue Barrett  
Austin Burrill  
Rachel N Cohen  
Sarah Michelle Colosimo  
Trevor Derie  
Josephine Dodd  
Rachel Ellison  
Rachel Fricke  
Kaitlyn Fuentes  
Josephine Gaultier  
Bailey Gilbert  
Duncan Maurice Greeley  
Alanna Greene  
Jonathan Huie  
Florence Irena  
Donovan Charles Irving

Emily Karen Iversen °  
Chyenne Lisenby  
Heather M. Lopes  
Duncan MacKey  
Abigail Moozmillier  
Justin Ng  
Noon Nikomborirak  
Emily C Oven  
Hyejoo Ro °  
Alexandra Sawyer  
Ethan Seay  
Drew Parks Spencer  
Quillen Tran  
Fabienne Urfel  
Ethen Whattam °°  
Katherine Wold  
Sarah Yerrace °

* departmental honors ° cum laude °° magna cum laude

**MS Degrees** (advising professors in parentheses)

Evan Fiorenza (Wood) Parasites of the past: Tracking change in marine parasite abundance over time

Alex Lincoln (Quinn) Selective consumption of sockeye salmon by brown bears: patterns of partial consumption, scavenging, and implications for fisheries management

Kristin M Privitera-Johnson (Punt) Leveraging what we do not know to quantify uncertainty in fisheries management

**PhD Degrees** (advising professors in parentheses)

Martin C Arostegui (Quinn) Nonanadromous life history diversity of rainbow trout (Oncorhynchus mykiss)

Melanie J Davis (Olden/Beauchamp) Dynamic habitat models for estuary-dependent Chinook salmon: informing management in the face of climate impacts

James L. Dimond (Roberts) Patterns, dynamics, and potential roles of DNA methylation in reef corals and their allies

Daniel Hernandez (Kurath/Naish) The host-pathogen interactions of Columbia River Basin Chinook Salmon (Oncorhynchus tshawytscha) and the rhadoviral pathogen infectious hematopoietic necrosis virus

Laura Koehn (Essington) Advances in models for assessing interactions of forage fish and their predators and application to ecosystem based fisheries management (ESFM)

William C Matsubu (Simenstad) Tradeoffs of juvenile steelhead (Oncorhynchus mykiss) rearing in an intermittently closed estuary, northern California, USA

Eleni L Petrou (Hauser) Diversity and population structure of Pacific herring along the Northwest coast: an interdisciplinary investigation using genetics and ancient DNA

Erika S Rubenson (Olden) Life history, distribution, and impact of nonnative smallmouth bass (Micropterus dolomieu) at range boundaries in the Columbia River Basin

**Photo credit:** Tara Brown

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**SAFS Graduation 2019**

[Image of graduation group]

**Photo credit:** Tara Brown

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**Alumni Update**

To sign up for the email version of SAFS News: [fish.uw.edu/news-events/newsletter/](http://fish.uw.edu/news-events/newsletter/) (applies to alumni and friends).

To update your record, visit: [washington.edu/alumni/services/update/](http://washington.edu/alumni/services/update/)

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**Inspire new ideas**

Support the School and the UW with a gift in your will. [giving.uw.edu/planned-giving](http://giving.uw.edu/planned-giving)

For questions, please contact: Office of Planned Giving  
206-685-1001  giftinfo@uw.edu

**Husky Giving Day**

The UW’s greatest strength is our community. That’s why Husky Giving Day on April 2 starts and ends with you. Join us to support the people, programs, and causes you care about most. Please consider a gift toward the SAFS Boots in the Mud endowment and support student field experiences. Together we can change the world.
Gifts
January–December 2019

SABS alumni, faculty, and friends have a long history of generous giving. They continued this tradition during 2019, providing critical financial support for our students, faculty, and programs. We acknowledge and thank you for your sustained support.

$10,000 and Up
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Bering Sea Fisheries Research Foundation
Chigmit Regional Aquaculture
Coastal & Estuarine Research Federation
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Estate of Evelyn Egtvedt Hall Charitable Lead Trust
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Mr. Douglas & Mrs. Michelle Punt
Dr. Thomas Quinn
Evergreen Fly Fishing Club
Golden Alaska Seafoods, Incorporated
Dr. Ray & Ms. Ulrike Hilborn
Dr. William Karp & Ms. Susan Guralnick
Ms. Stephanie Martin & Mr. Charles Simenstad
Pacific Seafood Process Association
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Ms. Hillary Burgess
Clearwater Fly Casters
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Dr. Sarah Converse & Mr. Matthew Bowman
Mr. David & Ms. Judy Cronquist
Mr. Bruce Dahlstrom
Mr. Michael & Mrs. Beverly Dell
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Ms. Kimberly Dietrich
Ms. Nancy & Mr. Gregory Dirks
Dr. Elisabeth Duffy
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Mr. Quentin Edson
Mr. Gerald & Ms. Linda Erickson
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Dr. Elizabeth Babcock
Dr. William Bayliff
Mr. Kirk & Ms. Mary Beiningen
Mr. William Bellnap
Mr. Richard Bohn
Dr. Trevor & Mrs. Ruth Branch
Ms. Beth Bratt
Ms. Hillary Burgess
Clearwater Fly Casters
Mr. Robert & Ms. Miki Conrad
Dr. Sarah Converse & Mr. Matthew Bowman
Mr. David & Ms. Judy Cronquist
Mr. Bruce Dahlstrom
Mr. Michael & Mrs. Beverly Dell
Mr. Dennis Di Julio
Ms. Kimberly Dietrich
Ms. Nancy & Mr. Gregory Dirks
Dr. Elisabeth Duffy
Mr. Gary & Ms. Joyce Duker
Mr. Quentin Edson
Mr. Gerald & Ms. Linda Erickson
Nancy Essington
Dr. Melinda & Mr. Hawley Evans

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fish.uw.edu/alumni-community/giving

For more information, please contact:
Andrew Storms, Associate Director for Advancement
College of the Environment, 206-221-0562, as89@uw.edu

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Dr. Allan Hicks
Dr. John & Ms. Michelle Hitron
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Aquatic & Fishery Sciences News provides information on SAFS teaching, research, and service.

Director               André Punt
Associate Director     Steven Roberts
Editor, Writer, &     Dan DiNicola
Communications
Specialist
Writer & Editor        André Punt
Graphic Designer       Cathy Schwartz
& Editor

Comments are welcome. Please call André Punt at 206-221-6319 or email aepunt@uw.edu

☐ I wish to discontinue receiving this publication.

School of Aquatic & Fishery Sciences
University of Washington
1122 Boat Street NE
Box 355020
Seattle, WA 98195-5020
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