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WORLDWIDE IMPACT, LEADERSHIP, AND ENGAGEMENT

A publication for alumni and friends of the

Yale SCHOOL OF FORESTRY & ENVIRONMENTAL STUDIES

CANOPY

WORLDWIDE IMPACT, LEADERSHIP, AND ENGAGEMENT

FALL 2017

Yale-Myers Forest's Rebuilt Camp and New Research Facilities 11
Field-based Learning Alumni Program at Hubbard Brook 16
Reunion Weekend 2017 24

Yale SCHOOL OF FORESTRY & ENVIRONMENTAL STUDIES

IMPACT

The F&ES community is making a significant impact around the globe.

Canopy strives to share some of the many examples of F&ES leadership in developing innovative and interdisciplinary approaches to a sustainable future.

This map depicts the geographic areas featured in the stories and photographs within this issue.

NOTE The locations of Class Notes are not marked with dots on the map. You can learn about additional initiatives being led by alumni around the world on pages 47-55.

● = Stories

● = Photography

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● = F&ES Alum
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ON THE COVER: This fall, the F&ES community celebrated the grand opening of the newly rebuilt Yale-Myers Forest camp and the new research laboratory shown on the cover. Yale-Myers Forest is entering a new era of innovative teaching, research, and outreach. *Learn more on pages 11, 24, and 25.*

Photo courtesy of Christopher Gardner Photography.

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Learn more: *environment.yale.edu/alumni*

Every time you get a new email address, relocate, or change positions, please send us an update at *alumni.fes@yale.edu*.
If you keep us updated, we'll keep you updated!

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F&ES STRATEGIC PLAN ADVANCES FROM VISION TO IMPLEMENTATION

In recognition of the increasing and diverse array of environmental challenges – requiring ever greater levels of innovative scholarship and leadership – Dean Indy Burke initiated a comprehensive strategic planning process one year ago that engaged the entire F&ES community. The F&ES Strategic Plan was completed in May of this year.

Two overarching outcomes were articulated in the new Strategic Plan: that the School will have a broader and deeper impact on a sustainable future through scholarship, practice, training, and engagement; and that the School's community will grow even stronger.

Inspired by the plan, F&ES community members are working together to design innovative initiatives, including ones focused on climate change, environmental communications, community and inclusion, alumni engagement, data science, and urban science, to achieve these outcomes.

Since the release of the Strategic Plan in May, implementation committees composed of faculty and staff (a number of whom are alumni), as well as student representatives – and incorporating the experienced and candid feedback of the Alumni Association Board and the Leadership Council – have been developing concrete recommendations relating to curriculum, staffing, timelines, research needs, and opportunities for interdisciplinary collaboration with preeminent departments and units across the University. Progress reports will be presented to Dean Burke and the School's Leadership Team in December.

"It's exciting to see the F&ES community working together to shape the future of the School," said Dean Indy Burke. "Teams are thinking creatively and constructively about how to achieve the aspirational vision of the Strategic Plan through bold initiatives with measurable outcomes."

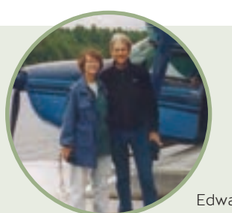
View the F&ES Strategic Plan: ***environment.yale.edu/strategic-plan***

ENVIRONMENTAL PROGRESS FUND

Concurrent with the strategic planning process, Dean Burke created the new Environmental Progress Fund ("Fund"), a spendable fund with a goal of $1 million raised to provide support for new projects and programs that advance the School's long-term strategic interests, including environmental communications, environmental equity and diversity, and interdisciplinary science and research – all areas identified as top priorities of the strategic plan.

The Fund will primarily be used to provide students with advanced training in effective communication, collaboration, and negotiation; to increase diversity through more strategic recruitment and deeper scholarship support, changes to the curriculum, engaging diverse voices on campus, and fostering a national network of diverse environmental leaders; and to provide seed support for faculty and student research on critical environmental issues ranging from environmental health, to natural resource economics, to climate change and energy. Recognizing that time is of the essence, perhaps now more than ever, Leadership Council members Edward Strohbehn Jr. '62 B.A., '63 B.E., '66 M.A., '69 LL.B. and Heather Ross *(at right)* made a generous leadership gift to the Fund in Spring 2017.

For more information, or to join Edward and Heather in support of the Environmental Progress Fund, please contact Kristin Floyd *(kristin.floyd@yale.edu)* in the Office of Development and Alumni Services.



SPOTLIGHT

Edward L. Strohbehn Jr. and Heather L. Ross

Edward joined the F&ES Leadership Council when it was established in 2000 by Dean Gus Speth, a Yale Law School classmate of his, with whom he and several other young attorneys founded the Natural Resources Defense Council in 1970. He has served on the Leadership Council ever since, seeing first-hand the special strengths that each Dean has brought to F&ES. The arrival of Dean Indy Burke is a new opportunity for distinctive leadership and focus, and Edward and his wife Heather are pleased to have made a formative contribution to the Environmental Progress Fund. "We were struck by the ambition and strategic goals of Indy's Environmental Progress Fund. We wanted to provide prompt support to help it get underway."

They have also been happy to meet and get to know a wonderful array of young people studying for environmentally and socially beneficial careers, who they have supported through the F&ES scholarship fund they established in 2010.

ABOVE *Heather and Edward on Long Lake in the Adirondacks.*

EPA FUNDS $2 MILLION INTERDISCIPLINARY YALE STUDY ON FRACKING IMPACTS TO DRINKING WATER AND NEONATAL HEALTH

A 2016 study by the U.S. Environmental Protection Agency (EPA) found that hydraulic fracturing, the unconventional oil and gas drilling procedure known as "fracking," has contaminated drinking water in some cases. At the same time, however, the report found that data gaps and uncertainties made it impossible to fully characterize the severity of the problem.

A new Yale study will attempt to fill some of the gaps. Over three years, an interdisciplinary team of scientists will examine how fracking and horizontal drilling processes affect drinking water quality and neonatal health in the Appalachian Basin, a hotbed region of natural gas production in the U.S.

The co-leaders of the study are Nicole Deziel, an assistant professor at the Yale School of Public Health, and James Saiers, the Clifton R. Musser Professor of Hydrology at the Yale School of Forestry & Environmental Studies. The project will also involve scientists from the Yale School of Engineering & Applied Science. The $2 million study is funded by the EPA.

Q & A WITH PROFESSOR SAIERS

In an interview, Professor Saiers described the health concerns historically associated with fracking, why public concerns about unconventional technologies have waned in recent years, and how this new research could provide important insights into the potential risks. Below is an excerpt of the interview:

For this study you will be looking very specifically at potential health impacts and risk vulnerability.
The study has several facets. The one that I will be leading is an assessment of peoples' vulnerability to groundwater contamination. That vulnerability may depend on where they withdraw their water from in relation to where the gas wells are. It also depends on a number of hydrologic factors that affect the potential transport and dispersion of chemicals away from the source to the people. So we'll try to develop a tool that can give you a spatially explicit idea of the risk, or the likelihood that drinking water will be contaminated should a release occur.

We will then test that by going to more than 500 households within the Appalachian Basin and sampling their drinking water and analyzing it for a whole suite of chemicals. If our model is reasonable, we would expect to find a greater frequency of drinking-water impairment in locations designated as highly vulnerable. The drinking water analysis is being led by Desiree Plata, a chemist at the Yale School of Engineering & Applied Science.

Then ultimately we're going to use this model for drinking water vulnerability as a surrogate for exposure, and see if there's a correlation between adverse birth outcomes and exposure as predicted by this vulnerability model.

You've been looking at impacts in this region for a long time. What have you learned? How concerned are people in these communities about the risks?
The level of concern among the population even within a locale is quite variable. [Dr. Deziel] will tell you that a lot of residents she speaks with are quite concerned about water quality, air quality, about not really understanding the process and the worry that arises from that uncertainty ...

One thing I've learned is that you have to resist the simple assessment of whether fracking is "good" or "bad." There are cases where it has led to problems, but it has also helped lower greenhouse gas emissions and stimulated manufacturing. I'm studying this issue because if we can understand where in the process and on the landscape problems are likely to arise, if we can understand the risks, then we're in a better position to develop safeguards that protect the environment and human health. They're going to be producing natural gas with these technologies for a long time. Even if our electricity grid somehow went completely renewable we still use natural gas for manufacturing, to heat our homes, to heat our buildings. Because we will rely on natural gas for the foreseeable future, it becomes all the more important to take reasonable steps to minimize the impacts of its extraction.

Read the full interview with Kevin Dennehy, F&ES Associate Director of Communications: ***http://environment.yale.edu/news/***

PROFESSOR BELL RECEIVES $4 MILLION GRANT TO STUDY HEALTH DISPARITIES

A research team led by F&ES Professor Michelle Bell has received a $4 million grant from the National Institutes of Health (NIH) to examine environmental health disparities within the U.S. senior population.

Using a wide range of data sets, including Medicare claims, Professor Bell and colleagues from Rice and Harvard Universities will investigate how environmental and socioeconomic status (SES) factors jointly contribute to health disparities among people aged 65 and over, with a focus on Michigan and North Carolina.

Environmental health risks, such as air pollution, can be exacerbated in communities facing socioeconomic "stressors" – such as deteriorating housing, poor health care, crime, and poverty. Some individuals, including members of racial or ethnic minorities, may also face higher environmental health risks. Further, older individuals can be especially vulnerable due to lower baseline health levels and longer cumulative exposure to potential risks.

"We're focusing on an older population not because other groups aren't important, but because this particular group is already especially vulnerable to health problems and environmental factors," said Bell, the Mary E. Pinchot Professor of Environmental Health at F&ES and primary investigator of the study. Other partners in the study are Marie Lynn Miranda, Provost and Professor of Statistics at Rice University, and Francesca Dominici, Professor of Biostatistics and co-director of the Data Science Initiative at the Harvard T.H. Chan School of Public Health.

Using statistical and geospatial modeling, the team will calculate the differences in health risk and exposure to environmental and socioeconomic factors among the senior population. They will also determine differences by subpopulation (such as race/ethnicity, age, sex, and community socioeconomic status) for associations between environment and socioeconomic factors and specific adverse health outcomes, including cardiovascular and respiratory hospital admissions, emergency department visits, and mortality. Ultimately they will combine disparities in exposures and in health responses to calculate the overall environmental health disparities.

"Although it is widely agreed that multiple environmental and socioeconomic factors affect health, less is known about their complex interactions," said Professor Bell. "Our long-term objective is to investigate how these factors jointly contribute to health disparities in the older population."

By identifying the most common contributors to these environmental health disparities, the scientists hope to identify potential opportunities for intervention and improved health policy.

Grant support comes from the NIH's National Institute on Minority Health and Health Disparities, whose work touches the lives of millions of Americans burdened by disparities in health status and health care delivery, including racial and ethnic minority groups, rural populations, populations with low socioeconomic status, and other population groups.

PROFESSOR ANASTAS RECEIVES EPA LIFETIME ACHIEVEMENT AWARD

Professor Paul Anastas, a pioneer in the field of green chemistry, was recently honored with a Lifetime Achievement Award from the U.S. Environmental Protection Agency (EPA).

And earlier this summer, the Italian Chemical Society awarded Anastas the SCI "Silver Seal" Medal, for his contributions to the development of green chemistry worldwide.

"I never view any award that I receive as being for one individual," Professor Anastas said. "Rather it is recognition of the worldwide community of green chemists of which I am proud to be a part."

DR. ANN CAMP '90 M.F.S. RETIRES AFTER 17 YEARS

Ann Camp '90 M.F.S. recently retired from F&ES where she served as a Senior Lecturer and Research Scientist for nearly 17 years. In addition to teaching courses in forest dynamics, fire science, entomology, pathology, and invasive species, she served as Assistant Director of the Yale School Forests.

Under Dr. Camp's leadership, the annual Southern Forestry Field Trip has become a fixture at F&ES. In addition to visiting large-scale tree plantations and non-industrial private landholdings, students tour mills, meet with alumni, and learn about the ecology of the South.

"Ann has the uncommon skill of being able to relate her scientific expertise to aspiring practitioners and scientists," said Mike Ferrucci '81 M.F., a forester and former colleague who co-led the Southern Forestry Field Trip. "This skill, coupled with her passion for teaching, contributed to her well-deserved reputation as a forestry professor from whom to take multiple and often quite-varied courses."

After completing her Ph.D. at the University of Washington, where she studied with Professor Chad Oliver '70 M.F.S., '75 Ph.D., Dr. Camp went to work for the U.S. Forest Service. She researched forest dynamics, including the effects of disturbances on vegetative patterns at stand and landscape scales, and the roles of insects and pathogens in creating forest structures.

Despite being a highly respected researcher, Dr. Camp says she wanted to do more than just scientific research. "I came here to teach," she said, referring to F&ES. "I had a great research job with the Forest Service and if I wanted to be judged on research, I would've stayed there. I came [to F&ES] because it was time to give back to the next generation. I felt I could do more for my profession by teaching 30 students a semester than I could ever do with research."

Read an article about Camp's retirement: *http://environment.yale.edu/news/*

F&ES CO-SPONSORS YALE CLIMATE CONFERENCE

In September, F&ES co-sponsored the Yale Climate Conference, a nonpartisan gathering devoted to exploring climate change solutions with leaders from business and government. The conference was led by former Secretary of State John Kerry '66 B.A., a Distinguished Fellow of Global Affairs at Yale, and hosted by the Kerry Initiative based at the Yale Jackson Institute for Global Affairs. In addition to F&ES, the Yale School of Management and Yale Law School co-sponsored the two-day event.

The conference began at F&ES's Kroon Hall where Kerry hosted a panel discussion on the future of energy. Participants included Ernest Moniz, former U.S. Secretary of Energy; Jonathan Pershing, former U.S. State Department's Special Envoy for Climate Change; Tony Earley, former CEO and Current Executive Chair of the Board, PG&E Corporation; Heather Zichal, former Deputy Assistant to the President for Energy and Climate Change; and Mark Boling, CEO of 2CNRG, which develops low-carbon energy solutions.

"We're not here to debate the science," Kerry said. "We're here to lay out an agenda, and to measure where we are and measure where we have to go and how we're going to get there."

During a two-hour discussion, the panelists explored the prospects for achieving bipartisan support for climate action, the role of the marketplace in supporting innovation, the frustrations posed by the U.S. regulatory framework and aging infrastructure, and the prospects of such alternatives as small-scale nuclear power.

They also discussed what it will take to achieve the goals of the Paris Agreement – particularly since the Trump Administration indicated that it would pull the U.S. out of the agreement – and whether that will even be enough to meet the threat of global climate change.

"We are heading to a low-carbon future," said Moniz, who served as energy secretary under President Obama. "It may be a bit rockier without federal leadership … but that's where the world is going. And that means a multi-trillion-dollar global clean energy marketplace."

Five other panel discussions, all moderated by Kerry, included key business, political, and diplomatic leaders, such as James Baker, former U.S. Secretary of State and former U.S. Secretary of Treasury; Jerry Brown, governor of California; Hank Paulson, former U.S. Secretary of Treasury; Jeffrey Immelt, Chair of the Board, GE; and actor Leonardo DiCaprio.

Teaching and research are fundamental to the Kerry Initiative. Kerry will lead a seminar open to students from across the University in the 2017-2018 academic year. He will also engage with students at the Yale Law School, School of Management, Divinity School, School of Forestry & Environmental Studies, and the Jackson Institute. Through the Kerry Fellows Program, Yale undergraduate and graduate students will collaborate with the Kerry Initiative on leading-edge research and high-profile publications for a global audience.

Kicking off the event, F&ES Dean Indy Burke thanked Kerry for his leadership in the climate arena and for his work with the Kerry Initiative. And she explained why the School was an appropriate co-sponsor of the Yale Climate Conference.

"Our School has a 118-year history of providing knowledge and leadership for a sustainable future," she said. "We provide this knowledge and leadership through the remarkable scholarship and applied impact of our faculty and through our professional master's and doctoral programs … We conduct cutting-edge scholarship, but beyond that we're really unique because we're not in an ivory tower. We do scholarship for impact. We bring science to society."

F&ES Dean Indy Burke offered introductory comments at the event in Kroon Hall. Former Secretary of State John Kerry '66 B.A. (seated far right) moderated the panel on the topic of the future of energy.

INTERACTIVE ONLINE COURSE TAKES ALUMNI ON A "JOURNEY OF THE UNIVERSE"

This past spring, Professor Mary Evelyn Tucker and Professor John Grim conducted a version of their massive open online course (MOOC), "Journey of the Universe: The Unfolding of Life," designed specifically for alumni. Offered through the Yale Center for Teaching and Learning, the course was open to alumni of F&ES and the Yale Divinity School, where Professors Tucker and Grim hold joint appointments. Eighty percent of the approximately 100 course participants were F&ES alumni.

"Having [participants] from various parts of the U.S. and from around the world was especially inspiring," said Professor Tucker. "One of the messages of 'Journey of the Universe' is that we are creating a planetary civilization that is diverse and yet has a shared evolutionary story. Highlighting our common story helps to work toward a future that is both 'sustainable' and flourishing."

Through a book published by Yale University Press and an Emmy award-winning film, "Journey of the Universe" weaves the discoveries of the evolutionary sciences together with humanities such as history, philosophy, art, and religion. Over the course of six weeks, participants learned from multimedia course materials and weekly online lectures, and interacted with the instructors and each other in online discussions. Professors Tucker and Grim were joined by several colleagues during the sessions, including Professor Brian Thomas Swimme, "Journey of the Universe" co-creator.

The online discussions led by faculty amplified the learning experience. "We loved being able to see alums and hear their questions during our weekly discussion session," said Professor Grim. "It made the course come alive in ways that were engaging for us and the class participants."

Alumni valued the opportunity to learn from and connect with faculty and to engage with alumni from around the world. Matthew Reynolds, Associate Director of Digital Education at the Yale Center for Teaching and Learning, noted that 94 percent of alumni participants who responded to a post-course survey indicated that they would sign up for another Yale MOOC.

"'Journey of the Universe' was an exciting course that brought together environment, philosophy, theology, physics, evolutionary biology, astronomy, and a host of other fields for us to learn about and discuss the existence of the Universe and the formation of life within it," said participant Nicole Chevalier '99 M.E.S. "I valued the exposure to concepts and fields that may have been on the periphery of my own education, and especially enjoyed the discussions and the ideas that were brought forth."

Professor Tucker reflected on the experience of teaching this course to alumni. "[Professor Grim and I] came away with a renewed feeling of how special the F&ES alumni community is," she said. "They are clearly doing such valuable environmental work. But they are also reflecting more broadly on the meaning of that work in relation to the larger Earth community. This is marvelous to see."

PEABODY MUSEUM EXHIBIT FEATURES THE RESEARCH OF F&ES ALUM

"Invisible Boundaries: Exploring Yellowstone's Great Animal Migrations" is an interdisciplinary exhibition that combines art and science to explore the meaning of wildlife migrations to the Greater Yellowstone Ecosystem. Ecologist Arthur Middleton '07 M.E.M., artist James Prosek '97 B.A., photographer Joe Riis, and videographer Jenny Nichols worked together over several years to develop the project.

"Invisible Boundaries tells an important story of how we conserve nature, the ways in which we succeed, the ways we are failing, and what future strategies may need to look like."

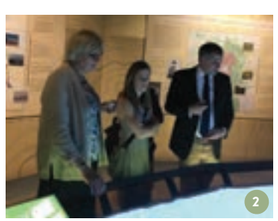
Dave Skelly | *Director, Yale Peabody Museum of Natural History and Frank R. Oastler Professor of Ecology, F&ES*

The exhibit opened at the Peabody Museum of Natural History in September 2017 and will run through March 25, 2018. The interactive exhibit is designed to engage viewers in learning about science through multimedia storytelling. It features stunning large-scale photographs, a high-tech 3-D map depicting Yellowstone's wildlife migrations based on Dr. Middleton's research, over 20 Yellowstone wildlife-inspired paintings by James Prosek, a video showing how data was collected by tracking and tagging wildlife from a helicopter, and objects from Yale's collections that share parts of the history of art and science in Yellowstone, the world's first National Park.

The exhibit was originally developed by the Draper Natural History Museum and the Whitney Western Art Museum located at the Buffalo Bill Center of the West. It was augmented with objects, photographs, and printed materials from Yale's collections. The exhibit will continue on to other museums after it closes at the Peabody Museum. The next stop is the National Museum of Wildlife Art in Jackson, Wyoming.

Professor Dave Skelly, Peabody Museum Director, led alumni on a tour of the "Invisible Boundaries" exhibit and the museum's collections during Reunion Weekend *(see page 30 for details)*. We encourage you to visit the Peabody Museum soon to view this interdisciplinary exhibit.

Professor Skelly reflected on the benefits of communicating science through interdisciplinary storytelling. "Clearly, you have the capability to reach and motivate a larger and more diverse audience," he said. "The story in the exhibit is compelling on so many levels that people with no interest in conservation end up learning and becoming engaged in the issues."



1 *James Prosek '97 B.A., Arthur Middleton '07 M.E.M., and Peabody Museum Director Dave Skelly at the opening of the exhibit.*

2 *Dr. Middleton (right) describing the 3-D wildlife migrations map to Professor Susan Clark and an exhibit opening attendee.*

CONNECTICUT GREEN BANK, LED BY BRYAN GARCIA '00 M.E.M., RECEIVES PRESTIGIOUS AWARD

The Connecticut Green Bank, a first-of-its-kind model for green financing first conceptualized at F&ES, has been awarded the 2017 Innovation in American Government Award, one of the nation's most prestigious awards for excellence and creativity in the private sector, from Harvard's Ash Center for Democratic Governance and Innovation. The award, which includes a $100,000 prize, recognizes the Green Bank's pioneering approach to financing clean energy projects through the quasi-public entity.

"The Connecticut Green Bank has sparked a green bank movement. Our simple promise of increasing affordability and accessibility to green energy has evolved into a greater commitment to our stakeholders," said Bryan Garcia '00 M.E.M., President and CEO of the Connecticut Green Bank.

Established in 2011 by Connecticut Governor Dannel Malloy – while Daniel Esty '86 J.D., Yale Hillhouse Professor of Environmental Law and Policy, was Commissioner of the Connecticut Department of Energy and Environmental Protection – the Green Bank uses limited public dollars to attract private investment for clean energy projects, such as solar and wind installations, to help reduce the state's greenhouse gas emissions while creating jobs and stimulating local economic development. In just six years, the Green Bank and its private investment partners have generated $1 billion in clean energy investment in Connecticut.

Bryan says the Green Bank, which has allowed the state to expand its energy efficiency and renewable energy project deployment by up to tenfold, has hired a number of F&ES students and alumni who are prepared to lead a movement to make clean energy more accessible and affordable.

"We believe that everything we do, we do to help families thrive and businesses grow," he said. "We do it in the interest of achieving inclusive prosperity not only within Connecticut and across the country, but around the world."

DAN UTECH '97 M.P.P.M./M.E.S., FORMER WHITE HOUSE ADVISOR, RETURNS TO F&ES AS LECTURER IN ENERGY POLICY

As the former Deputy Assistant to the President for Energy and Climate Change at the White House during the Obama administration, Dan Utech '97 M.P.P.M./M.E.S. helped craft landmark environmental policies such as the Clean Power Plan and the new fuel economy rules. Previously, he worked as a Senior Advisor to Energy Secretary Steven Chu and, before that, he spent 10 years as a legislative aide in the U.S. Senate. This fall, he returned to F&ES as a lecturer to inspire the next generation of environmental policymakers. We caught up with Dan to learn about his work as an energy and climate policy advisor and to hear about his course, "Energy Policy in Practice."

What are some of your proudest accomplishments from your tenure as the top climate advisor at the White House?
I'm proud to have played a role in the development of the Clean Power Plan and the set of fuel economy rules, which hadn't been updated in 30 years. In terms of their potential impact on U.S. emissions and reshaping the energy economy to be cleaner, those are the two biggest accomplishments. Of course there were hundreds of people involved in making those things happen. I was just fortunate to play a small role in pushing them along.

What do you see as the role of the federal government in promoting public health and a clean environment?
I think it's an important responsibility of the federal government, and it's one that the current administration is not tending to. I do think, however, that other actors are stepping into this space. Considerable progress has been made in part because of the Obama administration initiatives, but also because of private sector investment and state policies. Renewable energy and other clean technologies are now competing effectively in the marketplace. That's not to say there isn't a need for continued policy across the economy to move toward deep decarbonization targets more quickly than would otherwise happen.

You're currently teaching a course titled "Energy Policy in Practice." What kind of advice are you giving current students who are interested in this kind of work?
I understand that many people are discouraged with the direction of the current administration. But while the opportunities are perhaps harder to find than might have been the case at some other times, there's still valuable work to be done in Washington from two perspectives: first, helping to push back against the current administration and helping to frame an alternative agenda. Second – and perhaps even more important for students who will soon be recent grads of F&ES – is to develop professional skills that will serve them down the road. If you're able to find an opportunity that is interesting to you, then you should go and try it out. There's a lot to learn about how the town works, and all of that information doesn't change with the administration. That said, if you can find an opportunity at the state level, that's also a great place to be. If you can find an environment where you can play a more proactive role, not a defensive one, that's really important right now.

What's it been like for you to return to F&ES as a lecturer?
It's been really rewarding for me to come back to campus in this capacity. Some important things have changed since I left, such as the addition of Kroon Hall, for example. But not withstanding those changes, the spirit of the place is familiar to me. And it's really encouraging to see so many bright young people who are excited about launching their careers in this really important field.

"Energy Policy in Practice" and other aspects of the F&ES energy curriculum are made possible by the generous support of the Beinecke family.

CLASS OF 2019 BRINGS GLOBAL PERSPECTIVE TO F&ES

28 countries

2–4 years average work experience

27% international student population

The Yale School of Forestry & Environmental Studies was excited to welcome the Class of 2019 to campus this fall. The 154 students come from around the world *(see map above)*.

The class includes students from typically represented countries – including China, India, and Mexico – as well as individuals from nations that haven't been represented in several years, such as Morocco, Madagascar, and Ukraine. Two Indonesian students are attending as part of a new forestry initiative sponsored by USAID and the Center for International Forestry Research. The class also includes six Fulbright Scholars, the largest group in recent memory.

"We're thrilled about the many levels of diversity we continue to see and the student interest in contributing unique perspectives to the F&ES community," said Rebecca DeSalvo, Director of Enrollment Management & Diversity Initiatives.

Alumni – Help Recruit Talented F&ES Students from Around the World!

Here are some of the ways you can get involved:

- Meet or speak with a prospective student to share your experiences and answer questions.
- Identify potential students through your networks and encourage them to consider F&ES.
- Attend, host, or serve as a speaker at a prospective student event.
- Help set up a recruiting event at an academic institution, business, or organization you are affiliated with.

To volunteer, email: *alumni.fes@yale.edu*
Admissions questions: *fesinfo@yale.edu*
Learn more: *environment.yale.edu/admissions*

REBUILT CAMP AND NEW RESEARCH FACILITIES CELEBRATED

Even before a devastating fire that destroyed the Yale-Myers Forest camp, Professor Mark Ashton '85 M.F., '90 Ph.D., Director of the Yale School Forests, described the story of the forest as one of "renewal, regrowth, and regeneration." These words particularly resonated this fall, as the F&ES community celebrated the grand opening of the newly rebuilt Yale-Myers Forest camp and new research facilities at a Harvest Festival which brought together faculty, staff, students, alumni, and friends of the School.

The recently completed camp buildings retain the look and feel of the old camp structures while featuring several improvements, including a larger kitchen and common meeting space, redesigned bunk quarters, and a new classroom with high speed internet access. A fieldstone fireplace in the common room is built largely from stones salvaged from the former structure.

The new research facility houses a wet laboratory, a herpetarium, and a soils lab which will enable student and faculty researchers to process samples on-site.

1 *The new Yale-Myers Forest camp buildings.*

2-3 *Supporters of Yale-Myers Forest and its related programs enjoyed a tour of the new research facility with Dean Indy Burke, faculty, and staff and learned about new initiatives.*

4 *Marlyse Duguid '10 M.F., '16 Ph.D., Thomas G. Siccama Lecturer in Environmental Field Studies and Associate Research Scientist, led a field walk for a group of supporters of the expanded programs at Yale-Myers Forest.*

5-6 *Harvest Festival activities included apple cider making, honey making, timber sports, a locally sourced dinner, and music from Yale's Tangled Up in Blue.*

Shannon Murray '14 M.E.M., former Yale Forest Manager, encourages all students to take advantage of the forest while they're at F&ES. "It's a chance to get a sense of how data collection and analysis is conducted within the context of a specific site," she said. "No matter what field you're in, whether you're strictly in a data-driven science field, or working on policy, writing, land management, or business, it's important to know how information is generated, how uncertainties are built into it, and how people try to adjust for that, so you can work with the data to make better decisions."

Located in the towns of Ashford, Eastford, Union, and Woodstock, Conn., Yale-Myers Forest is a center for educational programs, research, and demonstration in sustainable forest management. At 7,840 acres, it is the largest of the seven School-owned forests and the single largest piece of property used for educational purposes by Yale University.

ANNUAL REPORT

Overall Fundraising

Fundraising achievement in FY 2016-17 posted another strong result, totaling over $11.9 million in new gifts and grants to F&ES. One of the highlights of the year was the record-breaking performance of the F&ES Annual Fund which tallied new highs in the total amount raised and alumni participation – see related story on next page. We are incredibly thankful to our alumni for their active role in supporting the School and its students.

We were thrilled to welcome Dean Indy Burke to campus last October, and she quickly engaged our alumni and friends to create a new vision for the School, resulting in the Strategic Plan issued in May. A new Environmental Progress Fund was created simultaneously to provide seed funding in a number of new strategic areas – see related story on page 4.

Among many notable gifts and grants received throughout the year was a renewal of the Environmental Leadership and Training Initiative (ELTI) program through a five-year, $4.9 million grant from the Arcadia Fund, an outpouring of gifts in recognition of the 10-year anniversary of the Yale Center for Business and the Environment (CBEY), leadership gifts to support a new Forest Manager position, and new permanent funds to support summer internships for F&ES students to hone their professional skills.

As you read this edition of *Canopy*, please think about how you might support the School through opportunities to give back in areas that were important to you: internships, field trips, scholarships, the School Forests, etc. However you choose to support the School, its current students, and its mission, your gift is always greatly appreciated!

Emma Crow-Willard, '18 M.E.M. candidate, on her summer internship in the Mission Mountains Tribal Wilderness on the Flathead Indian Reservation in Montana. She is making a film about cross-border conservation in the Crown of the Continent Ecosystem, which spans the U.S.-Canada Rockies and seven Indian/First Nation lands. Learn more about students' summer internships and research on pages 22-23.

THE POWER OF THE F&ES ANNUAL FUND

In FY 2016-17, the F&ES Annual Fund collected

1,253 GIFTS

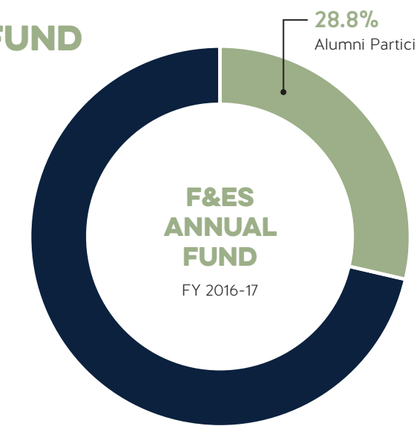
that were immediately spendable, totaling

$322,518

equal to the annual yield of an endowment of

$6.4 MILLION

(without having to raise $6.4 million!)



If all alumni had made last year's average gift, the Fund could have raised

$1 MILLION

ANNUAL FUND

In FY 2016-17 a record 1253 alumni contributed a cumulative $322,518 to the F&ES Annual Fund. Congratulations to the Class of 2017 for the highest participation rate, and to the Classes of 1973 and 1977 for being close behind! These gifts were spent on the School's highest priorities throughout the year, with some of the unrestricted funds, for example, being spent to update the lighting in Bowers Auditorium, leading to significant financial and energy savings in the years ahead.

Annual Fund Medals for Highest Class Participation

GOLD
Class of 2017
89%

SILVER
Class of 1973
56%

BRONZE
Class of 1977
50%

DONOR SPOTLIGHT

Michael R. Johnson '16 M.E.M.

I choose to contribute to the F&ES Annual Fund for many reasons: out of a sense of duty to pay forward the financial support that I received as a student, as a way to stay connected with the school that provided me with a transformative experience, and as a demonstration of my commitment to the continued advancement of scholars who will support and lead in their chosen areas.

I decided to set up recurring monthly payments because I know that even a modest amount, when given consistently, can add up to make a difference. I know there are many causes worthy of financial contributions, and especially as a recent graduate, finding enough to spread around can be a challenge.

Finally, I feel that as alumni we can contribute our wealth, work, and wisdom how and when we can. As a student, I was always grateful when alumni helped facilitate summer internships and guide research projects, or when they visited campus to lead a course or give a lunch talk. Donating is a great way to pay back for those opportunities.

Mike is an Environmental Planner for the Puget Sound Partnership in Tacoma, Wash.

Great Mountain Society

This past year we also expanded the Great Mountain Society to honor all of our consistent donors. To celebrate the launch, everyone who made a gift between July 1, 2016 and June 30, 2017 became a member of the society, regardless of their giving history.

DID YOU KNOW YOU CAN DIRECT YOUR ANNUAL FUND GIFT TO YOUR FAVORITE AREA AT F&ES?

Dean's Priorities

Financial Aid

Internships

School Forests

Unrestricted

STRENGTHENING THE WORLDWIDE ALUMNI COMMUNITY

The F&ES Alumni Association Board (AAB), in partnership with the F&ES Office of Development and Alumni Services (DAS), has developed innovative programs to engage and connect our worldwide community of more than 4,800 alumni.

Stay Connected!

If you haven't been receiving alumni e-blasts from "Alumni Services, Yale School of Forestry & Environmental Studies" recently, please provide us with your most updated contact information (***alumni.fes@yale.edu***). If you have an "@aya.yale.edu" email account and haven't been receiving messages, check to be sure you've activated your new YaleMail account. Visit ***aya.yale.edu/content/yalemail-faqs*** to learn more.

Page Knudsen Cowles '77 B.A., Managing Partner of Knudsen Vineyards, hosted F&ES alumni for a wine-tasting event in July at her family-owned vineyard located in the Dundee Hills of Oregon, overlooking the Willamette Valley. Tara Meyer '15 M.E.Sc., a member of the Alumni Association Board, organized alumni participation in this unique program. Alumni toured the vineyard, learned about the history of the vineyard and the science of growing grapes, enjoyed a delicious lunch, and tasted several exclusive wines. The event was sponsored by the F&ES Office of Development and Alumni Services.

Left-to-right: Tara Meyer '15 M.E.Sc., Josh Fain '15 M.E.M., Clara Rowe '15 M.E.M., Lizzie Marsters '16 M.F./M.B.A., Rushyan Yen '15 M.E.M./M. Arch., Page Knudsen Cowles '77 B.A., Karen McKay '88 M.F.S., Erik Connelly '17 M.E.M., Cathryn Poff '96 M.E.S., Leanne Weiss '16 M.E.M., Shannon Murray '14 M.E.M., Shane Hetzler '12 M.F., and Becca Shively '17 M.E.M.

Educational Opportunities

Alumni have shared their feedback – they'd like more opportunities to learn from faculty and from each other – on campus, where they live, and online. We continue to promote and expand alumni educational programs:

- DAS alumni communications include links to F&ES livestream lectures, podcasts, webinars, and other learning opportunities.
- The AAB has launched a new alumni field-based learning initiative. Three programs have been offered so far – in the Southern Appalachians, at Hubbard Brook in New Hampshire, and at Yale-Myers Forest.
- Reunion Weekend 2017 included educational presentations, topical discussions with faculty and staff, and alumni field trips/tours.
- A special alumni version of the "Journey of the Universe" online course was offered by two faculty members this spring.
- Faculty-led master classes were offered to alumni by the Yale Center for Business and the Environment (CBEY).
- The Yale Environmental Sustainability Summit (YESS) in November 2017 engaged hundreds of alumni from across Yale as speakers, panelists, and attendees. The three co-chairs for YESS were F&ES alumni.

Regional Events

The number of alumni events and participation rates continue to rise. In FY 2016-17:

- DAS hosted 19 regional alumni events.
- 744 alumni participated in DAS-organized programs – the highest total since we began tracking attendance.
- DAS-sponsored event locations included Hawaii, Mexico, North Carolina, Washington, D.C., Oregon, and California.
- DAS also assisted with outreach for many additional informal alumni gatherings.

Volunteer Engagement

Here are just a few examples of the ways alumni volunteer in support of students, each other, and F&ES:

- More than 250 students have been paired with alumni mentors around the world since the launch of the Environmental Leadership Mentoring (ELM) program three years ago.
- Many alumni invested time in contributing feedback to the F&ES strategic planning process through the alumni survey.
- Alumni volunteer as Class Secretaries, helping to keep their classmates connected to each other and F&ES.
- Alumni also volunteer as Class Agents, encouraging financial support for the School from alumni through the Annual Fund.
- Still other alumni are elected each year to the Alumni Association Board.
- Alumni mentor students during their summer internships, host students on job treks at their workplaces, and meet with students for career chats organized by the F&ES Career Development Office.
- Alumni support the F&ES Admissions Office by helping to recruit prospective students.
- Hundreds of alumni visit campus each year to share their knowledge in classrooms, on panels, and at conferences.

F&ES ALUMNI ASSOCIATION BOARD UPDATES

Alumni Association Board Leadership

At their October meeting, the Alumni Association Board (AAB) approved the following members to serve on the Executive Committee for 2017-2018: Sara Smiley Smith '07 M.E.Sc./M.P.H., '16 Ph.D. (President); Joe MacDougald '05 M.E.M. (Vice President); Melissa Paly '87 M.F.S. (Secretary); Jaime Carlson '09 M.E.M./M.B.A. (Ex Officio); and Kris Morico '98 M.E.M. (Ex Officio).

Outgoing AAB Member Recognition

Five members of the Alumni Association Board completed their many years of service this fall: Gordon Clark '07 M.E.M., Jen Molnar '04 M.E.M., Gene Peck '96 M.E.S., Georgia Silvera Seamans '01 M.E.M., and Mary Tyrrell '97 M.F.S. "This year we have a number of incredibly influential volunteers completing their terms on the F&ES Alumni Association Board," said Sara *(pictured below left, with Gordon)*. "We are so grateful for their service, for the impact they have had, and for their friendship over the past six years. These individuals have contributed to building a stronger and more professional AAB, and their stewardship has provided an inspiring model that we will work to carry forward."

"It's been an honor to serve on the AAB for the last six years – and as President for the last year. The dedication and loyalty of F&ES's alumni community to the School, its students, and one another is remarkable. I've enjoyed working with AAB members on a variety of programs like ELM and supporting the School's development of a strategic plan. I'm excited about the initiatives underway and the direction of the AAB's work going forward."

Gordon Clark '07 M.E.M. | *AAB President (outgoing)*

AAB Scholarship

AAB President Sara Smiley Smith announced the two student recipients of the 2017 Alumni Association Board Scholarship during the Reunion Weekend TGIF: Tasneem Islam '18 M.E.M. and Ethan Miller '18 M.F. The scholarships are awarded each year in honor of the late Ruth Allen '72 M.F.S., '77 Ph.D., a former President of the F&ES Alumni Association Board. The recipients exemplify Ruth's passion, spirit of service, and commitment to environmental and health issues.

F&ES Strategic Plan

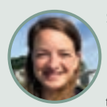
At their fall on-campus meeting, AAB members received an update on strategic plan implementation from Dean Indy Burke and Melanie Quigley, F&ES Director of Strategic Initiatives. They also shared alumni perspectives during sessions focused on aspects of strategic plan implementation. "We are enthusiastic about the deployment of the new F&ES Strategic Plan and working as an Alumni Association Board to find ways to support its implementation," said Sara. "It is an exciting time to be thinking about how we can harness the power of our alumni network to have impact, and what we can do to provide continued learning opportunities to make our alumni even more successful in their efforts."

New AAB Members

The AAB also welcomed the new members below at the October AAB meeting. More AAB nominations were received this year than ever before. Alumni cast over 800 ballots in this year's election, which is a significant increase over previous years.

Saleem H. Ali '96 M.E.S.
Newark, Delaware

Saleem H. Ali is an environmental planner whose research and practice focuses on ways of resolving ecological conflicts through technical and social mechanisms, as well as exploring novel ways of peace-building between corporations, governments, and communities. He holds the Blue and Gold Distinguished Professorship in Energy and the Environment at the University of Delaware and is a Senior Fellow at Columbia University's Center on Sustainable Enterprise. He has also held the Chair in Sustainable Resources Development at the University of Queensland's Sustainable Minerals Institute in Brisbane, Australia (where he retains professorial affiliation). Saleem is a citizen of Australia, the U.S., and Pakistan but appreciates that the most consequential role for us all must be as planetary citizens.



Sue Ely '07 M.E.Sc.
Portland, Maine

Sue is the Clean Energy Policy Advocate and Staff Attorney for the Natural Resources Council of Maine (NRCM). Prior to joining NRCM, Sue worked as an Attorney-Advisor in the Office of the Solicitor at the United States Department of the Interior where she advised the Department on matters related to environmental, natural resource, and administrative law. Sue has also worked for several environmental nonprofit organizations in Alaska on grassroots organizing and environmental and energy policy. She holds a B.A. in Environmental Studies from Mount Holyoke College and a Juris Doctor from Duke University School of Law.

Cilla Kellert '74 B.A., '81 M.F.S.
New Haven, Connecticut

Cilla is the Program Director of the wilderness orientation at Yale for undergraduates known as FOOT, or First-Year Outdoor Orientation Trips. Created with Jamie Williams '86 B.A., '89 M.E.S. 33 years ago, she now puts over 500 students in the woods every August. During the year she oversees the training of 140 FOOT Leaders. At the Hopkins School in New Haven, Cilla initiated, developed, and taught environmental science, wrote the environmental plan for the school, and headed its sustainability committee. In addition, Cilla taught a seminar at Yale on environmental education. Working with Yale University Press, she completed her late husband Professor Stephen Kellert's ('71 Ph.D.) last book, "Nature by Design," on biophilic design.

Luisa Lema Velez '06 M.E.M.
Bogota, Colombia

Luisa is the Public Policy Coordinator for Fondo Accion, a Colombian NGO that works for conservation, sustainable development, and childhood development, and manages the U.S.-Colombia debt-for-nature swap. There, Luisa leads knowledge management and influence in decision-making, working with academia and government. Her career includes working for the U.N. Foundation and the Inter-American Development Bank. She also served as Secretary of Environment of Antioquia, and directed a Master's in Development Practice at the Universidad de Los Andes. Luisa is a Forest Engineer (U. Nacional de Colombia) and a Biologist (U. Antioquia), with a graduate degree in Environmental Law (U. Externado).

Maclovia Quintana '11 B.A., '14 M.E.Sc.
San Francisco, California

After graduating from F&ES, Maclovia worked for the School for two years. She spent most of that time as the Diversity & Sustainability Fellow, working in the Dean's Office to advance diversity and equity initiatives for the School. She then served as the Assistant Director of La Casa Cultural, the Latino Cultural Center at Yale, where she worked to provide academic, social, and cultural resources to Yale's Latino students. She recently relocated to San Francisco where she plans to continue working on diversity and inclusion issues within the environmental field.

View bios of all new and current F&ES Alumni Association Board members: *http://environment.yale.edu/alumni/board-directory/*

ALUMNI-STUDENT FIELD-BASED LEARNING PROGRAM AT HUBBARD BROOK

How many F&ES alums have orchestrated an experimental ice storm in frigid conditions in a remote research forest?

At least one, it turns out – Dr. Lindsey Rustad '83 M.F.S., Research Ecologist, USDA Forest Service. F&ES alumni and students learned first-hand about this ambitious research project – which simulated an ice storm to study the immediate and long-term effects of this natural hazard on a forested ecosystem – at a program this fall titled "Hubbard Brook – Legacy, Research, and Relevance." The interactive program with Dr. Rustad and her fellow research scientists included touring a number of Hubbard Brook Ecosystem Study (HBES) research experiments, and, of course, the iconic Hubbard Brook weirs at the base of several experimental watersheds.

This was the second field-based learning program organized by the F&ES Alumni Association Board in partnership with the F&ES Office of Development and Alumni Services. It brought together nearly twenty alumni, nine current students, and a group of dedicated HBES researchers for an interactive learning program in the White Mountains of New Hampshire from September 22-23.

Developed by Dr. Rustad in partnership with two members of the Alumni Association Board, Melissa Paly '82 B.A., '87 M.F.S. and Jane Sokolow '80 M.F.S., the program gave F&ES alumni and students a chance to learn about the history of one of the nation's pioneering ecosystem studies, interact with several researchers at field sites in the research watersheds, and explore opportunities to establish new connections to enhance the sharing of HBES's scientific findings and resources.

"One of the key goals of the AAB is to broaden opportunities for alumni interaction and participation with the School, and these field-based programs are an important piece of that goal," said Jane. "I am a strong believer in getting people together in more informal ways – outside the traditional classroom and 'meet and greet' situations." She noted that these field-based learning programs are an excellent opportunity to connect alumni and students. "Alumni and students have the opportunity to ask questions, have quality conversations, and network," she said. "In addition, at Hubbard Brook, participants had a chance to talk to researchers from the many institutions who participate in the HBES."

"I really enjoyed getting to interact with the alumni," said Caroline Tasirin, a first-year student. "It helped show me the variety of different paths there are after graduating." Her classmate Michelle Winglee observed: "It was interesting to learn about the different experiments at Hubbard Brook and the policy implications of the research. I also enjoyed connecting with alumni. I felt like [students] brought different perspectives to the table."

Melissa echoed the benefits of field-based learning programs to the F&ES community. "The experience at Hubbard Brook was a great reminder of how much cross-pollination can occur when F&ES students and alumni have a chance to interact in the field, around a meal, or over a beer, learning from each other and thinking about how those new ideas are relevant in all sorts of unanticipated ways," she said.

1

Participants learned about cutting-edge research projects spread across the forested landscape. In one forest stand equipped with subterranean soil heating coils, Dr. Rustad described climate warming and freeze experiments 1, while in a nearby watershed, another group visited a research weir 2 and weather monitoring station 3 with Dr. Charles Driscoll, Professor of Environmental Systems Engineering at Syracuse University, and learned about the watershed studies that have been going on at Hubbard Brook for over 50 years.

2

Participants also had the opportunity to learn from Dr. John Campbell, Research Ecologist, USDA Forest Service; Dr. Gary Lovett, Forest Ecologist, Cary Institute of Ecosystem Studies; and Dr. Sarah Garlick, Director of Science Policy & Outreach, Hubbard Brook Research Foundation. Dr. Lovett shared his research on pests and pathogens 4 and Dr. Campbell described the methods and results of ice storm experiments. 5

3

4

5

> **"The Hubbard Brook program reminded me of how challenging it is to develop the understandings and explanations that practitioners like me use in our everyday work to describe how the climate is changing and why it matters. It was fun to muck around in the complexity of forested ecosystems and be inspired by the generations of scientists who have studied that one corner of the Earth."**
>
> Melissa Paly '82 B.A., '87 M.F.S., | *Alumni Association Board Member*

6

The program kicked off on a Friday evening with a TGIF where researchers, alumni, and students had the opportunity to introduce themselves 6 before enjoying dinner together, followed by an engaging presentation by Dr. Driscoll on "Hubbard Brook's History and Significance in the Study of Ecosystem Science."

Jean Thomson Black '75 M.F.S., Senior Executive Editor for Life Sciences, Physical Sciences, Environmental Sciences, and Medicine, Yale University Press, shared an overview of a book she recently published by Hubbard Brook researchers Richard Holmes and Gene Likens, titled "Hubbard Brook – The Story of a Forest Ecosystem." 7 The book "highlights many of the important ecological findings amassed during the long-term research conducted there, and considers their regional, national, and global implications."

7

Alumni participants shared stories of field seasons at Hubbard Brook with F&ES professors, including Professor Tom Siccama. During a tour of the sample archive, one alum even found the samples she had analyzed as a student.

"It was an honor and privilege to host F&ES alumni and students at the Hubbard Brook Experimental Forest, and I truly appreciated their enthusiasm, insights, and curiosity," said Dr. Rustad. "The discussion on future directions for Hubbard Brook research was particularly useful, with a focus on how environmental sciences can continue to be relevant to ongoing pressing global issues of clean air, food, fiber, and water security. The Yale School of Forestry & Environmental Studies was a leader in these discussions when I was there in '83, and continues to be so more than three decades later!"

This event was sponsored by the F&ES Office of Development and Alumni Services. Student participation was sponsored by the F&ES Global Institute of Sustainable Forestry. We would like to extend our sincerest thanks to the researchers who so generously shared their research during this program. Thanks also to the Hubbard Brook Ecosystem Study (HBES) and the Hubbard Brook Research Foundation staff for making this program possible. HBES is a public-private partnership between the USDA Forest Service, the National Science Foundation's Long Term Ecological Research (LTER) program, the Hubbard Brook Research Foundation, and scientists from research institutions around the country.

ALUMNI ASSIST IN LEADING F&ES EUROPEAN FORESTRY FIELD TRIP

This past spring, eighteen F&ES students were accompanied by three alumni – Shannon Murray '14 M.E.M., former Yale Forest Manager, Mike Ferrucci '81 M.F., F&ES Forest Operations Lecturer, and Tim Northrop '03 M.E.M., former Director of the F&ES Office of Development and Alumni Services – on a trip to Germany and France to participate in a two-week course on European forestry led by professors at the Technical University of Munich (TUM).

During an in-depth series of site visits to forests in Germany and France, the group discussed forest management for multiple goals and uses, including timber production, wildlife habitat protection, and recreation, and observed an active timber harvest on land owned by a forest cooperative. They learned about the history of the national parks system in Germany and the impacts of historic events such as WWI, WWII, and a major storm at the end of the 20th century.

Klaus Pukall, a lecturer at TUM, organized the program; Professor Michael Suda, Chair of the Forest and Environmental Policy department at TUM, participated in part of the trip; and 8 students from TUM participated in the course with the F&ES students. Claire Nowak '14 M.F. organized most of the France portion of the trip and translated for speakers when needed. *(See Claire's profile below.)* The program was funded by the Schoen-Rene Fund of the New York Community Trust.

"The trip was a great success and the organizers seamlessly managed the transition between countries. Students learned about silviculture and forest ecology across several regions of mixed forests in western Germany and France."

Shannon Murray '14 M.E.M. | *Former Yale Forest Manager*

Claire Nowak '14 M.F. (front right) sharing her knowledge of forestry and conservation in France with trip participants.

ALUMNA PROFILE: **Claire Nowak '14 M.F.**

When Claire Nowak '14 M.F. first came to F&ES to study forest management, she expected to learn a specific management approach, such as how many oaks to cut per year. Instead, she says, professors Mark Ashton '85 M.F., '90 Ph.D., Ann Camp '90 M.F.S., and Mike Ferrucci '81 M.F. taught her broad principles about how forest systems work, without imposing their own values. "This holistic approach is very specific to F&ES in the world of forestry schools," she said. "They give students a lot of space to evolve, to develop a way of interpreting ecosystems and respecting the complexity of these ecosystems."

This approach to forest management has proven critical to her ability to work in a completely different type of forest in her native France. Claire currently serves as the Forest Operations Manager at the Green Spaces Agency, a public, state-level agency that buys and conserves land in the Greater Paris Area. Similar to a land trust, the agency targets land threatened by development, purchases it, and then manages it for a range of values, from wildlife habitat to recreation to timber. Claire says her team works in collaboration with local communities, who tend to be very supportive of public management of land that would otherwise be developed.

"We can't fight against urbanization," she said, "but we can make it happen in clever ways, and we can maintain and open up public lands as we do so."

The agency currently owns approximately 35,000 acres, two-thirds of which are forested. Claire, who serves as the point person between the agency and the French National Forest Service, coordinates forest operations, writes management plans, and oversees two-dozen forestry technicians.

As a master's degree student at F&ES, she participated in several forestry field trips, including two trips to Europe. This past summer, she had the opportunity to lead current forestry students on a tour from the German border to Paris. The students visited several national forests and the French National School of Forestry, where Gifford Pinchot, who later founded F&ES, was trained. Claire says she wanted to give the students a sense of how tradition has shaped France's forests, but also expose them to how forest management is evolving in Europe. For example, throughout France, including at the Green Spaces Agency, managers now implement uneven-aged forest management, a departure from more traditional forestry practices.

"I was very grateful to give back to the School and excited to show new F&ES students what we do in France and our approach to forest management," Claire said.

1 *The group focused on recreational use and nature protection on a visit to the Freiburg communal forest.*

2 *Evrard de Turckheim, forest owner and head of Pro Silva France, guided a tour of his family's forestland. He is shown here (center) talking about uneven-aged management.*

3 *In France, trip participants also learned about mountain forestry and continuous cover silviculture.*

4 *The group learned about small-scale private forestry and viewed an active timber harvest. Pictured here are the guide from the forest cooperative Forets et Bois de l'Est and Claire Nowak '14 M.F.*

5 *The group was able to experience the culture, history, and food of the region during multiple stops in cities and towns.*

6 *Tim Northrop '03 M.E.M., Shannon Murray '14 M.E.M., Tina Schneider '12 M.F., and Mike Ferrucci '81 M.F. in one of the municipal forests surrounding the city of Freiburg, Germany. Freiburg is known as of one of the greenest cities in Germany and is situated on the edge of the Black Forest in the southwest corner of the country. Tina is the Manager of the Forest Legality Initiative at the World Resources Institute, based in Washington, D.C., but she grew up in Freiburg and happened to be in Germany, and so was able to join in as a guest on the field trip that day.*

YALE AGROFORESTRY COLLABORATIVE CULTIVATES OPPORTUNITIES FOR STUDENT RESEARCH AND PROJECTS

Last fall, current M.F. students Yasha Magarik and Emily Sigman were talking about their mutual interest in agroforestry projects at Yale and started thinking about ways to collaborate. Along with Shannon Murray '14 M.E.M., the then-Yale Forest Manager, they initiated regular meetings, drew up a statement of goals for the group, and began to align data collection, plant material acquisition, and events. And the Yale Agroforestry Collaborative (YAC) was born.

Agroforestry is an integrated land management approach where agricultural and forestry practices are intentionally interwoven to create more productive, healthier, and ecologically sustainable landscapes. While the term "agroforestry" may be relatively new, in practice, farmers worldwide have intentionally grown trees, shrubs, crops, and livestock together for centuries.

The Yale Agroforestry Collaborative consists of four field sites: the Forest Orchard at Yale-Myers Forest; the Yale Community Forest Garden, between Sage Hall and Kroon Hall; the Yale Landscape Lab at West Campus; and the Jonah Adels Memorial Berm at the Yale Farm. YAC is led by Emily, Nick Olson '16 M.F., Yale Forest Manager; Justin Freiberg '10 M.E.Sc., Manager of the Yale Landscape Lab; and Jeremy Oldfield, Manager of Field Academics at the Yale Farm. In addition to student agroforestry assistants, undergraduate and graduate students from departments and schools across the University are engaged in numerous projects at YAC sites. Two of the four YAC projects are funded in part by the Class of 1980 Project Fund.

In June, Emily presented a YAC poster at the North American Agroforestry Conference in Blacksburg, Va. "I think that F&ES could, with minimal effort, position itself as a regional leader in this space," said Yasha, who last year served as the Agroforestry Assistant at Yale-Myers Forest.

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YALE COMMUNITY FOREST GARDEN 1

The Yale Community Forest Garden, with support from the F&ES Environmental Stewardship Committee, hosts semi-regular work days during which students, faculty, staff, and alumni help with planting, sheet mulching, weeding, and harvesting. The site is also frequently used for special events, including last year's "What Do Plants Sound Like," organized by students from F&ES, Yale School of Art, Yale School of Engineering and Applied Science, and Yale School of Drama.

Read more about this unique workshop: ***environment.yale.edu/news/article/what-do-plants-sound-like-plants-and-the-audible-spectrum***

YALE-MYERS FOREST ORCHARD 2 3

At the Yale-Myers Forest Orchard, F&ES students raise traditional crops, such as cherries, peaches, and nut trees, next to more experimental ones, such as pawpaws and persimmons, so researchers can study how climate change is affecting growing conditions in southern New England. The orchard, which was set up for research rather than strictly production, contains 25 different species, with no more than four plants of any one species. An alumni workday at Yale-Myers Forest is being planned for this upcoming May and the Forest Orchard will be one of the work sites. Additional details will be shared with alumni in 2018.

YALE FARM 4 5

The Yale Farm engages both Yale College and graduate students who use the farm as a living laboratory. Students cultivate and harvest a variety of vegetables, flowers, and eggs, and sell produce at the CitySeed Wooster Square Farmer's Market. In addition, the Seed to Salad program, directed by F&ESers, brings students from New Haven Public Schools to the farm for weekly lessons in food production and ecology.

YALE LANDSCAPES LAB 6

The Yale Landscapes Lab, which currently employs three student assistants, has sponsored several workshops on topics such as compost tea making and cultivating indigenous microorganisms. In addition, students are working to reduce erosion through hill slope terracing. The site engages researchers from across the University. For example, students from the Yale School of Nursing, who grow medicinal herbs at the site, held a memorial planting there earlier this year. *Aerial photo by Ross Donihue, current F&ES student.*

STUDENTS SPENT SUMMER 2017 ENGAGED IN PROJECTS AROUND THE WORLD

Rebecca Lehman
Mountain View, California

"I spent the summer working at the NASA Ames Research Center as a participant in the DEVELOP Program. The program facilitates the use of NASA Earth Observations as decision support tools for environmental groups. I was partnered with the Government of the U.S. Virgin Islands using satellite imagery to understand the decline in coral reefs."

Abigail Smith
Hanoi, Vietnam

"This summer I worked as a Research Communications Fellow at the World Agroforestry Centre Vietnam Office on the Climate-Smart Agriculture team. Climate-smart agriculture practices regard the farm and landscape holistically with the goal of improving livelihoods, adaptation, and resilience."

Holly McLaughlin
Jakarta, Indonesia

"I was based in Jakarta, Indonesia, working on the Sustainable Sourcing team at Unilever, focusing on palm oil procurement. During my time there, I was fortunate enough to travel to Riau and West Kalimantan for two separate projects, and to Singapore to meet with the Director of the team."

Alexandra Vecchio
Auckland, New Zealand

"I spent my summer working for the City of Auckland's Chief Sustainability Office focusing on the nexus between urban water resource management and resiliency. During my internship, I created a report with international case studies, best practices, and recommendations for ways Auckland could strengthen their urban wastewater, drinking water, and stormwater systems against the anticipated impacts of climate change."

Ross Donihue
Canmore, Alberta

"This summer I worked as a Western Research Fellow for the Yellowstone to Yukon Conservation Initiative in Canmore, Alberta. My research focused on human-wildlife conflict strategies in the Intermountain West. I produced maps, photos, and videos throughout my summer fellowship. I am grateful for the chance to explore the Canadian Rockies and collaborate with scientists throughout the region."

The 151 master's degree students who completed their first year at F&ES in Spring 2017 scattered around the world this past summer for internships and independent research. Students must complete a summer internship or research project in order to meet F&ES graduation requirements. The geographic reach and range of projects reflected the multidisciplinary scope of the School. Thirty-two percent of students traveled abroad; those working in the U.S. were spread across 25 different states. Shown on these pages are a few examples of students' summer experiences.

ALUMNI CAREER RESOURCES

Alumni can access job and internship opportunities, post jobs and internships for viewing by students and fellow alumni, and request a resume book of current students for their organization through the F&ES Career Development Office.

environment.yale.edu/careers/

CONNECTING GENERATIONS OF ALUMNI AT REUNION WEEKEND 2017

More than 140 alumni returned to F&ES on October 6-8 for Reunion Weekend, with over 210 total participants (alumni, family members, and faculty) taking part in events and programs. The weekend was packed with alumni activities, including a field-based learning program at Yale-Myers Forest, engaging alumni presentations, an F&ES community-wide TGIF, special alumni tours and programs, and a festive Harvest Dinner.

On Friday, October 6, a group of alumni participated in a field trip to Yale-Myers Forest. They toured the rebuilt camp and new research facilities, learned about Yale-Myers Forest research and initiatives, and participated in a mini-MODS.

SAVE THE DATE!

REUNION WEEKEND
OCTOBER 5-7, 2018

1 *Alumni introductions at Yale-Myers Forest.*

2 *Shannon Murray '14 M.E.M., former Forest Manager, and Nick Olson '16 M.F., current Forest Manager, led a Forest Measurements session for alumni.*

3 *Rob Buchkowski shared his Ph.D. research on how earthworms and grasshoppers impact ecosystem nitrogen cycling with alumni during the tour.*

"It was wonderful to see and hear the connection to Yale-Myers Forest throughout the generations. Thanks for giving the School Forests a chance to reconnect with alums and show off our programs and facilities."

Nick Olson '16 M.F. | *Forest Manager, Yale School Forests*

4 *Marlyse Duguid '10 M.F., '16 Ph.D., Thomas G. Siccama Lecturer in Environmental Field Studies and Associate Research Scientist, guided alumni on a Natural History Walk along the Branch Brook Trail.*

5,6 *Alumni learned about the features of the new research facilities.*

7 *Participants also toured the rebuilt camp buildings.*

REUNION WEEKEND 2017

The Reunion Weekend festivities kicked off Friday evening with a community-wide TGIF in Kroon Hall's Knobloch Environment Center. Alumni had the opportunity to reconnect with classmates, meet alumni from other classes, and visit with faculty, staff, and students.

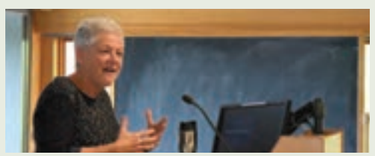
On Saturday morning, alumni participated in topic-focused discussions facilitated by members of the Alumni Association Board, joined by faculty and staff representing the School's Centers and Programs. These engaging discussions – ranging from environmental sustainability to international forest management to conservation science to environmental communication – were very well-received by alumni. Special thanks to the faculty and staff who participated in the discussions representing: the Yale Center for Business and the Environment, Environmental Leadership and Training Initiative, Global Institute of Sustainable Forestry, Yale Program on Climate Change Communication, and Ucross High Plains Stewardship Initiative.

REUNION WEEKEND 2017

Distinguished Alumni Presentations and Keynote Address

This year's Distinguished Alumni Award recipients gave thought-provoking presentations on Saturday morning in Burke Auditorium. Distinguished Alumna Award recipient Laura Falk McCarthy '87 M.F. *(left)* gave a presentation on "Wildfire, Water Source Protection, and the Rio Grande Water Fund." Distinguished Alumnus Award recipient Jerry Melillo '72 M.F.S., '77 Ph.D. *(right)* gave a presentation on "Using Land to Mitigate Climate Change: Setting Targets, Recognizing Tradeoffs." During their presentations, both Laura and Jerry described the knowledge, interdisciplinary approaches, and practical skills gained at F&ES that influenced their careers. *(See pages 30-31 for detailed profiles of Laura and Jerry.)*

Gina McCarthy delivered an inspiring Keynote Address titled "Environmental Leadership: Integrating Science, Policy, and Political Rhetoric." She shared a message of optimism and energized all those in attendance, who gave a sustained standing ovation at the conclusion of the presentation. McCarthy is the Former Administrator of the U.S. Environmental Protection Agency under President Barack Obama and is now a fellow at the Institute of Politics at Harvard's Kennedy School of Government, and a Menschel Senior Leadership Fellow at Harvard's T.H. Chan School of Public Health. McCarthy will be a Zucker Fellow at Yale in Spring 2018.



1 *Outgoing Alumni Association Board President Gordon Clark '07 M.E.M. welcomed alumni to Reunion Weekend and shared updates on key Alumni Association Board initiatives.*

2 *Dean Indy Burke shared a presentation on the "State of the School," which included an update on the F&ES Strategic Plan.*

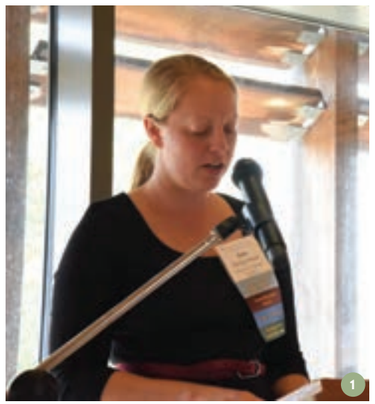
Dean Indy Burke and Distinguished Alumnus Award recipient Jerry Melillo '72 M.F.S., '77 Ph.D.

Distinguished Alumna Award recipient Laura Falk McCarthy '87 M.F. and her daughter Molly.

Professor Paul Anastas and Reunion Weekend Keynote Speaker Gina McCarthy.

Alumni Awards Luncheon

The Alumni Awards Luncheon, held in the Knobloch Environment Center on Saturday afternoon, provided an opportunity to recognize the impressive accomplishments of alumni and celebrate the F&ES community.



Distinguished Alumni Awards

1 *Alumni Association Board (AAB) President Sara Smiley Smith '07 M.E.Sc./M.P.H., '16 Ph.D. led the presentation of the awards.*

2 *Left to right: Dean Indy Burke; Mary Tyrrell '97 M.F.S., AAB member and Executive Director, Global Institute of Sustainable Forestry, who read the award citation; Distinguished Alumna Award recipient Laura Falk McCarthy '87 M.F.; and AAB President Sara Smiley Smith.*

3 *Laura Falk McCarthy gave remarks after accepting the award.*

4 *Left to right: Dean Indy Burke; Distinguished Alumnus Award recipient Jerry Melillo '72 M.F.S., '77 Ph.D.; Gordon Geballe '75 M.S., '81 Ph.D., Associate Dean for Alumni and External Affairs, who read the award citation; and AAB President Sara Smiley Smith.*

5 *Alumni Awards Luncheon attendees listened as the award citations were read.*

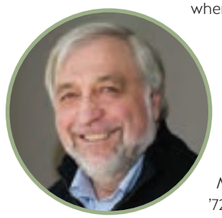
Left to right: Dean Indy Burke, Alumni Association Board President Sara Smiley Smith, and 2017 Prospect Street Award Recipient Mariana Sarmiento '11 M.E.M.

Prospect Street Award

Mariana Sarmiento '11 M.E.M. was the recipient of the 2017 Prospect Street Award, which honors a recent F&ES graduate who has made significant contributions to the environmental field and who exemplifies the spirit of the School through demonstrated leadership, innovation, and creativity. Through an annual nominating process, the Prospect Street Award is intended to encourage all alumni to think broadly about the impressive contributions of alums who graduated in the last decade, reflecting the diversity of environmental greatness that F&ES produces. The alum who nominated Mariana for this award thoughtfully articulated how she epitomizes the leadership, innovation, and creativity that the Alumni Association Board sought in creating the award three years ago, and noted that Mariana is "one of the leading young environmental entrepreneurs in South America."

F&ES ALUMNI RECOGNIZED FOR OUTSTANDING CONTRIBUTIONS

Jerry Melillo '72 M.F.S., '77 Ph.D. and Laura Falk McCarthy '87 M.F. are the 2017 recipients of Distinguished Alumni Awards. The award was created by the Alumni Association to recognize graduates of the Yale School of Forestry & Environmental Studies for outstanding contributions to the fields of forestry or environmental science, policy, or management. See pages 28-29 for an overview of the Alumni Awards Luncheon where they were recognized.



PIONEERING SCIENTIST BRIDGES RESEARCH AND POLICY TO CREATE A MORE SUSTAINABLE FUTURE

More than a quarter century ago, Jerry Melillo '72 M.F.S., '77 Ph.D. began a soil warming experiment at Harvard's Long Term Ecological Research (LTER) site to study how deciduous forests respond to a warming world. His inspiration for the experiment came from the Hubbard Brook Experimental Forest, another LTER site, where he conducted doctoral research under F&ES professors Herb Bormann and Garth Voigt. He credits Bormann and Voigt, along with George Furnival, Bill Smith, Tom Siccama, and George Woodwell, with teaching him the importance of a systems view in understanding the complexity of the environment. He says F&ES also taught him that ecosystem science is a team endeavor.

"I was in a particularly exciting cohort of graduate students," he said. "My fellow students, together with an exceptional faculty, made my time at the School a 'golden period' in my education."

Currently Distinguished Scientist and Director Emeritus at The Ecosystems Center of the Marine Biological Laboratory, Jerry has spent his career researching the impacts of human activities on terrestrial ecosystems. He has conducted field studies from the Brazilian Amazon to the Swedish Arctic, and in the 1990s, he helped design the Terrestrial Ecosystems Model to predict the long-term impacts of climate change.

Jerry served as lead author of the earliest reports of the Intergovernmental Panel on Climate Change, for which he was co-recipient, with more than 100 of his colleagues, of the 2007 Nobel Peace Prize. He also co-led the first three National Climate Assessments for the U.S. Global Change Research Program. While most scientists now agree that human activity is the primary driver of climate change over the past century, he says now the science needs to be clearly communicated to legislators, planners, resource managers, and others who are working to make informed management decisions for the benefit of society.

"I think F&ES has an important role to play in educating individuals who can effectively work at the science-policy interface," he said. "People with this 'bridging skill' are essential for building a sustainable future for the world in the face of the grand challenges of our time, including the challenge of climate change."

He currently serves as Board Chair of the National Academies' Gulf Research Program, a $500 million program to promote oil and gas safety, and resilience of the environment and human communities in the Gulf of Mexico region. "The Gulf Research Program is fascinating because to promote research that will make a difference in the future for this region and its people, you have to be a systems thinker," he said. "It's that basic systems interest that I gained while studying at Yale that has intrigued me about this particular activity."

DRIVEN BY GAME-CHANGING FIRE, ALUM MODELS ECOSYSTEMS APPROACH TO LAND MANAGEMENT

In May 2000, Laura Falk McCarthy '87 M.F. watched as the Cerro Grande Fire raced across Los Alamos County in northern New Mexico. Having previously spent a dozen years working for the U.S. Forest Service, she already knew forest management practices to reduce the most catastrophic impacts of wildfire. But the Cerro Grande Fire, at the time the worst wildfire in the state's history, inspired her to become an expert in fire policy. Five years later, The Nature Conservancy (TNC) recruited her as their first Senior Policy Advisor for Fire and Forest Restoration.

Currently Associate State Director of TNC's New Mexico chapter, Laura has lobbied Congress on fire policy and developed a legislative strategy for TNC that resulted in the Collaborative Forest Landscapes Restoration Act of 2009. But because fire behavior and forest degradation throughout the West is rapidly changing on a massive scale, the implementation of the law didn't work as she had hoped. It was a tough lesson, but one that inspired her to explore other possibilities.

"Policy alone is not the answer. Policy can help, but we need other tools," she said. "And that's what led me to the Water Fund."

The Water Fund, which Laura founded and directs, is a network of nearly 60 charter signatories that helps to secure water resources for one million people by restoring 600,000 acres of forest in northern New Mexico. These forests filter and store a majority of the state's water supply. But overcrowded forests cannot function properly, and frequent, intense wildfires and post-fire flooding can cause extensive soil erosion, leading to debris flows that degrade water quality for communities downstream.

"In my experience you create the new tools by doing. I think the academic part is really important, but we also need people out in the world doing things. The academic part doesn't work alone unless you have some proof of concept applying it."

Laura Falk McCarthy | '87 M.F.

A 20-year program, the Water Fund – which links wildfire, forest management, water quality, and jobs – exemplifies Laura's unique ability to apply systems thinking to environmental challenges. She credits her training at F&ES with professors Herb Bormann, Tom Siccama, and Dave Smith for teaching her an ecosystems approach to land management. "At the time, weaving traditional forestry with ecosystem science was not very common, but F&ES was doing it," she said.

Laura has cultivated broad support for the Water Fund from a diverse coalition, including scientists, conservationists, ranchers, and developers. Her vision and inspirational leadership have garnered numerous awards. In 2015 Governor Susana Martinez named her New Mexico's Environmental Leader of the Year.

"In my experience you create the new tools by doing," she said. "I think the academic part is really important, but we also need people out in the world doing things. The academic part doesn't work alone unless you have some proof of concept applying it. That's been my niche."

RECIPIENT OF PROSPECT STREET AWARD REFLECTS ON F&ES IMPACT

Mariana Sarmiento '11 M.E.M. was the recipient of the 2017 Prospect Street Award, which honors an F&ES graduate from the last decade who has made significant contributions to the environmental field and who exemplifies the spirit of the School through demonstrated leadership, innovation, and creativity. *(To learn more, see page 29.)* We asked Mariana to share a few reflections on her experiences at F&ES and in founding Terrasos, Colombia's first and only provider of environmental offset solutions using a performance-based approach.

How did your time at F&ES prepare you for your current work?

F&ES gave me the opportunity to learn about solutions and ways in which other countries around the world were addressing some of the challenges that Colombia has, and also gave me the tools to be able to understand ways in which I could adopt those approaches to the Colombian and Latin American reality. It not only provided me with knowledge in key subject areas which are instrumental in real world environmental issues but most importantly gave me an understanding of how to integrate those different knowledge areas in order to resolve problems.

To what do you attribute your success at Terrasos?

Perseverance – and not being afraid to think differently and propose alternatives that question the status quo.

What advice do you have for current students at F&ES?

For me, class projects and independent studies gave me an opportunity to explore issues that I was very curious about and that I wanted to work with a specific professor on. I also learned a lot from classes that involved case studies and field trips. I would encourage every student to take advantage of these opportunities and also to cherish the network and the friendships that you create. You never know – you might run into people down the road who will be key in helping you achieve your personal and professional goals.

Mariana Sarmiento '11 M.E.M. is the founder and CEO of Terrasos. An expert in environmental policy design and implementation, corporate environmental sustainability, stakeholder engagement, and environmental conflict analysis, Mariana has worked with organizations to mainstream environmental issues in the decision-making process.

Terrasos initiated the first habitat bank in Colombia and Latin America in 2014. In 2016, the Inter-American Development Bank invested $1 million through the Multilateral Investment Fund, and the habitat bank was formally launched and consolidated with $1.5 million in capital investment commitments. Through its financial, legal, and administrative structure, it will be able to ensure permanent and sustainable conservation results over a 30-year term.

Terrasos has also been working with environmental agencies to include performance-based offset solutions, such as habitat banks, in Colombia's regulatory framework.

REUNION WEEKEND 2017

Special Programs and Tours

Throughout the weekend, alumni had the opportunity to participate in various special programs, tours, and activities.

Kate Troll '77 M.F.S. gave a pre-reunion alumna talk on "The Unexpected Imprint of F&ES" on Friday afternoon before the TGIF. Kate has more than 22 years of experience working in the field of natural resource management in Alaska, focused on climate and energy policy, coastal management, and fisheries. She told stories about how F&ES has affected her career and personal life and invited others to share how F&ES has and continues to influence their own lives. Her talk included a short reading from her recent book, "The Great Unconformity: Reflections on Hope in an Imperiled World." *(Learn more about Kate's work and book in the Class Notes section.)*

Some of the activities were designed for specific groups of alumni, including a five-year reunion overnight trip to Great Mountain Forest for the Class of 2012 *(pictured above)* and individual class dinners on Friday night.

On Saturday afternoon, alumni were given the option to visit museums, libraries, and parks on their own or to participate in one of the special guided tours organized by the F&ES Office of Development and Alumni Services.

One group of alumni joined Professor Dave Skelly, Director of the Peabody Museum of Natural History, for a customized tour. They explored the "Invisible Boundaries" exhibit (see description on page 8) and the Fossil Hall, and then headed behind-the-scenes to learn about the Peabody Museum's incredible collections.

Another group of alumni participated in a guided tour of the Marsh Botanical Garden's greenhouses to view the tropical plant collections, the Desert Collection, the Carnivorous Plant Collection, and other interesting displays. The tour was led by Eric Larson, Manager of the Marsh Botanical Garden.

A guided tour was also offered of the Forest Garden, a living laboratory designed by students in collaboration with the F&ES Environmental Stewardship Committee (ESC) to demonstrate a number of innovative agroforestry techniques and to build community. The tour was led by Sara Smiley Smith '07 M.E.Sc./M.P.H., '16 Ph.D., chair of the ESC. (Learn more about the Forest Garden on pages 20-21.)

1 *Everyone gathered outdoors on Saturday evening for an alumni cocktail reception in front of Kroon Hall.*

2-6 *Following the alumni cocktail reception, a Harvest Dinner with delicious food, music, and a festive fall atmosphere was held in Bowers Auditorium.*

7 *On Sunday morning, alumni enjoyed breakfast in Marsh Hall together before heading home. Plus – the Merlin of Environmental Magic, Cyril the Sorcerer (CJ May '89 M.E.M.) entertained children and adults alike with sustainable sorcery and alumni had the opportunity to learn from Yale undergraduate Natalie Rose Schwartz about the programs at the Yale Farm.*

There was no registration fee required to participate in Reunion Weekend, but alumni were asked to consider making a voluntary donation in support of F&ES. Through their 2017 Reunion Weekend registration donations, alumni gave more than $16,000 towards the F&ES Annual Fund.

CONNECTING AT REUNION WEEKEND 2017

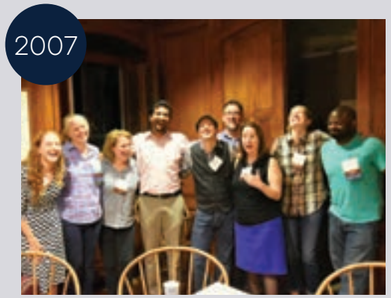
1977

1987

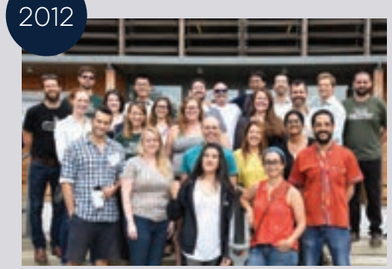
1997

2002

2007



2012



HONOR ROLL

We are pleased to honor alumni and friends of the Yale School of Forestry & Environmental Studies who made gifts to the School between July 1, 2016, and June 30, 2017. We also wish to recognize the corporations, foundations, and organizations that have provided their generous support to the School.

ALUMNI GIVING SOCIETIES

Othniel C. Marsh Associates

$5,000 donation and above.

Sand County Society

$1,000–$4,999 ($500–$4,999 for last ten graduating classes).

Great Mountain Society

Originally, the Great Mountain Society was created to recognize consistent donors from the most recent graduating classes. In FY 2016-17 we expanded the Great Mountain Society to include all consistent alumni donors to the F&ES Annual Fund, no matter the size of the gift.

To launch and celebrate the expanded Society, all alumni who made a gift last fiscal year are considered members, regardless of past giving history. We are so pleased to welcome all alumni donors listed below to the Great Mountain Society! To maintain your membership going forward, simply renew your support of the Annual Fund each year.

F&ES ALUMNI DONORS

1949
Thomas F. Lynch

1950
William F. Cowen

1951
Peter Arnold
Lester E. Bradford
Robert O. Curtis
Robert W. Eisenmenger*
Gerald D. Fitzgerald
Donald S. Page

1952
Robert S. Bond
Eugene M. Carpenter
Gordon Loery
John R. Skeele
William I. Stein

1953
Eric L. Ellwood
Stanley L. Goodrich
Susannah C. Jones
John F. Miller*
Earl W. Raymond
Oakleigh Thorne

1954
James H. Brown
Gordon Hall
Jack R. Mulholland
Roy D. Whitney
Robert L. Youngs

1955
David R. Houston
George R. Lamb
Daniel P. Loucks
Wee Y. Pong
Lawrence B. Sunderland
Kenneth G. Weston
Donald K. Whittemore

1956
Douglas M. Crutchfield
Patrick J. Duffy
Kirk P. Rodgers*
Jack A. Rose

1957
Gertrude E. Huntington
George W. Wendel

1958
Evar L. Knudtson
George R. Stephens*
John P. Vimmerstedt

1959
Robert E. Adams
Hans T. Bergey
Donald S. Girton

1960
Gregory N. Brown
Thomas N. Fearnley
Peter R. Hannah
Lee P. Herrington
Peter M. Huberth*
Kennard G. Nelson

1961
William W. Alcorn
James A. Rollins
Scott Wallinger
Malcolm J. Zwolinski

1962
Roger P. Belanger
Soonthorn Bhothigun
Gordon M. Heisler
Anthony Little
Charles N. Lowrie
Roland K. Tiedemann
Robert C. Van Aken
Carel L. Vanvredenburch

1963
Henry F. Barbour
Julian R. Beckwith
Joseph W. Gorrell
Douglas S. Macdonald
Robert N. Mowbray
Leo Sayn-Wittgenstein
William H. Smith

1964
Frank G. Bock
Read Charlton
Gerald R. Conley
Stephen J. Hanover
Ken J. Mitchell
Bradford W. Monahon
Phillip Sasnett
Wade Staniar
John S. Swart
John G. Worrall

1965
Hollis W. Barber
William P. Blankenship
John E. Blouch
Michael S. Greenwood
Alan W. Haney
James E. Howard
Robert P. Kreitler
Roger W. Merritt
Richard C. Schlesinger
Guy L. Steucek

1966
Edward A. Arens
Gene Day
William G. Horn
James K. Lyle
Robert E. Schweitzer
William J. Shirley
Alden M. Townsend

1967
Reginald B. Elwell
Gordon A. Enk
Peter W. Ludwig
Wyllys Terry
Bradford Wyman

1968
Andrew L. Johnson
Raymond J. Kordish
Martin Lugus
Peter L. Marks
Claude H. O'Gwynn
Hardy L. Pearce
Donald G. Schall

1969
Earle D. Bessey
Davis Cherington
Ah Chun Chu
Raymond D. Clarke
Diana S. Cooper
Harry L. Haney
David T. Harvey
Gregory A. Sharp

1970
Anonymous
Whitney A. Beals
John A. Bissonette
Donn E. Critchell
Douglas M. Ferng
Joseph L. Horowitz
Mack H. Jenkins
William A. Lansing
Steven C. Maurice
Wan H. Ooi
William H. Parker
Patricia F. Riggs
James H. Shaw
Thomas L. Smith
John F. Tinker
Allen L. Torrenueva
Peter C. Westover

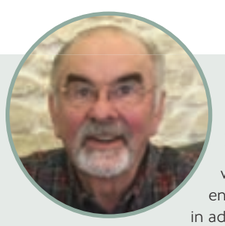
1971
Joseph L. Deschenes
Katharine B. Grantham
Coleman Holt
Donald R. Korbobo
James D. Okraszewski
Syed T. Qadri
Alfred L. Scopp

1972
George F. Ames
John M. Brink
Gary W. Drobnack
David P. Miller
Philip E. Nemir
Priscilla P. Newbury
Richard L. Porterfield
Thomas G. Robinson
Matthew S. Rosen
Oscar G. Traczewitz
John C. Welker
Stephen R. Wells
Timothy E. Wood

1973
John D. Aber
Mark J. Bagdon
Lauren E. Brown
John C. Cannon
Robert H. Cashel
Clyde H. Cremer
Roy W. Deitchman
Thomas J. Dunn
Deborah B. Hill
Samuel G. Hopkins
Milos Krnajski Jovic

1974
Catherine E. Badgley
Spencer B. Beebe
Frances Beinecke
William G. Constable
Charles H. Dauchy
Nancy F. Ehorn
Andrew W. Ezell
Leah K. Hair
Gerard J. Hennessey
Leonard A. Lankford
Norman A. Noyes
Katharine M. Preston
Judith M. Stockdale
Paul S. Wilson
Bradford W. Wyche

1975
Stark Ackerman
Jennifer S. Belovsky
Richard A. Brown
Alyn R. Caulk
Leslie N. Corey
Phillip C. Dibner
Anne S. Fege
Evan S. Griswold
Suzanne M. Kilner
Patrick T. Lee
Stephen M. Levy
Hallie R. Metzger
Diane L. Renshaw
Douglas F. Ryan
Stephen I. Shotland
George B. Weir
Arthur B. Weissman
Dix Leeson
Roy Mendelssohn
Dennis R. Perham
Mark Rasmussen
Mary K. Reynolds
Ruth M. Shane
Edward L. Spencer
Kathryn S. Stockwell
Mark E. Triebwasser



DONOR PROFILE: Milos Krnajski Jovic '73 M.F.

Milos's incredible life journey brought him from his birthplace of Subotica, Yugoslavia (now Serbia), to Canada, to F&ES, and finally to Chantilly, France, with countless international stops in between. Milos pursued his childhood environmental interests at the School of Forestry at the University of Belgrade, where in addition to forestry he studied birds and their migration patterns. Following graduation, few professional forestry jobs were available, but the Jugoslav Peoples' Army drafted Milos, temporarily alleviating the employment situation. Following his service, he emigrated to Canada, where he saw an ad from F&ES calling for applicants. He applied and was accepted, to his great joy. The first semester was quite hard as he had to learn many professional terms and get used to American ways, sometimes leaving the Sterling Memorial Library at five in the morning. The second year passed rapidly, with a seminar titled "The Limits to Growth" drawing his attention as he became more and more interested in the issues of environmental protection. His progression paralleled the School's, as the name was changed to Yale School of Forestry & Environmental Studies that same year.

These experiences recently led Milos to establish a charitable gift annuity at F&ES that will support a scholarship for students working in the fields of steady state economics, the limits to growth, urban sprawl, and the carrying capacities of ecosystems.

"I am happy to have been able to afford giving back to Yale and helping needy F&ES students obtain the unique educational experience, leading to a rewarding career, that I enjoyed." – Milos Krnajski Jovic '73 M.F.

HONOR ROLL

1976

Thomas Barounis
Philip W. Conkling
Susan D. Cooley
Bruce A. Fernald
Joel S. Flagler
Vernita P. Fort
Alexandra C. Goelet
Richard W. Guldin
Sven G. Hultman
Kathleen M. Ligare
John E. Lundquist
Kathleen McNamara
John P. McTague
Anne Peters
Colin S. Peterson
Alan F. Poole
Virginia M. Reilly
Eric E. See
Orville M. Tice
William E. Timko

1977

Keith B. Aubry
Edward A. Brotak
Leon E. Bucher
Javade Chaudhri
Jonathan Falk
William T. Glidden
Benjamin H. Gregg
Steven P. Hamburg
William A. Hanson
Timothy C. Hawley
Charles E. Hewett
Peter S. Homann
Tracy R. Kay
Pamela Kohlberg
James F. Mackie
Andrew O. Melnykovych
Denise S. Mitten
Howard S. Neufeld
Joanne R. Polayes
Robert C. Rooke
Stuart C. Ross
Lawrence M. Schaefer
Robert M. Spivey
Kathryn A. Troll
Richard E. Wetzler
George C. Wheelwright
Brooke M. Wickham
Roger E. Wilde

1978

Carol A. Aubry
Ellen K. Baum
Edward O. Becker
Rebecca E. Bormann
William C. Davis
Peter J. Falco
Kenneth J. Faroni
Robert S. Gipe
Rosine W. Hall
Bruce C. Larson
Michael D. Rees
Regina M. Rochefort
Kenneth L. Rosenbaum
Thomas A. Rumpf
Ralph C. Schmidt
Andrew M. Schwarz
Louise P. Sclafani
Isabell Stransky-Berger
Laura E. Tessier
Dana Tomlin
David Wentworth

1979

Charlotte F. Belser
Christopher N. Brown
Dorothy K. Faulkner
Neil Hendrickson
Patricia S. Leavenworth
James R. Lyons
Robert B. McKinstry
Martha E. Okie
Robert T. Perschel
Hope Pillsbury
Margaret N. Schneider
Martha A. Tableman
Vijay K. Verma
Henry L. Woolsey

1980

Anonymous
Natasha Atkins
Starling W. Childs
Robert D. Comer
Janet L. Hess
Virginia F. Kearney
David B. Kittredge
Thomas McHenry
Thomas D. Mordecai
Curtis G. Rand
Frances M. Rundlett
Alaric Sample
Jane E. Sokolow
Keith D. Stewart
Steven H. Strauss
Jean Tam
Carol Zimmerman

1981

James M. Caffrey
Amy L. Catterton-Janovsky
Marian R. Chertow
Ann H. Clarke
Louise R. Davis
Martha Davis
Michael Ferrucci
Thomas Gaman
Betsy Jewett
Priscilla Kellert
Aaron Mansbach
Elizabeth D. Mullin
Olufemi A. Olaleye
Gail K. Reynolds
James R. Runyan
Keith D. Tait
Carol E. Youell

1982

Michael Bell
Peter A. Cardellichio
Paula Daukas
Jonathan P. Davis
Michael P. Dowling
Deborah R. Finley
Timothy G. Gregoire
Jacqueline K. Hewett
Jonathan Kusel
Phillip C. Lende
Keio Maeda
Diane Mayerfeld
Michael G. McGuinness
Ada Ndeso-Atanga
Benjamin L. Niles
Marie Z. Nolan
Kenneth D. Osborn
Daniel F. Reynolds
Silvia I. Strauss-Debenedetti
Thomas J. Walicki
Nathaniel B. Whitcombe

1983

Lee Alexander
Susan M. Babcock
Louis J. Bacchiocchi
Stephen D. Blackmer
Stephen P. Broker
Guillermo Castilleja
Josephine M. Corcoran
David Gewirtz
Peter T. Hazlewood
Richard M. Huber
Jean M. Maloney Johnson
John A. Parrotta
David E. Reeves
Gregg D. Renkes
James W. Rue
Denise Schlener
Anne-Nicole Schless
Jim D. Serfis
Elizabeth W. Swain
Frederick J. Weyerhaeuser

1984

Sherburne B. Abbott
James R. Anderson
Dustin Becker
Neeloo N. Bhatti
Alan C. Carey
Thomas O. Crist
Barbara B. Dowd
Donald A. Du Bois
Frances F. Dunwell
Rosemary N. Furfey
Mary E. Gillelan
Rose H. Harvey
Leah V. Haygood
Mark J. Kern
Chun K. Lai
Cara Lee
Peter B. Maxson
Sharon H. O'Connor
Bruce A. Phillips
Susan H. Stein
Charles H. Thompson
Timothy R. Williams

1985

Mark S. Ashton
Richard L. Boyce
Alexander R. Brash
Ian R. Cameron
Jane Ceraso
Robert E. Clausi
James S. Coleman
Jeffrey L. Diehl
Mark D. Duda
Caroline S. Eliot
Edward H. Elliman
James J. Espy
Lynne W. Espy
Deborah Fleischer
James B. Friday
Kathleen S. Friday
Tara Gallagher
Lawrence H. King
Evelyn B. Lee
Catherine A. McConnell
Lesley A. Morgan-Thompson
Jonathan W. Nute
Cameron H. Sanders
David B. Steckel
Whitney C. Tilt
Mark J. Twery
Henry L. Whittemore
Stephen Young

1986

Kenneth J. Andrasko
Peter P. Blanchard
David M. Braun
Sarah L. Brichford
Eric E. Carlson
James L. Chamberlain
Mark R. Dillenbeck
Thomas R. Duffus
Elliott L. Gimble
Daniel M. Hellerstein
Nan L. Jenks-Jay
Asmeen M. Khan
Bruce H. Leighty
Brenda R. Lind
Betsy A. McGean
Steve J. Miller
Robert M. Moore
Caroline Norden
Sarah C. Stuart
Robert E. Unsworth
Caroline Woodwell
Mohammed N. Zaman

1987

Karl A. Beard
Christie A. Coon
Chris DeForest
Julie Dunlap
Laura Falk McCarthy
Elysa J. Hammond
Pamela Manice
Elizabeth H. Moore
Annette S. Naegel
Michael A. O'Connell
Melissa Paly
John P. Phelan
James H. Pissot
Christopher E. Pratt
Kathleen M. Rorison
Joshua L. Royte
Steven Taswell
Timothy O. Traver
Jonathan G. Wingerath

1988

Jennifer H. Allen
Martin Christ
Peter M. Connorton
Randall H. Downer
Pieter W. Fosburgh
Stephen C. Gorman
Anthony C. Irving
Brian R. Lockhart
Heidi M. McAllister
Cristin G. Rich
Carlos Rodriguez-Franco
Judy L. Stone
Holly P. Welles

1989

Jeffrey R. Bopp
Lisa Borre
Helena Brykarz
Elizabeth P. Carlson
James A. Cummings
Kyle Datta
David M. Finkel
Kate E. Heaton
Stephen E. Kelleher
Cyril J. May
Judith E. Moore
Sara J. Nicholas
Javier M. Perez
Mary K. Rourke
Laura J. Simon
James C. Williams

1990

Elizabeth H. Aangeenbrug
Joan P. Anderson
Catherine Bealle Statland
Mary Ann K. Boyer
Christine L. Gardiner
Leslie J. Hudson
Peter T. Jenkins
Kristie N. Kapp
Thomas E. Kelsch
Jonathan M. Labaree
Jennifer Lamb
Linda L. Lind
Robert C. Russo
Nicholas R. Simmons
Susannah B. Troner

1991

Susan D. Brodie
Margo L. Burnham
John C. Clayton
Jane Coppock
Gillian T. Davies
Diane W. Duva
James H. Fosburgh
Helmut Gieben
Anthony J. Gordon
Sean N. Gordon
Jennifer Greenfeld
Peyton C. Griffin
Alicia P. Grimes
James E. Grogan
Susan B. Hodgson
Ingrid O. Hopkins
Annette Huddle
Erin L. Kellogg
Joan B. Kelsch
Edward Kennedy
Douglas J. Lober
Kim A. Locke
Betsy W. Lyman
Anne S. Marsh
Mary C. McConnell
Geoffrey McGean
Barbara Milton
Sarah J. Pick
Kristin Ramstad
Juan P. Ruiz
Peter T. Schuyler
Alexandra E. Teitz
Gwen M. Thomas
Jennie Wood Sheldon
Mark T. Zimsky

1992

Anne E. Black
Charles H. Collins
Karl R. Dalla Rosa
Damaris Delgado-Lopez
Katherine K. Farhadian
Peter J. Maille
Lisa K. Pagkalinawan
Peter A. Palmiotto
Joan B. Popowics
Susan L. Pultz
Pamela L. Reading
Mary Rowen
Leigh W. Shemitz
Townsend S. Swayze
Mary B. Verner
Staunton Williams

1993

Mary C. Angelo
Brad H. Auer
Maia J. Enzer
Erik C. Esselstyn
Josh G. Foster
Katharine E. Frohardt
Mark S. Frohardt
Molly! G. Goodyear
Dawn Greene
Kathleen M. Hooke
Daniel H. Hudnut
William L. Kenny
Dexter C. Mead
Heather L. Merbs
Lois L. Morrison
John M. Norwood
Sara L. St Antoine
Eleanor J. Sterling
Anita Van Breda
Bernard A. Weintraub
Margaret D. Williams

1994

Anonymous
Jane L. Calvin
Amity A. Doolittle
Charles T. Enders
Christopher E. Filardi
Stephanie R. Flack
Catherine C. Garnett
Erin B. Girdler
Cynthia W. Henshaw
Erin Hughes
Felton Jenkins
Lorna C. Johnson
Erik Kulleseid
Elizabeth H. McGraw
Michael D. Moffat
Warren K. Moser
Sean Murphy
David M. Nemerson
Jennifer L. O'Hara
Thomas W. Ostrom
Don K. Redmond
William A. Root
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Eileen C. Stone
Diana K. Wheeler
Jane M. Whitehill

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1995

Richard L. Blaylock
Robin A. Cabanos
Josephine Cole
Lisa O. Fernandez
Robert J. Goldstein
Marie J. Gunning
Cassandra J. Hopkins
Johann H. Jessen
James P. Jiler
Kerry A. Kaneda Meyer
Danielle E. Kaplan
Lindsey B. Martinez
Adam R. Moore
Tetsuro Mori
Ken D. Pruitt
Jonathan L. Scheuer
Kristen M. Steck
Christopher G. Woodward

1996

Anonymous
Thomas T. Ballantine
John C. Barker
Gary C. Barrett
Benjamin H. Becker
Joseph H. Burckle
David G. Casagrande
Ronald C. Cherry
Joseph B. DeNicola
Gary W. Dunning
Elizabeth A. Esser
Paulette S. Frank
Derek E. Halberg
Jared J. Hardner
Philip B. Huffman
Namrita Kapur
Stephen P. Keim
Cami L. Kloster
Andrea S. Lee
Adrian Leighton
Christopher C. Lotspeich
William W. Martin
Edmond D. McCarthy
Erin H. McKenna
Rachel H. O'Malley
Alison A. Ormsby
Catherine G. Paris
Thomas A. Poczkalski
Anne K. Reynolds
Julie A. Rothrock
Kathleen M. Schomaker
Theodore R. Schwartz
Robin R. Sears
Lara L. Swenson
Ryan G. Valdez
Maria Von Der Pahlen
Antoinette V. Wannebo
Pamela A. Weiant
Ward T. Wickwire
Rhonda K. Williams
Luise A. Woelflein

1997

Jeffrey N. Adams
Nancy O. Alderman
Shauna Alexander Mohr
Jonathan S. Barron
Heng-Jui Chang
Casey Cordes
Ellen G. Denny
Alex J. Finkral
Eva J. Garen
Patricia I. Garffer
Victoria L. Hornbostel
Kelly J. Keefe
Jonathan Kohl
Mary E. McArthur
Jean E. McLain
Sally T. Milliken
Astrid U. Palmieri
Shalini K. Ramanathan
Scott F. Rehmus
William G. Stanley
Darius S. Szewczak
Mary L. Tyrrell
Helene H. Wade
Alden M. Whittaker
Erik M. Wohlgemuth
Peter L. Yolles

1998

Wendy Barber Taggart
Nadine E. Block
Claire M. Corcoran
Jessica Davenport
Christopher M. Elwell
Michelle G. Ernst
Todd A. Forrest
Timothy C. Fritzinger
Bruce W. Hammond
Xinzhang Hu
Vanessa K. Johnson
Bradley Kahn
John Kuriawa
Maya Loewenberg
Dirk Ludwig
Elliot E. Mainzer
Kristin Morico
Evan L. Preisser
Frances R. Price
Brian J. Rod
Manrique Rojas Araya
George T. Silva
Joseph L. Taggart
Brian C. Watson

1999

Kirsten P. Adams
James Barborak
Jennifer R. Baxter
Stephanie L. Campbell
Elizabeth B. Carroll
Nicole S. Chevalier
Andrea L. Cristofani Geurts
Brett J. Furnas
Jennifer M. Garrison Ross
Anders Halverson
Rachel C. Hampton
Jennifer R. Heintz
Andre T. Heinz
Erin L. Heitkamp
Megan S. Hellstedt
Maria H. Ivanova
Robert J. Klee
Laly L. Lichtenfeld
Noah P. Matson
Allyson B. Muth
Norris Z. Muth
William C. Price
Eli S. Sagor
Suganthi Simon
Laurel J. Stegina

2000

Joyce K. Berry
Sylvia M. Busby
Maureen O. Cunningham
Katherin M. McArthur
Ashley E. McAvey
Heather J. McGray
Sarah J. Morath
Anne T. Osborn
Jason R. Patrick
Carlos V. Pineda*
Dylan T. Simonds
Gregory F. Socha
Harry E. White
Alice J. Wolfe

2001

Anonymous
Kristal R. Aliyas
Elizabeth F. Baker
Michael A. Benjamin
Cordalie Benoit
Eric G. Biber
Adriana Casas
Adam S. Chambers
Kristen V. Clothier
John E. Daly
Matthew W. Eddy
David S. Ellum
Mary E. Ford
Herrick S. Fox
Uromi M. Goodale
Jesse D. Johnson
Gregory C. Jones
Christian F. Kemos
Pia M. Kohler
Heather L. Langford
Laura L. Letson
Barry R. Muchnick
Valerie F. O'Donnell
Michel W. Ohly
Ramsay M. Ravenel
Sasha Silver
Georgia Silvera Seamans
Anna B. Viggh
Bruce E. Westerman
Lisa S. Ziv

2002

Sherry M. Altman
Sofie N. Beckham
Sarah A. Canham
Yenyen F. Chan
Peter J. Deschenes
Kelly M. Droege
Katherine Giese Wofford
John B. Hunter
Elizabeth R. Levy
John P. Longstreth
Laura P. Meadors
Douglas C. Morton
Christopher D. Nelson
Elizabeth R. Poppe
Jill F. Trynosky

2003

Charles A. Brunton
Nathaniel W. Carroll
Melanie A. Cutler
Maria A. de Rijk
Jason J. Drebitko
Brian S. Goldberg
Oliver J. Grantham
Alexander N. Gritsinin
John F. Homan
Sunanda Kishore Cruz
Peter C. Land
Kelly E. Levin
Megan E. Roessing
Samantha G. Rothman
Elizabeth N. Shapiro
Glen E. Van Zandt
Andrew S. Winston

2004

Keith R. Bisson
Elizabeth B. Borden
Suzette A. Carty
Hahn-Ning Chou
Heather K. Coleman
Claudia R. Coplein
Kristen H. Kimball
Erin F. Largay
Amanda M. Mahaffey
Christopher S. Mahendra
Elizabeth C. Martin Perera
Garrett F. Miller
Jennifer L. Molnar
Timothy H. Northrop
Erica M. Schroeder
Dani L. Simons
Jeremy J. West
Ethan H. Winter
Heather E. Wright

2005

Anonymous
Rebecca T. Barnes
Patrick R. Burtis
Dora N. Cudjoe
Lisa E. DeBock
Seth S. Dunn
Debora L. Fillis
Brett J. Galimidi
Brett D. Golden
Ann J. Grodnik-Nagle
Sharon M. Gulick
Jocelyn E. Hittle
Bruce J. Ho
Aaron M. Hohl
Andrea E. Johnson
Radha S. Kuppalli
Cho Yi Kwan
Virginia R. Lacy
Joseph A. MacDougald
Trent R. Malcolm
Sarah Mihalecz
Alexander R. Pennock
Theodora Lopez Quiros
Jennifer J. Ronk
Amy S. Saar
Victoria M. Thompson
Kevin M. Tidwell
Elena M. Traister
Erin M. Walsh

2006

Tehmina Akhtar
Jessica M. Albietz
Lisa C. Bassani
Jeanne Braha
Mohamad A. Chakaki
Ying F. Chi
Maren L. Clayton
Joel E. Creswell
Reilly R. Dibner
Konstantine A. Drakonakis
Susan J. Ely
Jennifer Frankel-Reed
Ross P. Geredien
Gonzalo Griebenow
Jesse M. Grossman
Stephanie L. Horn
Yukiko Ichishima
Daniel H. Jones
Alder Keleman Saxena
Luisa F. Lema Velez
Deanna L. Lizas
Jennifer A. Mathers
Christina L. Milloy
Caren T. Mintz
Hatsy H. Moore
John D. Neidel
Shuichi Ozawa
Sarah P. Price
Perrine Punwani
Patricia Ruby Bachmann
Jill S. Savery
Catherine A. Schloegel
Benjamin A. Shepherd
Robert M. Smith
James S. Walker
Linda K. Walker
Kristen E. Welsh
Kim M. Wilkinson

2007

Anonymous (2)
Anamaria Aristizabal
Heather C. Arrowood
Terry T. Baker
Linda Chhay Geballe
Gordon C. Clark
Tomas A. Delgado
David D. Devooght
Emily D. Enderle
Beth J. Feingold
Cassie L. Flynn
Claire M. Gagne
Todd M. Gartner
Daniel W. Geballe
Rachel B. Gruzen
James A. Howland
Lei Lei
Jenny M. Magellan
Amanda Moss Cowan
Tamara Muruetagoiena
Kathryn J. Neville
Suzanne E. Oversvee
Sarah B. Percy
Judith C. Preston
Alark Saxena
Mackenzie S. Schoonmaker
Sara Smiley Smith
Rachel S. Wilson
Tenley E. Wurglitz

2008

Joshua A. Berman
Genevieve E. Biggs
Sara Bushey Ohrel
Rayna H. Caldwell
Michael A. Davies
Joshua J. Gange
Troy D. Hill
Scott R. Laeser
Naoko Maruyama
Jennifer A. McIvor
Caroline E. Raisler
Angela C. Rutherford
Terry M. Unger
Jason A. Weiner

2009

Katharine E. Boicourt
Casey C. Brown
Ke Cao
Jaime D. Carlson
Helen K. Chabot
Michael J. Coren
Sean T. Dixon
Robert B. Gabler
Haley E. Gilbert
Tom E. Hodgman
Olusola U. Ikuforiji
Thomas M. James
Todd W. Jones
Janet K. Lawson
Andre Mershon
Kate H. Muchnick
Elise N. Paeffgen
Tristan J. Peter-Contesse
Hiroshi Sugano
Robert A. White
Jack A. Yeh

2010

Michele L. Abbene
Abigail L. Adams
Kathryn Au
Jennifer A. Baldwin
Lauren M. Barredo
Paul T. Beaton
Gillian S. Bloomfield
David N. Burns
Marshall D. Duer-Balkind
Marlyse C. Duguid
Changxin Fang
Eric D. Fournier
Zahid U. Hamdard
Walker Holmes
Emily J. Jack-Scott
Sarah A. Lowery
Jason P. Nerenberg
Thomas J. Paul
Tyra M. Pendergrass
Anna R. Pickett
Casey S. Pickett
Monica A. Skeldon
Christopher N. Starkey
Marian A. Thorpe
Matthew C. Thurston
John Frederick Thye
Kristin C. Tracz
Meredith S. Trainor
Alexandra N. Whitney
Jianan Xin
Lesley L. Yen

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2011

Adenike S. Adeyeye
Margaret W. Arbuthnot
Julianne Baker Gallegos
Kyra R. Busch
Stephanie C. Carlisle
Eliza F. Cava
Charlotta M. Chan
Thomas R. Chase
Erin D. Clark
James R. Collins
Diana G. Connett
Christopher P. Cooke
Stuart M. DeCew
Selin Devranoglu
Elyzabeth A. Earnley
Tania M. Ellersick
Jessica Feingold Thye ♣♣
Elizabeth B. Friedlander
Alyssa K. Go
David D. Henry
Saman Ikram
Christopher L. Kieran ♣♣
Kevin Kromash
Eliza A. Little
Gina J. Lopez
Brian S. McCurdy
Gabriel A. Mejias
Danielle S. Miley
Jennifer R. Miller
Charles S. Munford
Geofrey R. Mwanjela
Angela L. Orthmeyer
Kristin J. Pene
Ana K. Perea Blazquez
Jamie R. Pool
Richard A. Press
Pablo E. Reed
Lauren J. Richie
Mariana Sarmiento
Katie J. Schindall
Tina Schneider
Jaime Severino Romo
Kartikeya Singh
Ian J. Starr
Rebecca M. Steinberg
Randal A. Strobo
Christopher G. Tolley
Christine J. Trac
Dania M. Trespalacios
Elizabeth D. Turnbull
Eva Tiffany Zlotnicka

2012

Anonymous
Alex L. Barrett
Daniel A. Berkman
Joshua C. Brau
Maya S. Breitburg-Smith
Matthew H. Browning
Howard K. Chang
Matthew Decker
Anuj M. Desai
Simon De Stercke
Christina Dietrich
Rita Effah
Erin B. Gill
Dominick N. Grant
Benjamin G. Healey
Shane M. Hetzler
Kendra M. James
Brian E. Kauffman
Brian D. Marrs
Julia S. Meisel
Margo C. Mosher
Srinath Sabapathy
Chandra Simon
Sharon J. Smith
Denise K. Soesilo ♣
Joseph T. Teng
Paul Thomson ♣
Blake Troxel
Tara Varghese
Yupu Zhao

2013

Anonymous (2)
Judith Ament
Lara H. Burmeister
Alana Callagy
Anthony G. Clark
Liliana Davila Stern
Frances A. Douglas
Matthew S. Fried
Benjamin S. Fryer
Geoffrey S. Giller
Benjamin A. Goldfarb
Ariana I. Gonzalez
Lauren E. Graham
Brendan D. Guy
Bradford P. Harrison
Naomi C. Heindel
Bonnie F. Hemphill
Michelle E. Lewis
Justin M. Lindenmayer
Victoria M. Lockhart
Rachel H. Mak
Luke J. McKay
Jose Medina Mora De Leon
Natalie Nava
Erin L. Nussbaum
Katherine R. Romans
Courtney G. Seltzer
Spenser T. Shadle
Lisa C. Weber
Angela P. Whitney

2014

Anonymous
Brian Ambrette
Acheampong Atta-Boateng
Laura A. Bakkensen
Matthew C. Bare
Dominique Z. Bikaba
Robert W. Buchkowski
Colin M. Donihue
Sangay T. Dorji
Bryan J. Eckstein ♣
Laura G. Franceschini
Yufang Gao
Mariah J. Gill
Caroline B. Goodbody
Desiree F. Lopes
William N. Miao
Jennifer M. Milikowsky
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Shannon A. Murray
Lia K. Nicholson
Robert E. Orvis
Eric R. Plunkett
Benjamin N. Rothfuss
Erin M. Schnettler
Lin Shi ♣
Samuel A. Teicher
Karen A. Tuddenham
Timothy J. White

2015

Anonymous
Sarah O. Bolthrunis
Colin R. Brown
Minna B. Brown
Lindsay T. Crum
Jorge J. De Vicente Benito
Brendan V. Edgerton
Akiva N. Fishman
Rebecca E. Gallagher
David J. Gonzalez
Emily S. Grady
Sarah D. Guy
Zoraya D. Hightower
Linda K. Holcombe
Corey S. Johnson
Jenaleah C. Kuznik
Anthony M. Mecum
Tara K. Meyer
Samuel J. Miller-McDonald
Hyacinthe Nare
Yiyuan J. Qin
Margaret E. Sackrider
Frances E. Sawyer
Jeffrey R. Smith
Kristina A. Solheim
Eric E. Vermeiren
Amy J. Weinfurter
Heather C. West* ♣
John R. Withall
Sophie L. Young
Sheena S. Zhang

2016

Anonymous (2)
James M. Albis
Ralien Bekkers
Paloma F. Caro Torres
Samuel J. Cohen
Bryan Early
Mar Gutierrez
Marguerite M. Harden
Samantha W. Hudson
Michael R. Johnson
Grace Kankindi
Fairuz O. Loutfi
Julia E. Luthringer
Apurva Mathur
Meaghan R. McGrath
Andrew S. Moffat
Nicholas C. Olson
Rupal J. Patel
Leonora Pepper
Lindsey A. Ratcliff
Daniel J. Reid
Lawrence B. Rodman ♣
Thomas V. Selby
Latha Swamy
Sabrina H. Szeto
Raymond Waweru

2017

Ethan Addicott
Dena P. Adler
Nikola Alexandre
Vinay K. Ananthachar
Logan Ashcraft
Alhasan Badahdah
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Martin T. Becker
Andre Bobek Lopes ♣
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Joanne H. Choly
Alexander Co
Emily Connor
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Michael Cox
Elizabeth Creech
Milagros De Camps German
Bartholomew DiFiore
Elizabeth Domenech
Danica Doroski
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Emily R. Farr
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Taylor Ganz
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Qiying Kuang
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Jessica Leung
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Sanjna Malpani
Ali Masoudi
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Michelle Mendlewicz
Oluwakemi Michael-Noah
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Paul Molta
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Anja Nikolova
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Lun Ou
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Ann Robertson
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Catherine Rothacker
Ariel Russ
Olivia Sanchez Badini
Sarah Sax
Joseph Schiavo
Sara Schwartz
Corey Scult
Ruth C. Sego
Ben Serrurier ♣
Yi Shi
Rebecca Shively
Sachi Singh
Kyle Smith
Joya C. Sonnenfeldt
Preeth Srinivasaraghavan
Katherine Stege
Christina Stone
Rebecca Terry
Zachary Turk
Jayson Uppal
Edwin G. Valdez
Hannah Walchak
Eva Wang
Maxwell Webster
Marissa Weiss
Leana Weissberg
Lindsay White
Emily Wier
Ewin S. Winata
Kata Young
Farrukh Zaman

CURRENT STUDENTS

Nina Hatch
Christopher Martin
Daniel Moccia-Field
Julio Prieto
Samuel Wall

FRIENDS

Anonymous (2)
Robert W. Ackerman
Leland J. Adams
Frederick W. Allen
Richard Amerling
Edward C. Armbrecht
Ibon I. Armendariz
David Bach
Peter M. Baldwin
Paul F. Balser
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Edmund Bartlett
Aditya W. Basheer
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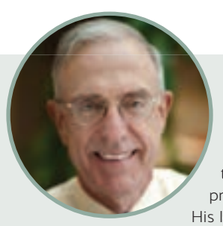

DONOR PROFILE: **Robert W. Ackerman ’60 B.S. (Eng)**

Bob’s varied and successful career – including teaching at Harvard Business School, running paper and steel companies, and in private equity investing for the past 20 years – instilled in him a strong appreciation for the importance of practical, hands-on internship experience for students preparing for the job market. His longstanding interest and involvement in sustainable forestry drew him to learn more about F&ES. When he thought about how he could best contribute to the School’s mission, he focused on the summer between a master’s student’s first and second year. By establishing an endowed internship fund, Bob supports F&ES students as they gain valuable experience and contacts to pave the way to employment once they graduate. In some cases, master’s student internships result directly in a bona fide job offer; in others the goal is acquiring new skills and mentors; and occasionally the experience leads to a change in academic focus when the student returns to F&ES for the beginning of the second year of study. What is consistent is the tremendous value of these experiences. The Ackerman Internship was awarded for the first time in 2017, supporting a student working for the Hawaiian Islands Lands Trust in Wailuku, Hawaii. The student performed resiliency assessments on the Land Trust’s fee-owned properties, then compiled the assessments and their methods into a Hawaii-specific assessment guide for distribution throughout the Land Trust’s satellite offices. The project focused on paleoecology and ecological restoration to build resiliency moving forward.

“I am impressed by the leadership Indy Burke is providing the School and pleased in some modest way to be a part of the results that will be forthcoming in the months and years ahead. It’s refreshing to have her at the helm.” – Bob Ackerman ’60 B.S.

HONOR ROLL

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Elizabeth C. Black
Nadia Block
Jabe Blumenthal
Marsha Bollinger
Charlene Brazil
Brian T. Bristol
Christina L. Brown
Martin S. Brown
Coleman P. Burke
Ingrid C. Burke
Jean P. Burt
Coleman Byrnes
Daniel J. Callahan
William N. Cannon
Faith Y. Carmichael
Jennifer J. Chan
Larry G. Chang
Richard H. Chow
Joseph L. Cissna
H. Alison Colwell
Myron W. Conovitz
Renee Crevelli
Thomas Crider
Gerald Lee Cross
Thomas Curry
Dorothy Cutting
Thomas F. Darden
Erin Daughton
Al Davis
Mark T. DeAngelis
Joanne DeBernardo
Christopher A. di Bonaventura
Wai-Chee Dimock
Strachan Donnelley
Robert D. Dubrow
Elisabeth C. Dudley
Gian Paolo Einaudi
Victoria J. Elenowitz
Christopher J. Elliman
Dwight W. Ellis
Thomas K. Emmons
Emily Ente
Frederick V. Ernst
Daniel C. Esty
Lee H. Farnham
Margaret A. Favretti
Howell L. Ferguson
Sarah A. Ferguson
Jaimie Field
Katherine Finkelstein
Dan Fleet
Robert B. Flint
Kristin L. Floyd
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Brit Geiger
Orin Gelderloos
Murray Gell-Mann
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Julia E. Getzels
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John Grim
Xianghong Gu
Rachel Guderjahn
Keala Hagmann
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Stephen D. Kahn
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Lisa Kaneb
Randall M. Katz
Richard L. Kauffman
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Maureen Kline
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Stefan Knust
Michael Koppisch
Paula Koppisch
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William W. Kunze
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Liza Lagunoff
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Kathleen Les
Fanni Li
Robert Liberman
Reid J. Lifset
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Amy C. Lindsay
Silas Little
Peter Lockwood
Henry Lord
John Lund
John M. MacBain
Hugh F. MacMillan
Whitney MacMillan
Carl L. Malm
Jacqueline Marcus
John Marquis
Robert Marra
Christopher Martens
Sandra A. Matsumoto
Barry Matt
Margaret K. McCarthy
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Patrick McNulty
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Vera Miller
Arthur N. Milliken
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Lucille Perry
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Sue-Ellen Smith
Nicholas D. Snow
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Jacquelyn Southern
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Samuel A. Sturm
Ray Sutton
Henry Swayze
Jeffrey Tabak
Leigh Talmage-Pérez
Kristin Taylor
Lucian Taylor
Star Teachout
Pamela Thompson
Kathleen Thornhill
Julia M. Travers Rickert
Ann Tretter
Amy Vedder
Sukey N. Wagner
Mike Walker

DONOR PROFILE: **Margaret McCarthy '82 B.A.**

Margaret, Chief Financial Officer at the media company WideOrbit in San Francisco, is passionate about wildlife conservation. She and her husband, Robert Worth, have traveled the world to see animals in the wild and support local conservation efforts. But since graduating from Yale, she had been unaware that her alma mater shared her interests until she came across F&ES master's degree student Yufang Gao '14 M.E.Sc., Ph.D. candidate, who was interning at Save The Elephants while researching a paper on the illegal ivory trade between Africa and China. Through Gao, she discovered that F&ES was home to a dedicated group of students engaged in wildlife research and conservation. From that first encounter, Margaret and Robert went on to establish the MK McCarthy-RW Worth Scholarship for Leadership in Conservation Science. The scholarship, which provides $2,500 to each recipient, benefits master's degree students who have demonstrated leadership in the field of conservation biology and wildlife conservation. The aim of their scholarship is to foster and promote professional development and the advancement of conservation science at F&ES.

"Bob and I have been lucky to meet amazing people working in the field of conservation – all of whom are preserving our natural world for future generations. We are delighted to support these remarkable F&ES students following that path." – Margaret McCarthy '82 B.A.

John P. Warburg
William D. Waxter
James Welch
Marianne Welch
Susan Wells
Cathy West
Rick West
John Whatley
Mason Willrich
Aimee B. Wolfson
Larry Zahn
Robert N. Zeitlin

CORPORATIONS, FOUNDATIONS & ORGANIZATIONS

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Andrew Sabin Family Foundation
Arcadia
Baillie Gifford
BlueSky Investment Management
Calvert Investments
The Center for International Forestry Research
The Community Foundation for Greater New Haven
Community Water Center
Connecticut Green Bank
Council of Western State Foresters
Dalio Foundation, Inc.
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Ellen MacArthur Foundation
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The Schmidt Family Foundation /11th Hour Project
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Skoll Global Threats Fund
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SOS Metals Inc.
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Sustainable Biomass Partnership
Sustainable Impact Capital Management
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Union of Concerned Scientists, Inc.
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World Business Council
World Wildlife Fund-U.S.
World Wildlife Fund for Nature International
Wyss Foundation
Yale Club of New Haven

* *Deceased*

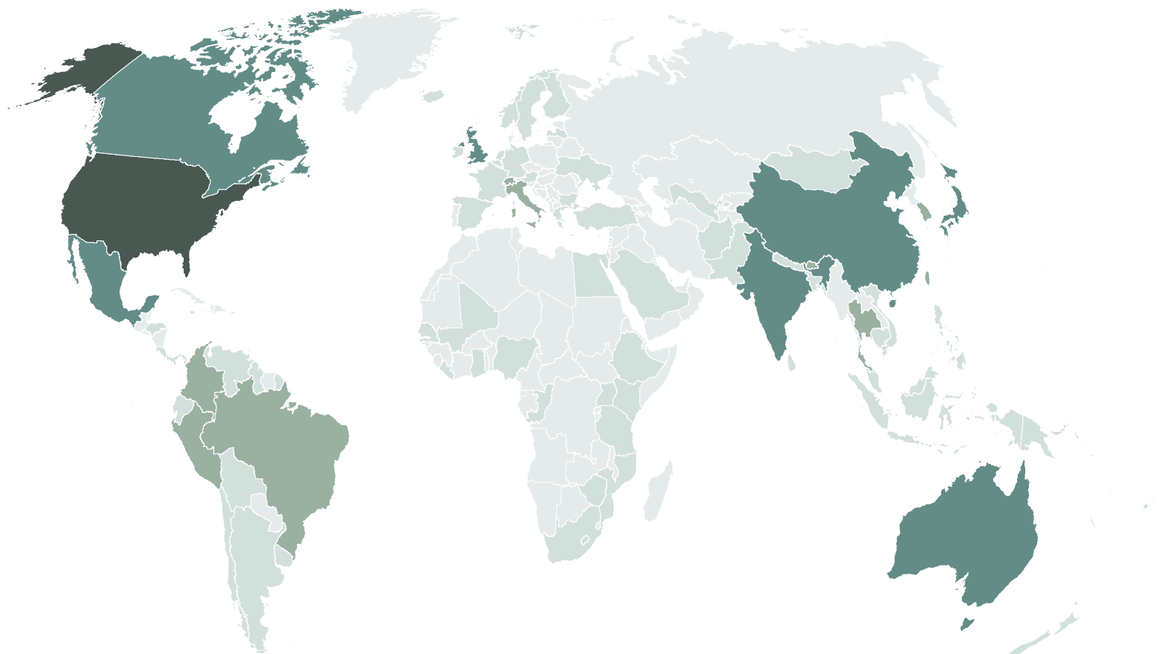
Although we have made every effort to recognize everyone who has generously contributed in support of the students and programs at F&ES, we apologize if any name has been inadvertently omitted. Please let us know if an error has been made, or if you would like your name to be displayed differently in next year's Honor Roll or other correspondence from the School.

CLASS NOTES

F&ES ALUMNI ACCOMPLISHMENTS, PURSUITS, AND ADVENTURES

The map below shows alumni geographic distribution. F&ES alumni are collectively making an incredible impact around the world. Thank you to all of you who shared updates for this edition!

We would like to hear from even more of you – send updates to your Class Secretary or *alumni.fes@yale.edu*.



F&ES Alumni
- 0
- 1–10
- 11–20
- 21–100
- 101–2000
- 2001–4000

Nearly half the countries in the world have alumni living in them.

83 Countries

4,804 Individuals

1961

Class Secretaries: Karl Spalt and Scott Wallinger
kjspalt@yahoo.com | scott@scottwallinger.com

Jim Brown is staying busy doing conservation work with the land trust community in western Montana and the Audubon Society. He still keeps up with progress in wildland fire research and issues in federal and state fire management. Much of his time is also occupied with hiking, swimming, birding, hunting, and fishing.

Paul Haack writes: "I will be 91 this September, and in October Kathy and I celebrate our 66th wedding anniversary. So, after about 4,000 miles of my beloved wilderness canoe trips in Alaska and Canada, I 'give up' out of respect for my canoe partners. I am grateful to have studied under Dr. George Furnival in Forest Measurements and Dr. Chester I. Bliss in Statistics, and for my years of service in research with the U.S. Forest Service and U.S. Fish & Wildlife Service."

Scott Wallinger writes: "Occasionally, **Javier Moro** and I remember to swap emails and I'm also in contact with several former Brazilian colleagues. I went off of the Board of The Charleston Museum this year after 10 years. I'm still on the Board and Executive Committee of the Lowcountry Land Trust in Charleston, and the Board and Forest Management Committee at the N.C. State Natural Resources Foundation. And I still go dove shooting on an annual trip to a private hunting reserve in New Hampshire, as well as fall fishing when the summer heat is gone. Hard to believe it's been 51 years since I was a student at the School of Forestry. How time flies!"

1971

Class Secretary: Tom Nygren
tnygren@juno.com

Rory Harrington writes: "I have been really busy and traveling long distances around the country helping VESI Environmental Ltd. VESI is my daughter's company. It is engaged in a wide range of water management works through ecological reanimation. Our work here in Ireland, but also in Portugal, Spain, and the UK, expands as we demonstrate efficacious treatment of a wide range of polluted water sources: municipal, industrial, agricultural, and more recently acid mine drainage using a range of constructed fen-marsh wetlands that we generally refer to as 'Integrated Constructed Wetlands.' It's good to still be active and pushing the boundaries. In February I gave a presentation at Helsinki's Forestry Department where I met up with colleagues that I had worked with at the then-Finnish Forest Research Institute in 1969 before going to F&ES. They, too, were still working! The insights gained at F&ES, especially into ecosystem function, still inspire, Hubbard Brook and all!"

1975

Class Secretary: Hallie Metzger
hallie.metzger@rcn.com

Terry Chester writes: "Adbiz.com turned 20 this year; I'm still working in marketing, business, and advertising, and living in paradise, Sun Valley, Idaho. I walk or hike two to four miles each day, no matter the weather, for errands, meetings and the pure pleasure of being surrounded by mountains. I'm involved with caring for my granddaughter, doing intense exercise, keeping the vegan diet going, writing, painting, and playing music."

Evan Griswold writes: "Not much to tell except retirement is proving elusive as I have a 500-acre conservation property in the lower Connecticut River area. I am working to find a buyer with proper conservation ethics. I hope this is my swan song."

Hallie Metzger writes: "I can report that at least two of the fifty hybridized American chestnuts planted by the Connecticut Agricultural Experiment Station on my Connecticut property back in 2012 are thriving so far. Is it too much to hope they'll thwart the blight?"

Jean Thomson Black writes: "As Senior Executive Editor at Yale University Press, I'm overseeing a lively book publishing program in the sciences, medicine, and the environment, along with my colleague, **Joe Calamia** ('15). We greatly enjoy working with various F&ES faculty on new book projects. At the recent Ecological Society of America meetings, I enjoyed crossing paths with a number of F&ES alums, including **Laura Meyerson** ('95, '00 D.F.E.S.), **Gary Belovsky** ('74), **Jennifer Slade Belovsky**, and **Mark Boyce** ('77 Ph.D.). It has been lots of fun to watch the reception of 'Hubbard Brook: The Story of a Forest Ecosystem,' by Richard T. Holmes and Gene E. Likens, which has now won two fine book prizes and is under consideration for others."

LOOKING BACK

Students on an F&ES field trip in 1974. The photo was shared by Terry Chester *(second from left)*.

Please note that in some cases Class Notes are excerpted versions of the original submissions. Also, unless necessary for providing context, Yale degrees other than F&ES degrees are not listed in this section.

CLASS NOTES

LOOKING BACK

Cilla Kellert *(back row, center)* shared this photo from the 1980 F&ES Colorado Field Trip.

1977

Class Secretary: Jim Guldin
jguldin@prodigy.net

Mark Boyce writes: "I am occupying an endowed chair in ecology at the University of Alberta and my spouse is also on the faculty. This spring marks 40 years that I've been teaching population ecology! I cannot imagine wanting to retire – I'm having too much fun. I have research underway on cougars and elk in the Rocky Mountains, caribou in the Arctic, and sitatunga in Uganda. This year the Royal Society of Canada awarded me the Mirosław Romanowski Medal for applications of science to environmental problems, and I recently learned that the American Society of Mammalogists have chosen me for the C. Hart Merriam Award."

Kate Troll *(left, in Berners Bay north of Juneau, Alaska)* recently finished serving a term as an elected official in Juneau, Alaska, and promptly completed her non-fiction manuscript for publication. Her book, "The Great Unconformity: Reflections on Hope in an Imperiled World," is equal parts nature writing, current events, and memoir. Kate is a climate activist and regular columnist for Alaska's only statewide paper. As part of Reunion Weekend, she gave an ice-breaker talk based on her book. Kate also spoke to current students the following Monday in Sage Hall; her talk focused on strategies and insights she learned through her 22-year career in Alaska and was aptly titled "Being Green in a Deep Red State."

1981

Class Secretaries: Fred Hadley and Gail Reynolds
fhadley@sit-co.net
gail.kalison.reynolds@aya.yale.edu

Thea (Weiss) Hayes is retired from science teaching and is highly involved with Preservation Beekeeping in southwest Washington.

Cilla Kellert writes: "I am very excited that I was elected as a new F&ES Alumni Association Board member. I decided it was time for me to reconnect with the School. I'm looking forward to being in touch with many of my classmates again. As many of you probably know, my husband, Steve Kellert, passed away last November after a very courageous battle with multiple myeloma. We were married for 35 years which now seem to have flown by. We had a beautiful memorial service in Kroon Hall, the building that Steve had a lot to do with the creation of. I am helping finish his final book entitled "Nature by Design," which will be published by Yale University Press next February. It will be a beautiful book on biophilic design. I am still running FOOT, now called First-Year Outdoor Orientation Trips, for Yale undergraduates. I put over 500 Yale students in the woods every year. I have retired from teaching but recently got involved with the Mutt-i-gree Program, which is a curriculum for schools that is based on social and emotional learning through learning about shelter dogs. I still live in New Haven, but have a house on the Vineyard and a farm in Vermont. At my farm, I also host weddings and other events. I have seen Gus and Cameron Speth recently who live nearby, as well as **John Echeverria** and **Tom McHenry** ('80). Tom was just appointed President and Dean of the Vermont Law School which is in my neighborhood up there! So we have a wonderful little group of F&ES alums in the area. The good news to end on is that I am engaged to be married next September. I reconnected with an old Yale classmate through, of all things, Facebook! And guess where we will get married – at my wedding venue in Vermont!"

Bruce Kernan writes: "I continue to live in Quito, Ecuador, and South Worcester, New York, and work on consulting assignments when they come up, lately in Ethiopia, the Dominican Republic, southeast Asia, and Honduras. In our forest in upstate New York, we're facing the emerald ash borer and hemlock woolly adelgid problems, trying to figure out how to pay the ever-rising land taxes, and doing timber stand improvement whenever we have the time. We finally finished our entirely homemade log cabin this summer. Both of my sons were married during the last year."

Mark Plotkin is finishing his next book, "The Amazon: What Everyone Needs to Know," which will be published by Oxford Press in 2018.

Gail Kalison Reynolds writes: "**Dan** ('82) finally retired from the State of Connecticut earlier this year. He eventually plans to open his own forest services company, but has his hands full right now managing our forests in Vermont. I'm still at UConn Extension and having lots of fun.

Marcia Kallgren Sailor visited us in Higganum in June. We had a lovely lunch at a restaurant right on the Connecticut River and took a nice walk."

1982

Class Secretaries: Barbara Hansen and Ken Osborn
bjhansen@fs.fed.us
kennethdosborn@gmail.com

Gregory Baker writes: "**Tom Walicki** and I hooked up in Madison, Conn., on September 8-10 for a bit of golf. We spent very little time in the woods; we did get our money's worth, however."

1983

Class Secretary: Stephen Broker
ls.broker@cox.net

Melissa Ladenheim writes: "Although my path diverged somewhat after leaving F&ES with my M.E.S., I never seemed to venture too far from that experience. I am now the Associate Dean of University of Maine's Honors College where I also teach. I have been working in the area of community-engaged research, and recently co-founded the Sustainable Food Systems Research Collaborative, which relies on an interdisciplinary, knowledge-action model of community-engaged research. I was the 2017 recipient of the University of Maine's Steve Gould Award. I also have begun doing prospective interviews for AYA and that has been fun. It reminds me of all the wonderful things I enjoyed as a student at F&ES."

1985

Class Secretary: Alexander Brash
alexanderrbrash@gmail.com

F&ES Professor **Tim Gregoire** ('85 Ph.D.) *(shown above, third from left)* has hosted an annual dinner for students in the F&ES Africa SIG for a number of years; pictured here is the Fall 2017 gathering.

CLASS NOTES

1987

Class Secretaries: Christie Coon and Melissa Paly
christie.coon@gmail.com | mpaly01@gmail.com

Joshua Royte was awarded the Gulf of Maine Council's Visionary of the Year Award along with Alex Abbott (spouse of F&ES's **Jennifer Melville**) for their work to bring awareness, new data, outreach and education, prioritization planning, and conservation project implementation to the problems of stream fragmentation in Maine and beyond. From their efforts, Maine now has the largest data set assessing the conditions of a state's rivers and fragmentation from road networks, dams, and natural barriers. Numerous collaborations grew around this project to bring stream connectivity to Maine's expansive forest industrial lands, towns, planners, and DOT's. In addition, this project influenced the development of international work on stream connectivity through the World Fish Migration Foundation and a Europe-wide assessment of river fragmentation, and prioritization for protection and restoration of fish migration routes. He is still involved in conservation with The Nature Conservancy in Maine. He lives in Yarmouth with his wife and together they enjoy as much of the state and its many lakes and mountains as they can.

Tim Traver writes: "Greetings dear classmates! My big news, behind the weddings of two of three children in the space of a year (not our oldest daughter Kal who was one of the child fairies running around TGIFs in '86-'87) is a new book called 'Lost in the Driftless, Trout Fishing on the Cultural Divide.' It looks at rural consciousness and the rural-urban divide through the lens of trout fishing in rural southwestern Wisconsin. Kind of a social/political trout fishing travel book on the rural counties that elected President Trump. I owe a debt of gratitude to Steve Kellert and wish I could thank him personally. Steve, thank you wherever you are!"

1989

Class Secretary: Betsy Carlson
bcinpt@gmail.com

Betsy Carlson is fully submerged in Citizen Science at the Port Townsend Marine Science Center.

Claudia Martinez writes: "I am in Bogota, waiting for all of you to visit. I'm busy with E3-Ecology, Environment and Ethics (the name is thanks to the most remembered class at F&ES). I am also a member of the independent advisory panel of the Green Climate Fund, assessing GCF projects. Marco, my husband, is working as scientific director of the Amazon Research Institute of Colombia, and our two sons, Pietro, 18, and Antonio, 16, are starting college and finishing high school, respectively."

CJ May writes: "This fall will be busy with recycling roll-outs and water wizardry. Delays in the arrival of six new recycling trucks for the City of Waterbury will cause us to begin delivering 30,000 new recycling carts to residents just as I return to the Magic & Mystery School in Vegas to learn more enviromagic from Master Magician Jeff McBride. I am fortunate that although Jeff fooled Penn & Teller with his 'Rainmaker' routine in September, he had already offered to teach it to me as a means to expand my environmental education through magic. Although I will be learning from a master, I strongly doubt my own ability to fool Penn & Teller!"

1994

Class Secretaries: Jane Calvin, Cynthia Henshaw, and Jane Whitehill
jcalvin@prospeed.net
c.henshaw@comcast.net
janewhitehill@gmail.com

Felton Jenkins *(above, second from left)* recently went on an expedition with **Guido Rahr** *(above, right)* and the Wild Salmon Center (WSC) to the Russian Far East, in the Khabarovsk region. The ten-person team (five Americans and five Russians) floated and camped about 60 miles of the Tugur River, part of which flows through the newly established Tugursky Nature Reserve, over nine days. The Reserve is nearly 80,000 acres of critical habitat in the Tugur watershed for over twenty species of fish – including large runs of chum, pink salmon, and the threatened Siberian taimen. WSC helped local Russian governments and Russian non-profits establish the protections.

1997

Class Secretary: Paul Calzada
pcalzada@clf.org

Zander Evans ('06 Ph.D.) became the Executive Director of the Forest Stewards Guild in September. **Al Sample** ('80, '89 D.For.), Board Chair of the Forest Stewards Guild, writes: "Zander has served the Guild with distinction for 11 years, most recently as Director of Science and Programs. [He] brings a wealth of expertise, experience, and leadership ability that is unmatched. He has helped establish the Guild's respected reputation for results-oriented research, and practical application of that new knowledge through innovative community-based sustainable forest management projects. Just as importantly, his work has always reflected the overarching philosophy, mission, and purposes of the Forest Stewards Guild, through teaching and demonstrating exemplary stewardship of forest resources and ecosystems."

2003

Class Secretaries: Ben Hodgdon and Pete Land
benjamin.hodgdon@gmail.com
peter.c.land@gmail.com

Heather Coady writes: "I continue to work for the Animal and Plant Health Inspection Service of the USDA on phytosanitary issues and am happy to report that I've recently accepted a position as Area Director for the Preclearance Program in Europe, Africa, and the Middle East, based in the Netherlands. For the next few years I will be responsible for the import inspections of plants and fruit destined to the U.S. from approved preclearance programs in my area. My husband, Zach Feris, and our children, River and Rowen, are enjoying this new adventure with me and we hope to host visiting F&ES folks at our home just outside of The Hague."

Betony Jones writes: "I'm still running the green economy program at UC Berkeley where I work mostly with labor unions on engaging proactively on climate policy. In my free time, I embark on more immediately rewarding endeavors like harvesting rainwater to grow more shade trees in my neighborhood, taking fashion design and creative writing classes, and trying to get my 3-year-old to expand her diet beyond pasta with butter. Tips in any of these areas are most welcome."

LOOKING BACK

Members of the Class of 2003 *(left to right: Pete Land, Liz Roberts, Bill Finnegan, and Flo Miller)* visiting Pete's family home in Shelburne, Vermont in 2003.

2004

Class Secretaries: Jennifer Vogel Bass, Keith Bisson, Daniela Vizcaino, and Laura Wooley
jennifer_vogel@yahoo.com
keith_bisson@yahoo.com
dana.vizcaino@gmail.com
le.wooley@gmail.com

After 20 years on the East Coast, the majority of them as a student and then Director of Development and Alumni Services at F&ES, **Tim Northrop** and his wife Shelley moved to San Luis Obispo, California, where Tim is now the Director of Development at the California Polytechnic University's College of Agriculture, Food and Environmental Sciences. Tim is happy to be back on the Central Coast where he grew up and has been busy re-discovering the natural beauty of the area. He looks forward to meeting alums in the local area and welcomes visitors.

2008

Class Secretaries: Angelica Afanador Ardila and Kelsey Kidd Wharton
angelica.afanador@aya.yale.edu
kelseyk.wharton@gmail.com

Agha Ali Akram recently moved back to Pakistan with his wife, Zahra, and son, Zain, where he's hoping to continue his work in environment and development economic research.

Georgia Basso writes: "It is an exciting time to be in Washington, D.C. I am enjoying my job as performance manager for the United States Fish and Wildlife Service (USFWS), National Wildlife Refuge System. This fall I look forward to spending some time on the West Coast while I work for the USFWS Partners Program. This past summer I had the opportunity to catch up with **Walker Holmes** ('10), **Justin Elicker** ('10), and **Kellie Stokes** (current Ph.D. student) in New Haven; enjoy jazz in the sculpture garden with **Janet Lawson** ('09), **Josh Gange**, and **Marissa Ramirez** ('10); camp with **Tara Moberg** ('09); paddle board with **Kelsey Semrod** ('16);

CLASS NOTES

and jump into a few alpine lakes with **Angie Rutherford** and **Darcy Dugan** ('09) in Wrangell-St. Elias National Park. I'm so grateful for the wonderful network of F&ESers across the country. Hope all is well F&ES family! Drop a note if you pass through D.C."

Chris Clement writes: "Our little girl, Gracie Skye Clement, arrived after much anticipation (and a herculean effort from my wife, Danielle, to birth the nearly 10-pounder) on March 21st. She clearly has big plans for herself, and we cannot wait to see them unfold. She is a born natural camper, and finds a particular peace and solace in staring into a forest canopy or dipping her toes in a mountain lake. Now post-Ph.D., I have shifted happily into the entrepreneur phase of my career, and am thoroughly enjoying helping to grow and nurture my firm, IronOak Energy. Danielle is finishing up her nurse practitioner graduate studies at Duke, after which point, who knows where the winds will blow us."

Annette (Bellafiore) Kelly writes: "This spring my husband and I welcomed our daughter, Sierra Caitlin, born fittingly on Earth Day. She is our ray of light right now and brings us so much hope and joy. We enjoyed having a special visit from fellow 2008 alumna **Lisa Leombruni**!"

Paula Randler writes: "I moved to Atlanta in March for my dream job: Urban and Community Forestry Program Manager for the Southern Region. I get to travel the South exploring community forestry innovations and convening partners. It's great being back near family and friends and the ecology of my childhood. If you've got a long layover in Atlanta, stop and say hi."

Kelsey (Kidd) Wharton writes: "Our boys are two and four so the house is full of energy and noise of the best kind. Outside of working as a science writer for Arizona State University, I produce two podcasts for fun and love the medium. I was recently in San Francisco for work and it was a treat to have dinner with **Angela (Lott) Aguilera**. Thanks for all the good work you are doing F&ESers! You bring me comfort and hope. Keep fighting the good fight."

2009

Class Secretaries: Rajesh Koirala, Neelesh Shrestha, Simon Tudiver, and Judith Wu
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neelesh.shrestha@gmail.com
tudiver@gmail.com | jude.wu@aya.yale.edu

Sarah Charlop-Powers shared this great photo *(below)* of F&ESers in Fort Greene Park in Brooklyn, NY. *Left to right:* **Max Joel** ('09), **Neda Arabshahi** ('10), Sarah, **Claire Jahns** ('10), Alisa Wellek (married to Max, with baby Eli), and **Alyssa Arcaya** ('09) (with baby Emil).

Michael Coren writes: "I'm writing from San Francisco. I'm the co-owner of a small but worthy boat, the sturdy Sea Goat. She's open for sailing. My new job is as a staff-writer for Quartz, part of The Atlantic. I cover technology, science, economics, and the environment."

Sean Dixon writes: "I'm happy to still be working in New York Harbor with fellow '09 grads **Kate Boicourt**, who's at Waterfront Alliance leading their waterfront design team, and **Alyssa Arcaya** at EPA Region 2's Office of Water! I was also recently appointed as the Membership and Diversity Officer for the 10,000-member American Bar Association's Section of Environment, Energy, and Resources Law. Any environmental lawyers out there who want to get involved in the ABA, let me know!"

Rita Hudetz writes: "After five years fighting the good fight to transform corporate America, I joined a start-up food company focused on sustainably sourced ultra clean label food. I'm now Chief Commercial Officer of Hu Kitchen. The company is very aligned with my environmental health interests and allows me to put my business skills to use. I also finally got to settle down a bit and have a lovely place in Williamsburg with a garden. If anyone is in Union Square near our restaurant or wants any of our vegan paleo chocolate, let me know!"

Todd Jones continues to work at Center for Resource Solutions (CRS) in San Francisco. He is Senior Manager, Policy and Climate Change Programs, overseeing the organization's U.S. policy and market development program area. Last year he and his wife, Kristen, welcomed a bouncing baby boy (and perhaps future F&ESer), Sawyer Alexander, to the world.

Meg Selby writes: "Four years into forming a charity to run a small zoo in Nelson, New Zealand, I am loving the challenges of transforming a somewhat dilapidated site into a forward-thinking innovative platform for collaborative conservation projects. Birds are a little harder to chase through forests than monkeys as it turns out, but I'm doing my best to keep up. Visitors to NZ are welcomed and encouraged!"

Fengyuan Wang recently joined the Swedish fashion company H&M to lead the energy and climate change program in global supply chains. He is super excited to work with a company that has an ambitious goal to fight for climate change.

2010

Class Secretaries: Daniella Aburto Valle, Luke Bassett, Paul Beaton, Clara Changxin Fang, William Lynam, and Kristin Tracz
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lhbassett@gmail.com
paul.beaton@aya.yale.edu
clara@earthdeeds.org
william.lynam@aya.yale.edu
kristintracz@gmail.com

Jen Baldwin writes: "This year was crazy! I married **Ian Starr** ('11) and moved to Peru for my first assignment as a Foreign Service Environment Officer with USAID. I'm joining the team of **Holly Ferrette** ('94) and a dozen F&ESers at the Agency. I will be here for two years working on projects on illegal logging, mining, and Amazon conservation. We received a warm welcome from the fabulous F&ES Lima crew. Please let us know if you will be passing through!"

Chelsea Chandler writes: "**Scott Laeser** ('08) and I got married at our farm in Argyle, Wisc., over Labor Day Weekend. We were thrilled to celebrate with F&ESers who traveled from across the country and world *(see photo below)*, and particularly enjoyed a surprise Logger-rhythms-like performance of 'CSA' (referencing our community supported agriculture program) to the tune of 'YMCA.' When I'm not restoring our barn, growing organic veggies, and playing with our one-year-old shepherd mix, I work in Madison at the Wisconsin Academy of Sciences, Arts & Letters. As the Environmental Initiatives Director, I help educate and connect local leaders on climate and energy issues and solutions in Wisconsin."

Henry Scott DeBey writes: "2017 has been an exciting year so far. I got married to my best friend on Fallen Leaf Lake in the California Sierras, went on an incredible honeymoon to Indonesia, including to Komodo National Park (if you like snorkeling or diving this place will blow your mind; the dragons are pretty cool, too), and moved to Rome to work for the United Nations' Food and Agriculture Organization on fisheries and aquaculture policy. In my spare time I explore as many Roman ruins as possible, swim in Italy's many volcanic lakes, and eat pasta and pizza for every meal of the day. Hope everyone is well!"

Eric Desatnik writes: "I'm going on five years leading public relations for the XPRIZE Foundation. Active competitions include a $30 million race to the moon, a $20 million competition to turn CO2 emissions into valuable products, and a $15 million competition to create software enabling children in developing countries to teach themselves basic reading, writing, and arithmetic in just 15 months."

Tien Shiao moved to San Francisco from Shanghai and started working at the Pacific Institute on water-related corporate sustainability issues. She also climbed Mt. Fuji during the night and saw the sunrise above the clouds.

2011

Class Secretaries: Margaret Arbuthnot, Lucien Bouffard, Efrie Friedlander, Gabriel Mejias, and Randal Strobo
marbuthnot@gmail.com | lbouffard@gmail.com
efrie.friedlander@gmail.com
gabrielmejias@gmail.com | rastrobo@gmail.com

Randy Strobo writes: "Strobo Barkley PLLC is still running strong after three years. Still teaching at Bellarmine University's School of Environmental Studies. Kentucky wants you to visit!"

2012

Class Secretaries: Simon De Stercke, Naazia Ebrahim, Alison Schaffer, and Leigh Whelpton
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naazia.ebrahim@aya.yale.edu
schaffer.alison@gmail.com
leigh.whelpton@gmail.com

Naazia Ebrahim writes: "The Class of 2012 Secretaries forgot to request class notes as they were busy helping to plan their 5-year reunion. Laughter, swimming, dancing, a campfire *(see photo below)*, and Old Forester were had, in the cozy enclave of Great Mountain Forest. The Class sends warm greetings and thanks to the School and Alumni Office for all their support organizing a wonderful weekend, and looks forward to the next reunion!" *(See pages 24-35 for more on Reunion Weekend 2017.)*

CLASS NOTES

2013

Class Secretaries: Judith Ament, Adedana Ashebir, Rebecca de Sa, Laura Johnson, and Victoria Lockhart
judithament@gmail.com
adedana.ashebir@gmail.com
rebecca.desa@aya.yale.edu
laura.a.johnson@aya.yale.edu
victoria.lockhart@aya.yale.edu

Adedana Ashebir writes: "I'm still in Nairobi (a three-month contract has become nearly three years really quickly) and I just joined D.C.-headquartered venture capital firm Village Capital to lead their Africa work. We find, train, and invest in entrepreneurs building startups in agriculture, education, energy, health, and financial technology. A completely new sector for me and a lot to learn but I'm enjoying the challenge so far. If you ever stop by Kenya, *karibu* (which means 'you're welcome' in Swahili)! **Kathryn Wright** has now visited twice, so get on it!"

Kendall Barbery writes: "After working as a green infrastructure program manager for CT Fund for the Environment and its bi-state program, Save the Sound, for three years, I made the leap into a new (for me) type of green infrastructure, kelp farming, and began working with GreenWave, based in New Haven, in September. GreenWave is an ocean farmer and fisher-run nonprofit organization leading the charge on restorative ocean farming. As their program manager, I'll be working to educate fishers and ocean farmers in the Northeast and along the West Coast (and around the world) about kelp and shellfish farming techniques that are low-input and low-impact, sequester carbon and nitrogen, and create shelter and habitat for marine species. I'm also starting my own kelp farm (and will be looking for volunteers in 2018)!"

Bonnie Frye Hemphill writes: "I recently led a statewide legislative campaign in Washington State for the Solar Jobs Bill. Amazingly, we won! Now, I've moved into a larger role as the Policy & Partnerships Director for A&R Solar, Washington's leading solar installer. **Aaron Paul** is making waves in conservation finance for The Nature Conservancy, and we've just celebrated our first anniversary."

2014

Class Secretaries: William Georgia, Chetana Kallakuri, Lin Shi, Cary Simmons, and Karen Tuddenham
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linshiknox@gmail.com | cary.simmons@tpl.org
karen.tuddenham.yale@gmail.com

In July, alumni and current students gathered for an informal meet-up in San Francisco *(shown above)*. Organizer **Kaylee (Weil) Mulligan** writes: "We had over 20 F&ESers in attendance at our recent happy hour! Connections were made, current interning F&ES students showed up in force, and general merriment was shared by all."

2015

Class Secretaries: Akiva Fishman, David Gonzalez, Philip Kunhardt, Frances Sawyer, and Eric Vermeiren
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david.j.x.gonzalez@gmail.com
pbkunhardtiv@gmail.com
Frances.Sawyer@aya.yale.edu
ericvermeiren@gmail.com

Tara Meyer *(5th from right in photo below)*, a member of the F&ES Alumni Association Board, helped organize a PNW alumni wine-tasting event at Knudsen Vineyards in Oregon this summer. *(Learn more on page 14.)*

2016

Class Secretaries: Paloma Caro, Mohammad Aatish Khan, Nicholas McClure, Mariana Vedoveto, and Lisa Veliz
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mohammadaatish@gmail.com
nicholas.mcclure@yale.edu
mari.vedoveto@gmail.com
lisa.veliz@yale.edu

James Albis writes: "I began a new job serving as Executive Director of the Connecticut Green Building Council in June 2017. As a chapter of the United States Green Building Council, we are dedicated to promoting all things green building in the state of Connecticut, including rating systems like LEED and WELL."

Shelley Clark headed west to California after graduating from F&ES. She is now living and working in Marin County in the Bay Area. She works as an attorney at a nonprofit focused on social justice in housing. She is loving her new proximity to the beach, wine country, and mountain hikes. She said to get in touch if you visit Northern California!

Camille Delavaux was one of eleven doctoral students who have been selected to receive the University of Kansas' prestigious Madison and Lila Self Graduate Fellowship for the 2017-2018 academic year. The Self Graduate Fellowship is awarded to new or first-year doctoral students who "demonstrate leadership, initiative, and a passion for achievement." She is currently pursuing a Ph.D. in the Department of Ecology and Evolutionary Biology at the University of Kansas.

Audrey Denvir is in Chicago working at The Morton Arboretum as their Tree Conservation Project Coordinator for all projects in Mexico and Central America. These projects involve research and conservation of endangered oak species and lots of travel to Mexico.

Carolina Gueiros is beginning her second year as a Ph.D. candidate at the Oxford School of Geography and the Environment.

Larry Rodman writes: "I became a grandfather. I'm working as General Counsel at Aligned Intermediary, an investment advisory firm mission-focused on assisting institutional investors to deploy capital in climate infrastructure investments (clean energy, water infrastructure, and waste-to-value). I taught a course at F&ES in Spring 2017 called 'Private Investment and the Environment: Legal Foundations and Tools.'"

Wan-Yu Sung writes: "I moved to Beijing and started working at CDP China Office. My role is to engage purchasing organizations to identify climate change, water, and deforestation risks in their supply chain. I also work with suppliers to help disclose their environmental information."

Raymond Waweru and **Lisa (Veliz)** had a small civil ceremony in San Francisco to celebrate their union on August 4. They now live in San Francisco. Lisa is working at Pacific Gas and Electric as an MBA Associate and Ray will be working with SCS Global Services on FSC Chain of Custody.

2017

Class Secretaries: Niko Alexandre, David McCarthy, Rebecca Shively, Emily Wier, and Farrukh Zaman
nisalexandre@gmail.com
david.mccarthy@yale.edu
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emily.wier@yale.edu
rmfarrukhzaman@gmail.com

Alumni and current students gathered for an informal dinner in Austin in September. Organizer **Ali Masoudi** writes: "We really had a great time and all were happy to meet and get to know other F&ESers in person." *See top right photo, left to right:* **Whitney Johnson** ('16), **Katherine Lieberknecht** ('98), Professor Michelle Addington, **Rui He** ('13), **Diana Wheeler** ('94), **Ali Masoudi**, **Anobha Gurung** ('10, '16 Ph.D.), **Katherine Romans** ('13), **Joseph Teng** ('12), and **Max Tattenbach** ('14).

Class of 2017 – We would like to feature our most recent alumni (you!) in the Spring 2018 Edition of *Canopy*. Your Class Secretaries will be collecting your updates this winter. The worldwide alumni community looks forward to learning more about your endeavors!

ALUMNI – ORDER F&ES SWAG ONLINE

It's now easy for alumni to order F&ES classic DBH t-shirts, bandanas, and more online! Alumni and friends can purchase swag online through Campus Customs and promote the School and its worldwide impact in the fields of forestry and environmental studies. Your purchase also gives back. A portion of sales are donated to the F&ES Community Fund to support student projects. The first student project was awarded funding from the Community Fund at Reunion Weekend 2017.

Visit the F&ES Swag Store:
environment.yale.edu/alumni/swag

The F&ES Office of Development and Alumni Services connects alumni to each other and F&ES through annual Reunion Weekends, regional events and receptions, the alumni–student mentoring program, educational programs, alumni publications and communications, and volunteer activities.

Our office, located on the second floor of Sage Hall (Suite 20), is a resource and a base for alumni and friends of the School who come to campus for a visit. We look forward to seeing you the next time you are here at F&ES.

Every time you get a new email address, relocate, or change positions, please send us an update at ***alumni.fes@yale.edu***.If you keep us updated, we'll keep you updated!

IN MEMORIAM

Orville Hervey Darling '58 M.F.

(1928-2017) passed away on September 23 in Little Rock, Ark. He graduated from the University of Arkansas at Monticello and Louisiana State University before earning a Master of Forestry from the Yale School of Forestry. A professional forester for more than four decades, he worked for the Georgia Pacific Corporation as Forest Resource Regional Manager, and previously, for the Fordyce Lumber Company. He spent many years as a member of the Arkansas Forestry Association Executive Committee, including as its President, and was appointed to the Arkansas State Forestry Commission, where he served as Chairman from 2002-2003. He was a member of the Board of Directors for Deltic Timber Corporation, and wrote two books about the history of forestry in Arkansas. In 2005, he was inducted into the Arkansas Foresters Hall of Fame. A retired Major from the Arkansas National Guard, he also served as a Deacon in the First Baptist Church of Crossett, Ark., where he taught Sunday School for many years. He was predeceased by his two children, and is survived by his wife, Patsy, and two granddaughters.

Robert W. "Bob" Eisenmenger '51 M.F.

(1926-2017) passed away on May 24 following a short illness. Born in New York City, he grew up in Amherst, Mass., and served as a Navy radio technician in Pearl Harbor during World War II before earning a bachelor's degree in economics from Amherst College and a Master of Forestry from the Yale School of Forestry. He then spent several years laying out roads, fighting wildfires, and developing a timber appraisal system for the U.S. Forest Service in Oregon. While out West, he met his wife. Shortly after the birth of their first daughter, they moved to Boston where Bob earned a Master's in Public Administration and a Ph.D. in economics from Harvard. He then joined the Federal Reserve Bank of Boston, first as a research economist, then as Director of Research, and retired as First Vice President and Chief Operating Officer. In his retirement, Bob worked as a consultant and devoted himself to the Natick Planning Board, where he served for 35 years. In his spare time, Bob enjoyed sailing, skiing, and traveling with his family. He is survived by his wife of nearly 64 years, Carolyn, three daughters, and eight grandchildren.

William T. Hincks '61 B.A., '63 M.F.

(1937-2017) passed away on April 16 in Old Lyme, Conn. A graduate of Phillips Academy in Andover, Mass., and Yale College, he served in the Marine Corps as an MP in Key West. After earning his master's degree from the Yale School of Forestry, he worked for the Southern Pacific Railroad in Mount Shasta, Calif., before moving to Virginia where he managed 100,000 acres for the Virginia Coal Company, and later managed forestland for Virginia Hot Springs, Inc. He spent his winters working with the local ski-patrol. After moving back to Connecticut, he worked with Data Management and was involved in several marine-related businesses. He served as President of the Madison Land Trust, and, along with his wife, Claudia, was an active member of the North Cove Yacht Club for over 30 years. He was predeceased by his first wife, Jane Rhinesmith Hincks, and is survived by his wife, three daughters, son, eight grandchildren, and two great-grandchildren.

G. Andrew Larsen '63 M.F.

(1939-2017) passed away at home in Cedarburg, Wis., on September 22 from complications from Parkinson's disease. A native of Fond du Lac, Wis., Andy graduated from Carleton College in Minnesota before attending the Yale School of Forestry for his master's degree. Along with his wife, Judy, he volunteered with the Peace Corps in Brazil from 1963 to 1965. An internationally renowned environmental educator, he served as Executive Director of Riveredge Nature Center, a 379-acre complex of forest, wetland, and prairie communities, for 35 years. He helped establish the Wisconsin Environmental Association, the Prairie Invertebrate Conference, and other research programs, and developed teacher training programs for the Tirimbina Rainforest Center in Costa Rica. He was awarded "Educator of the Year" for his extensive work with students of all ages, including his adult ecology courses. He also wrote a weekly column, "The Nature of Things," in the Milwaukee Sentinel. In his spare time, he made maple syrup, and enjoyed photography, traveling, winter camping, and canoeing with his family. He is survived by his wife, daughter, son, and four grandchildren.

William K. Newbury '72 M.F.S.

(1948-2017) passed away on September 24 of complications from cancer. He was born in Concord, Mass., but considered himself a 'son of Brooklyn,' where he lived with his wife, Priscilla P. Newbury '72 M.F.S., and their three daughters. As a young man, he spent his summers working for the Appalachian Mountain Club. A graduate of Trinity College, he earned master's degrees from F&ES and New York University's Stern School of Business, and retired from a long career at TIAA-CREF. Known for his ever-present smile, he was active in his community and a member of many local organizations. He is survived by his wife, three daughters, and son-in-law.

Friedrich Schilling, Jr. '58 M.F.

(1934-2017) passed away on July 20 in Knoxville, Tenn. A native of Nelson County, Va., he graduated from The University of the South where he majored in forestry. He then served in the U.S. Air Force before earning his master's degree from the Yale School of Forestry. He briefly worked as a forester before attending the Yale Divinity School and then Union Theological Seminary where he earned his Ph.D. in theology. Friedrich served as minister of Westminster Presbyterian Church for 19 years, in addition to serving congregations in Charlotte, N.C., and Beckley, W.V. He was predeceased by his wife, Barbara, and is survived by four children and three grandchildren.

Richard Barrie Smith '58 M.F.

(1934-2017) passed away peacefully at the Kiwanis Pavilion in Victoria, British Columbia, on July 15. He grew up on a poultry farm in Vernon, B.C. He obtained a Master of Forestry from the Yale School of Forestry before earning his Ph.D. in Forestry at the University of British Columbia, and worked at the Federal Pacific Forestry Center until his retirement in 1990. Dick loved traveling and taking road trips with his wife, Ann, and in 1995, they moved to Grand Forks, B.C., which enabled them to further explore the province. Dick was well known for his kindness, honesty, compassion, and dry sense of humor. A lifelong lover of nature, he truly enjoyed being outside, working in the bush, and creating beautiful gardens. He was predeceased by his two brothers and his sister, and is survived by his wife, two children, and three grandchildren.

George R. Stephens, Jr. '58 M.F., '61 Ph.D.

(1929-2017) passed away on July 7 at Connecticut Hospice in Branford. A native of Springfield, Mass., he graduated summa cum laude from the University of Massachusetts Amherst in 1952 before earning a Master of Forestry and Ph.D. at Yale. In 1951, while a senior at UMass, he married Irene Hackett. Together they had seven children and were married nearly 55 years. George also served as a First Lieutenant in the U.S. Army from 1952-1957. He began his career at the Connecticut Agricultural Experimentation Station as an assistant scientist in 1958 and retired as Chief of Forestry and Horticulture in 1997. He was an ordained Permanent Deacon and served the parish of St. Frances Cabrini in North Haven from 1981 until 2015. A quiet and unassuming man, he led by example and enjoyed simple pleasures such as a good meal, gardening, and fishing. He was predeceased by his wife, Irene, and is survived by his seven children, 15 grandchildren, and seven great-grandchildren.

Heather Carr West '15 M.F./M.B.A.

(1987-2017) passed away peacefully at home surrounded by family on May 19 after a heroic fight with colon cancer. A native of Davis, Calif., Heather was a strong athlete who set numerous school records in track and field, swimming, and water polo. In 2005, she was named California Interscholastic Federation's female Scholar-Athlete of the Year and Davis Senior High School's female Athlete of the Year. She then attended Stanford University where she majored in environmental history, was captain of the women's water polo team during her junior and senior years, and was named an Academic All-American. After graduation, she worked at Stanford's Bill Lane Center for the American West where she organized educational programs and internships, including a formative three-week rafting trip through the Grand Canyon. She then attended Yale, earning joint degrees in forestry and business administration, and was named a Wyss Scholar for her work and interest in the American West. She served as "Den Mom" of the joint degree program, President of the Society of American Foresters' Yale Chapter, and member of the Forestry Club. Despite her diagnosis with Stage 4 colon cancer in the fall of 2014, Heather graduated from Yale with both master's degrees in 2015. Heather was a pillar of community life at F&ES, and was selected by her cohort as a student speaker at commencement where her speech focused on resilience. "I believe there's an immense power in moving forward with your dreams in the face of uncertainty," she said. Heather is survived by her parents, Richard and Catherine, her sister, Sarah, her brother-in-law, Matthew, and beloved dog Anuk.

HEATHER CARR WEST "GO WEST" FUND

In the days after Heather passed away, her F&ES and SOM classmates wanted to honor her adventurous spirit and the indelible imprint that she had made on their lives. Motivated by her memory, and after a flurry of emails and conference calls, her friends came up with the idea of the "Heather Carr West 'Go West' Fund." This fund will be awarded in support of students focused on the American West, an area Heather cared about deeply.

In Heather's commencement speech to the 2015 graduating class, she summarized her hopes for the F&ES community: "I want our community to be remembered as a class that embraced the unknowns. I want to be recognized as a cohort whose patience and humbleness exceeded their needs for accolades and awards. And I want to be on a team whose resilience in the face of uncertainty catalyzes solutions to some of the greatest environmental challenges facing our globe today. And I want to be there, with each and every one of you, every step of the way."

Read the full commencement speech: *http://environment.yale.edu/news/article/commencement-day-class-of-2015-graduates/*

To date, more than 48 gifts have been made to this fund. One classmate wrote, while making a contribution online, "Heather, you were as bright and warm as the morning's rays. The enormity of your intelligence was surpassed only by your heart and smile. I will always remember you for the contagiousness of your smile, the warmth of your hugs, and the serenity of your nature. Heather, you will always be a North Star from which I find direction in how to treat others and this beautiful planet we shared. You'll be missed. But you live on in everyone fortunate to have met you. Rest peacefully Den Ma."

Heather's memory and words continue to inspire her friends and classmates, and her "Go West" fund will catalyze the growth and development of a new cohort of humble and creative leaders.

YALE'S SCHOOL OF FORESTRY & ENVIRONMENTAL STUDIES ASPIRES TO LEAD THE WORLD TOWARD A SUSTAINABLE FUTURE WITH CUTTING-EDGE RESEARCH, TEACHING, AND PUBLIC ENGAGEMENT ON SOCIETY'S EVOLVING AND URGENT ENVIRONMENTAL CHALLENGES.

PATHWAYS

Megan Selby '09 M.E.Sc.

How does this photo represent the work you do?

I lead an organization that is working to innovate zoo-based conservation models to be more central to the core purpose, and I believe that means all members of our NGO should be involved in conservation, not just dedicated staff. That includes myself, so this image represents me participating in conservation efforts as part of one of three external conservation partnerships we have committed to working with for the next three years.

In other conservation partnerships we work with multiple species, but in this image I am monitoring a specific species, *Nestor notabilis*, or Kea. I am checking nest sites of Kea, the world's only alpine parrot, an endangered species endemic to the South Island of New Zealand. We have recently re-developed our Kea habitat at our zoo to champion the work of field conservation in our own region, so this image represents our dedication to Kea conservation both in-situ and ex-situ.

What are you trying to find out? What impact does this work have in terms of endangered species protection in New Zealand?

Zoos, even NGOs like the one I work for, often focus on advocacy and awareness, which is absolutely an essential part of species conservation becoming a cultural value. However, this is only possible with valid scientific data on the species.

The adult females have radio transmitters that give us information via satellite, including whether the female is active or incubating. However, to know if the chicks are surviving, or what happened to them if not, we set up cameras in the nest. Kea nest in cavities in remote locations, deep underground, and the cameras are set on motion sensors.

Monitors such as this have previously identified new predators not historically known to prey on Kea, as well as provide information on the range of infiltration of the predators into protected areas. Predator controls are variably carried out throughout the region, and while Kea have historically been largely at higher elevations than many predators go, new data shows that predator populations are increasing in density and expanding in range. We hope that we can use this gathered information to keep the government commitment to protecting Kea for the future.

What are a few key aspects of what you learned at F&ES that influence the work you do today?

To ask for help from an expert when you do not know the answer yourself, that no matter what your job description is there is always time to commit to being on the ground or in the field as a volunteer or as part of your work, and that the key to conservation is collaboration.

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