A new interactive exhibit opened in the Knobloch Environment Center on the third floor of Kroon Hall during Reunion Weekend 2015, featuring the images of F&ES alum Steve Young ’85 M.E.S. and his colleague Paul Kelly. The exhibit, titled "Macro or Micro? Challenging Our Perceptions of Scale," encourages viewers to guess whether the images were taken at macro or micro scale before viewing the answer key.

A selection of images from the exhibit are displayed on this page. Take a guess as to whether they are macro or micro – and what they might be images of – before checking the answer key on page 45.

Steve, a professor in the Geography Department of Salem State University, gathers images from satellites to study environmental changes on Earth, while Paul, a professor in the Biology Department, explores with an electron microscope the minute details of living organisms and other objects. The exhibition is designed to challenge people’s perceptions of scale by highlighting the patterns and similarities that occur at very different scales in the natural world.

The exhibit will be displayed in the Knobloch Environment Center through the end of December. If you visit F&ES, make sure to stop by Kroon Hall to view these incredible images in person.
Dear F&ES Alumni and Friends,

In this edition of CANOPY, the strength of the commitment of our alumni, friends, and the School itself to current and future generations of students is illustrated through many meaningful examples.

This spring, our scholarship initiative successfully concluded, raising $10.1 million and creating 22 new endowed scholarships. This investment in our students by generous alumni and friends will have untold positive impacts for generations to come – see page 8 for details.

Hundreds of alumni invest countless hours volunteering for F&ES and its students each year, from sharing their knowledge through courses, panels, and programs, to assisting with recruiting the next generation of students, to hosting students at their work places as interns or on job treks. Over 200 alumni volunteered to be in the pool of mentors for second-year students as part of the Environmental Leadership Mentoring (ELM) program. By volunteering their time and knowledge, alums are making an immediate impact on students’ F&ES experiences and professional growth – you will find examples throughout this edition of CANOPY.

In this edition, you will also read about renovations to Greeley Memorial Laboratory, an investment that is restoring Greeley to its historic roots while creating a state-of-the-art research facility for faculty and students today and into the future – see page 14 for an update.

Investments in F&ES and its students today will realize significant long-term returns, as these students will go on to lead critically important initiatives and make a tremendous positive impact worldwide as alums. See Class Notes for some examples – and share your stories for the next edition of CANOPY!

Thank you for your generous collective investments of time, energy, and resources, which will sustain the F&ES community into the future.

All the best,

Kristen Clothier ’98 B.S., ’01 M.F.
Assistant Director, Development and Alumni Services

CONTENTS

4 F&ES Happenings
6 Leadership Council 2015
8 Scholarship Initiative
9 ELTI
10 Class of 1980 Project Fund
12 Annual Report
14 Greeley Renovations
16 Alumni Association Board
18 2015 Commencement
26 Honor Roll
34 Class Notes
35 Macro/Micro Answer Key
36 In Memoriam
48 Class of 2014 Career Update
50 F&ES Resources
Frances Beinecke ’71 B.A., ’74 M.F.S., former President of the Natural Resources Defense Council (NRDC), has returned to the Yale School of Forestry & Environmental Studies this fall as the 2015 Dorothy S. McCluskey Fellow in Conservation. The McCluskey Fellowship allows conservation practitioners, particularly women, to spend a semester at F&ES to pursue independent research, to enhance collaborations between F&ES and environmental organizations, and to expand professional training opportunities for students. Dorothy McCluskey ’73 M.F.S. endowed the fellowship in 1997. Frances is the 19th McCluskey Fellow and the second F&ES alum to receive it; Rose Harvey ’84 M.E.S. was a McCluskey Fellow in 2010.

As part of her fellowship, Frances is co-leading a fall semester course with Dean Crane, Diverse Voices: Environmental Leaders on Climate Change and the Environment, which examines how the environmental movement of the 21st century can better reflect all segments of American society. Throughout the semester, the course engages a diverse group of leaders tackling environmental challenges through advocacy, policy-making, academic research, and business.

Before the course began, Frances noted that she expected to get a lot out of the experience herself. “I really look forward to hearing what students are thinking about, and what faculty are working on,” she said. “Because sometimes you can miss the big picture when you’re working in the trenches.”

Back in the early 1970s, when she was an undergraduate at Yale College, Frances Beinecke knew that she wanted to tackle an issue related to social justice. But it wasn’t until after graduation, when she spent several months in Africa, that she found her focus. As she traveled, she was struck by the beauty, size, and scope of the natural world, and by the immense challenge of providing the resources needed by a growing population.

After a gap year she enrolled at F&ES, where she completed her master’s degree in 1974. And it was during the summer between her first and second years that she interned with NRDC, an organization established three years earlier by five young attorneys (four from Yale) who wanted to protect the nation’s resources and wildlife. A year later, Frances joined NRDC full time.

After a decade as a Coastal Resource Specialist, she became the Director of Programs in 1990, guiding NRDC through its first comprehensive strategic planning process. In 1998 she became its Executive Director. Eight years later, in 2006, she was named President.

Former F&ES Dean Gus Speth, ’64 B.A., ’69 LL.B., who helped found NRDC, first met Frances after she joined the organization in 1974. Although he left NRDC in 1977, he watched from afar as Frances climbed through the organization’s ranks. He notes that her command of issues, the environmental landscape, and NRDC earned her respect throughout the organization.

“But I think it was her personal qualities that actually account for her steady rise in the organization,” he said. “Her capacity for no-nonsense leadership and steady focus on the important things were complemented by an insightfulness regarding both issues and people that contributed to the widespread realization that Frances wanted to help others succeed and flourish.”

Under her leadership, NRDC invested heavily in the fight to curb global warming, helped promote clean energy initiatives, and fought for endangered wild habitats. NRDC also increasingly became a global organization, forging relationships with large and small organizations worldwide.

Although Frances has stepped back from her post as President of NRDC, she remains one of our nation’s most influential environmental leaders. Her presence at F&ES this semester is of immeasurable benefit to our students, staff, and faculty, and is a highlight of this academic year.”

— Dean Peter Crane

“If there is one thing I’ve learned, it is that all issues take decades to address. Yes, if you look back over a five- or ten-year period you can start to see progress. But you just have to be committed for the long term.”

— Frances Beinecke ’71 B.A., ’74 M.F.S.
F&ES Dean Peter Crane Accepts Leadership Role at a New Foundation

In September, Sir Peter Crane, Carl W. Knobloch, Jr. Dean of the Yale School of Forestry & Environmental Studies, announced that he plans to step down as Dean of the School in June 2016, at the end of his seventh year.

“It’s hard to express what an exhilarating privilege it has been for me to be part of this great university and the best professional school of the environment anywhere in the world,” said Dean Crane. “It will be an enormous wrench to leave behind the wonderful F&ES community with its outstanding staff and faculty, inspiring students, incomparable alumni, and dedicated supporters. Nevertheless, after discussing the prospect of this transition with my family, we have concluded that this is the right time to take up a new and important challenge.”

Beginning in July, Dean Crane will become President of the newly created Oak Spring Garden Foundation in Virginia. Oak Spring includes one of the great gardens of North America and the Oak Spring Garden Library, which houses a collection of books, prints, and drawings tracing the history of landscape architecture and garden design, including the early history of plant science. The mission of the Foundation will be to facilitate scholarship and public dialogue on the uses, history, and future of plants.

In the coming months, Dean Crane will be redoubling his efforts to secure the School’s most important priorities for the future. These include further strengthening F&ES’s research portfolio, enhancing the breadth and quality of the School’s pedagogy, completing the renovation of Greeley Memorial Laboratory, and raising funds to enhance Yale-Myers Forest by adding field-based courses and fellowships for Yale students, as well as new research facilities and programs to promote cutting-edge, interdisciplinary inquiry into the natural sciences.

A search committee will be established this fall and a national search for Dean Crane’s successor will begin shortly thereafter. Alumni and friends will have ample opportunity to provide their input to the search committee. We hope many alumni and supporters will share their thoughts and perspectives during this time of leadership change.

Professor Thomas Graedel, Pioneer in Field of Industrial Ecology, Retires

Professor Thomas Graedel, who made Yale a global center in industrial ecology, a growing field that explores the flow of energy and materials through industrial systems, their effects on the environment, and how economic, political, regulatory, and social impacts might transform these systems, retired from the faculty earlier this year after 18 years at F&ES.

Since joining F&ES as a full-time professor in 1997, Professor Graedel helped cement Yale as a leader in the development and institutionalization of the field of industrial ecology, conducted seminal research, and coalesced a global community of academic, industry, and policy leaders who are tackling a wide range of environmental challenges. A prolific researcher, Professor Graedel has collaborated with more than 250 authors on hundreds of papers, producing foundational work on streamlined lifecycle analysis and the cycling of materials within the industrial ecosystem.

During a series of F&ES events celebrating Professor Graedel’s career, including a symposium held in his honor in April 2015 (see pages 6-7 for symposium coverage), colleagues and alumni from around the world, as well as current graduate students, were unanimous in crediting him for his pioneering role in the growth of industrial ecology. As Professor Emeritus, Professor Graedel will continue to have a presence here at F&ES as he furthers his research.

Learn more: environment.yale.edu/news/article/yale-honors-thomas-graedel-pioneer-in-field-of-industrial-ecology

Dr. Edgar Hertwich, Global Leader in Industrial Ecology, Joins F&ES Faculty

Dr. Edgar Hertwich joined F&ES this semester as Professor of Industrial Sustainability. Prior to his arrival at F&ES, Dr. Hertwich was a professor in the Norwegian University of Science and Technology’s Department of Energy and Process Engineering since 2003, where his research focused on climate mitigation, life cycle assessment, sustainable consumption and production, trade and the environment, and risk analysis.

Specifically, he has explored how societal activities produce environmental pressures, the dynamics of global development that affect these forces, and alternative courses that can reduce these pressures. For more than a decade he also served as director of the School’s Industrial Ecology Programme.

He is a member of the United Nations Environment Programme’s International Resource Panel and leads the Working Group on the Environmental Impacts of Products and Materials. He was lead author of the energy systems chapter in the Intergovernmental Panel on Climate Change’s 5th Assessment Report.

“Dr. Hertwich is an international leader in the field of industrial ecology, and we are extremely pleased to have him join the F&ES community,” said Dean Peter Crane.

Learn more: environment.yale.edu/news/article/edgar-hertwich-global-leader-in-industrial-ecology-joins-fes-faculty

Most of the contents of pages 4 and 5 are excerpted from articles produced by Kevin Dennehy, F&ES Communications Officer. Visit the links to view the complete articles.
This year’s F&ES Leadership Council meeting was a remarkable time of celebration and learning as we paid tribute to Thomas E. Graedel, the Clifton R. Musser Professor of Industrial Ecology and Director of the Center for Industrial Ecology, as he approached his retirement. Professor Graedel’s former students and colleagues from around the world joined Leadership Council members to consider his legacy as the “Father of Industrial Ecology,” and delve into the “Story of Stuff,” the theme of this year’s meeting about how industrial ecology is making our world smarter, safer, and more sustainable.

In advance of the Leadership Council meeting, a special day-long symposium was convened on April 23 by the Center for Industrial Ecology to honor the career of Professor Graedel. Former students and colleagues gathered in Burke Auditorium to celebrate his wide-ranging accomplishments, including how his work has shaped resource and environmental analysis, management, and policy.

The Leadership Council meeting officially kicked off in Burke Auditorium with a thought-provoking retrospective on Professor Graedel presented by Princeton Professor Emeritus Robert H. Socolow. After being introduced by Connecticut DEEP Commissioner Robert Klee ‘99 M.E.S., ’04 J.D., ’05 Ph.D., Professor Socolow, who worked with Professor Graedel for more than two decades, credited him for re-conceptualizing environmental analysis (“cradle to grave”) and for his pioneering research on material accounting and scenario-building on a planetary scale.

During the Leadership Council dinner that evening, F&ES Dean Peter Crane raised a toast to Professor Graedel and announced several new gifts in his honor, including a new endowed scholarship, a new small grants fund to seed innovative industrial ecology research projects, and the Graedel Prize, for the best-judged articles in the *Journal of Industrial Ecology*.

On Friday morning, April 24, Dean Crane opened the Leadership Council meeting with a State of the School report. Leadership Council co-chairs Pam Kohlberg ’75 B.A., ’77 M.F.S., and Tom McHenry ’77 B.A., ’80 M.F.S., then took over the podium with an update on the scholarship initiative, which was nearing its $10 million fundraising goal. Pam noted that 21 new endowed scholarships were created through the initiative, a 40% increase in the total number of F&ES scholarships! New scholarship funds have already been allocated to 75 current students. (Editor’s note: The initiative ended on June 30, having raised $10.1 million. See page 8 for details.)

The “Story of Stuff” symposium began with an introduction by Associate Professor of Industrial Environmental Management Marian Chertow ’81 M.P.P.M, ’00 Ph.D., who succinctly defined industrial ecology by illustrating the concepts of life-cycle analysis, industrial symbiosis, and resource use and re-use using real-world examples. Her primer was a perfect introduction to the symposium keynote speaker, Leadership Council member Heinrich Jessen ’95 M.E.M. Heinrich, Chairman of Jebsen & Jessen, a diversified, multinational industrial conglomerate based in Singapore, was one of the first F&ES students to graduate from the School with a focus on industrial ecology. Heinrich told the story of how he assumed leadership of his family’s century-old group of companies and began implementing industrial ecology principles across more than 50 companies engaged in engineering, manufacturing, and distribution in Southeast Asia.

Following Heinrich, a panel of F&ES alums took center stage in Burke Auditorium for an in-depth examination of how industrial ecology is being implemented across energy, food, clothing, and technology sectors. The alums discussed the application of industrial ecology principles in their different professional disciplines, offered their predictions on how industrial ecology might be used in the future to improve business and environmental performance, and reflected on the value of their industrial ecology training at F&ES and its impact on their careers.

During the closing lunch, Yale President Peter Salovey ’86 Ph.D. began his remarks by acknowledging Tom Graedel and praising his outstanding record of scholarship and citizenship at Yale. He also congratulated the Leadership Council on the success of its scholarship initiative, which served as a precursor to the University’s Access Yale initiative now underway.
TOP LEFT Princeton Professor Emeritus Robert H. Socolow pays tribute to Professor Tom Graedel during his keynote address.

BOTTOM LEFT Professor Tom Graedel giving remarks at the reception.

TOP RIGHT Professor Marian Chertow ’81 M.P.P.M., ’00 Ph.D., with Leadership Council member and keynote speaker Heinrich Jessen ’95 M.E.M.

MIDDLE Left to right: Chris Lotspeich ’96 M.E.S./M.P.P.M., Shannon Siart ’10 M.E.M., Duncan Cheung ’07 B.A., ’08 M.E.M., Punit Lalbhai ’07 M.E.Sc., and Suzette Carty ’04 M.E.M. comprised an alumni panel moderated by Weslyne Ashton ’03 M.E.Sc., ’08 Ph.D.

BOTTOM RIGHT Left to Right: Ed Bass ’75 B.A., ’77 M.F.S., listening intently to Yale President Peter Salovey ’86 Ph.D.
SCHOLARSHIP INITIATIVE RAISES $10.1 MILLION FOR F&ES STUDENTS

A three-year scholarship initiative led by F&ES Dean Peter Crane and the School’s Leadership Council has generated $10.1 million in new scholarship support for F&ES students. These new funds have helped create unprecedented opportunities for F&ES students, said Pam Kohlberg ’75 B.A., ’77 M.F.S., and Tom McHenry ’77 B.A., ’80 M.F.S., co-chairs of the F&ES Leadership Council.

“One of life’s most gratifying experiences is the opportunity to help a bright and dedicated young person pursue training in environmental sciences, and apply her/his subsequent skills to the world’s pressing problems,” Pam said. “Learning about the entrepreneurial approach of current students and the long-term contributions by F&ES alumni continues to reinforce the value of scholarship support. As one of our distinguished alumni reflected, education is the portable asset that no one can take away, and will always bear fruit in many different geographies.”

“In three short years, I’m deeply proud that we have been able to significantly increase the scholarship funding available to incoming students,” said Tom.

At the close of the campaign, Pam and Tom expressed their gratitude to all of those who contributed. They also shared a video message from current F&ES students, which can be viewed at: https://vimeo.com/126183546. Pam and Tom noted that “our appreciation, though heartfelt, cannot adequately represent the gratitude of the students whom you have helped.”

Although F&ES has made tremendous progress in providing student support in recent years, the annual gap between overall student need and available scholarship funds still remains high, about $5 million annually. Even with the formal initiative now over, the School continues to actively seek donations for scholarship support.

In addition to adding more scholarship support, F&ES is also actively engaged in new fundraising initiatives including a research campus at Yale-Myers Forest; a food/agriculture program to address a critical gap in the curriculum; recruitment and outreach efforts to boost the diversity of viewpoints at F&ES; and online education innovations. "Increasing scholarship support is obviously the right thing to do for our students, but it’s also the right thing to do for our School since it helps us to attract the very best students from around the country and around the world. This initiative represents an enormous step in the right direction towards keeping F&ES in the forefront of training to meet current and future environmental challenges, and we simply could not have done it without the generosity of our friends and alumni.”

— Dean Peter Crane

BY THE NUMBERS:

- In F&ES’s first 112 years, 52 endowed scholarships were established; over the past three years, 22 new endowed scholarships were created, an increase of 42%.
- 140 donors contributed to the scholarship initiative, including: the majority of Leadership Council members; F&ES alumni; Yale alumni; friends with no Yale affiliation; graduating members of the F&ES Class of 2014; corporations; and foundations.
- In 2014-2015, more than 75 current students were supported by newly raised funds.

If you have any questions or would like further information about making a gift to F&ES, please contact Tim Northrop, Director, or Kristin Floyd, Associate Director, in the F&ES Office of Development and Alumni Services.
**ENVIRONMENTAL LEADERSHIP AND TRAINING INITIATIVE (ELTI)**

*Improving Local Capacity for Tropical Forest Conservation and Restoration*

The goal of the Environmental Leadership and Training Initiative (ELTI), a center at F&ES, is to improve local capacity for tropical forest conservation and restoration. ELTI provides field-based and online training courses, and follow-up leadership support, to facilitate the design and implementation of an array of land management strategies that help to conserve and restore forests, native tree cover, and ecological integrity in degraded tropical areas.

Professor Mark Ashton ’85 M.F., ’90 Ph.D., is ELTI’s Principal Investigator, and ELTI’s eight full-time staff members include F&ES alumni Eva Garen ’97 M.E.S., ’05 Ph.D., Director; David Neidel ’06 Ph.D., Asia Program Coordinator; and Gillian Bloomfield ’10 M.F.S., Online Training Coordinator. ELTI is made possible by the generous support of the Arcadia Fund.

ELTI’s Training and Leadership Programs “provide those who are managing or directly influencing tropical human dominated landscapes with access to a wealth of information and applied experience from world-class universities and in-country partners on key themes related to conservation and restoration,” notes Eva.

ELTI works closely with local communities in tropical Asia and the Neotropics to develop capacity-building trainings, believing that long-term restoration and conservation success depends on improving local people’s livelihoods. Eva notes that ELTI “listens to the needs and interests of the people on the ground and then helps to build their capacity in ways that work with their existing livelihood practices.”

Eva added that ELTI is “also focused on facilitating the application of this knowledge by those who complete our Training Programs via our Leadership Program, which helps to ensure transformational changes on the ground.”

As one example, in May 2015 on the island of Leyte in the Philippines, ELTI worked with a local partner to hold a “Rainforestation” trainer’s training event. “Rainforestation” is a local form of community-based reforestation using native tree species. The training was attended by 29 participants from NGOs, academia, and government. The objective of the training was to teach a combination of theory and practical experience for establishing a rainforestation site. By focusing on training new trainers, ELTI is able to broaden its impact; new leaders are empowered to establish rainforestation sites and share these practices in their communities. A participant has already implemented a follow-up training. Since ELTI began in 2006, it has supported numerous other training programs throughout tropical Asia and the Neotropics.

David notes that “this work is hugely important because throughout the tropics the loss of environmental goods and services (wood, NTFPs, water, and buffering against landslides, flooding, storm surges, etc.) resulting from deforestation and forest degradation is being acutely felt.”

In addition to F&ES alumni involvement on the leadership team, “many alumni play a role in ELTI’s work as contractors or consultants, participating in activities such as curriculum design, content development, materials creation, and teaching during ELTI trainings,” Gillian notes.

In keeping with the theme of alumni engagement, ELTI offered an online course last spring targeted at F&ES alumni. The course, *Tropical Forest Restoration in Human Dominated Landscapes*, offered alumni both a professional development opportunity and an opportunity to reconnect with alumni and faculty in new ways. F&ES alum Gene Peck ’96 M.E.S., who took the course, commented that “interacting with other participating alumni located in different parts of the globe, directly in class and on our projects, was a unique experience that greatly enhanced the course through additional examples of real problems and situations.”

Talented and passionate F&ES alumni have been a great asset to ELTI and they welcome further support. Specifically, Eva commented that “we are interested in including F&ES alumni in our field-based and online training events as instructors or guest experts … or to serve as mentors for participants of these trainings.” For more information on how to get involved, please visit elti.yale.edu or contact elti@yale.edu.

---

*This article was written by Grace Lange ’17 M.E.M.*
FUNDING CREATIVE COMMUNITY-FOCUSED STUDENT PROJECTS

In the spring of 1980, the graduating class chose as their gift to establish a fund to support creative student projects. “We established the Class of 1980 Project Fund before our graduation because we wanted to give back to the School. We thought the most effective way to do so would be to support student projects that benefit the community, both at Yale and outside of Yale,” notes Laura Snook ’80 M.F.S., ’93 D.For. “We also hoped that reviewing and voting each year on the project proposals would keep us in touch with the interests and aspirations of the students. And thanks to the generosity of our classmates and the growth of the Yale endowment, we have been able to realize that vision many times over.”

Here are the student projects implemented with full or partial Class of 1980 Project Fund support in 2015.

Green Careers, Women Leaders
Project Leaders: Kate Heller ’15 M.E.M., Clara Rowe ’15 M.E.M., David Gonzalez ’15 M.E.Sc., and Jessie Shoemaker ’15 M.E.M.

The 3rd annual Green Careers, Women Leaders conference for high school girls was held in Kroon Hall in March, with 34 students from 11 New Haven and Bridgeport area schools participating. The conference provided students with exposure to a variety of environmental career options and illuminated a path towards their own leadership goals. The conference included a whole-group goal mapping session, small group conversations with F&ES student mentors, digital mapping and social media sessions, and hands-on breakout sessions. The day’s feature event was a panel discussion with distinguished women in fields spanning ecology, energy, and health.

“Another piece of progress Green Careers, Women Leaders made this year was ensuring that the conference will have a home at F&ES for the foreseeable future. We recognized the need for institutional memory and consistent leadership for the event to continue to be successful and to grow. Green Careers, Women Leaders has a new institutional home in the School’s … Office of Diversity and Inclusion.”

—From the Green Careers, Women Leaders Summary Report

Yale-Myers Forest Orchard
Project Leader: Michael Meehan ’16 M.E.M.

Over the past year a new forest orchard was designed, installed, and tended to at Yale-Myers Forest. Not long ago this roughly one-acre plot of land was indistinguishable from the surrounding forest. Today, after clearing and stumping the space and erecting 700 feet of fencing, a highly diversified agroforestry demonstration orchard has been established. The orchard is now brimming with 30 different perennial crops, from Kiowa blackberry to the oldest domestic apple cultivar to wetland permaculture darlings. Altogether there are 63 varieties of plants and 176 fruit and nut plantings. F&ES is now home to a dynamic new living laboratory.

“In recent years, Yale-Myers has increasingly demonstrated the economic and ecological value of diversified land use and non-timber forest products to the surrounding community, students, and visitors. We expect our endeavor to continue this tradition and serve as a lasting space for experimentation and nourishment, a robust and diverse demonstration of New England’s potential for perennial agriculture.”

—From the Yale-Myers Forest Orchard Summary Report

International Society for Tropical Foresters (ISTF) Conference

The theme of the 21st ISTF Conference, held in January, was “Conserving Biodiversity Across Multiple Use Landscapes through Strategic Governance and Land-Use Planning.” The theme was chosen in recognition of the increasing rate of biodiversity loss from rapid land-use conversion in the tropics, climate change, and the urgent need to adopt a landscape approach to conservation. The conference attracted more than 100 practitioners, academics, and students, including participants from 15 countries. It took place over three days and included a number of impressive keynote speakers and two hands-on workshops.

“At the oldest and largest student run conference at F&ES, the annual ISTF Conference is an institution at the School … We aimed to continue to grow the Conference by offering tangible skills, providing networking opportunities, and ensuring participation from practitioners from developing tropical countries.”

—From the ISTF Conference Summary Report
2nd Yale Symposium on Chinese Overseas Investment and Its Environmental and Social Impacts
Project Leaders: Tianjun Hou ’15 M.E.Sc., Jie Pan ’15 M.E.M., and Daphne Yin ’16 M.E.M.

The 1st Yale-China Symposium in 2014 was successful in pioneering timely and in-depth discussion on the environmental and social issues of Chinese overseas investment. The 2nd symposium, held in April, brought together an impressive array of speakers from the private sector, multilateral development agencies, academic scholars, and NGO representatives to discuss how to better manage the social and environmental risks of Chinese government agencies and transnational corporations as they continue to invest globally.

“This year we introduced four interactive case study sessions on Asia, North America, Latin America, and Africa. These sessions were jointly designed with the case presenters to provide the audience [with] an opportunity [to] interact and engage in direct dialogues with speakers on Chinese overseas investment across regions and sectors. This forum recognize[d] challenges, catalyzed much-needed discussions, and raised social awareness that hopefully will improve industry practices.”

—From the 2nd Yale-China Symposium on Chinese Overseas Investment Summary Report

Environmental Film Festival at Yale (EFFY) Inaugural Filmmaker Symposium

Four filmmakers and producers, forty-five students, five faculty members, ten staff members, and fifteen members of the public attended the inaugural EFFY symposium in April. Participants learned how to make films, develop effective narratives, and apply what they learned to a current show airing on Showtime. Presenters included Ian Cheney ’02 B.A., ’03 M.E.M., an Emmy-nominated and Peabody Award-winning documentary filmmaker, who captivated the audience with his best filmmaking advice, and Paul Lussier ’81 B.A., current F&ES instructor and former producer at the Discovery Channel, who spoke about the history of environmental films and what messages and storytelling devices seem to work better than others.

“The symposium was a sold-out, smashing success that drew rave reviews from Dean Crane, our invited guests, many attendees, filmmakers, producers, and the press. It was [a] thought-provoking and boundary-crossing event [that] set the tone for the entire festival.”

—From the EFFY Inaugural Filmmaker Symposium Summary Report

Drought: Solutions for Scarcity Spring Speaker Series
Project Leader: Michelle Camp ’15 M.E.M.

This series fostered an important dialogue about sustainable water management in response to increasing water scarcity. Five water experts from across the country each delivered a compelling talk on campus, including two alums: Jennifer Pitt ’93 M.E.S., Director of the Colorado River Program for the Environmental Defense Fund, and Peter Yolles ’97 M.E.S./M.B.A., Founder of WaterSmart Software. Related activities gave students opportunities to grow professionally and network with these environmental leaders.

“The F&ES community greatly benefitted from the dialogue and perspectives that emerged throughout the series. As severe drought and rapid population growth continue to threaten water security worldwide, this kind of discussion grows more and more relevant. With the support of the Class of 1980, such a conversation took place on the Yale campus and resonated with many future thought-leaders.”

—From the Drought: Solutions for Scarcity Spring Speaker Series Summary Report

SAGE Magazine’s Environmental Investigative Journalism Speaker and Workshop Series
Project Leader: Noah Sokol, Ph.D. Candidate

SAGE Magazine organized a workshop and speaker series on environmental investigative journalism. In April, award-winning environmental investigative journalist Abrahm Lustgarten of ProPublica led a writing workshop for F&ES students, during which he addressed many angles of this dynamic field. He also delivered a well-attended talk that included a discussion about the role of web-based, public interest journalism in the media landscape, and the approaches a journalist uses to distill complex environmental science and policy issues into captivating, long-form journalism. The second part of this two-part series will take place in the current academic year.

“Students benefited from the workshop and talk who were not only interested in investigative journalism specifically, but more broadly in how to apply techniques of investigative journalism to their own research projects.”

—From the Environmental Investigative Journalism Speaker & Workshop Series Summary Report
Overall Fundraising

Fundraising achievement in FY 2014-2015 continued to be strong, accounting for nearly $8.1 million in new gifts and grants to F&ES. The F&ES Annual Fund held steady, with participation and donations closely tracking the previous year at 27% and $277,269 respectively. Thank you for your continued support!

The School’s scholarship initiative, led by F&ES Leadership Council Co-Chairs Pam Kolhberg ’75 B.A.,’77 M.F.S., and Tom McHenry ’77 B.A.,’80 M.F.S., raised more than $10 million by the June 30 deadline, more than double its original goal. Twenty-two new endowed scholarships were created during the three-year effort, a 42% increase. Leadership Council members, F&ES alumni, Yale alumni, friends, graduating members of the F&ES Class of 2014, corporations, and foundations were among the 140 donors to support the initiative. New scholarships will support F&ES joint degree students with the School of Management and the Jackson Institute for Global Affairs, as well as students interested in forestry in the United States and in the tropics, urban and industrial ecology, and environmental science and management. Leadership Council member Coleman P. Burke ’63 B.A. was instrumental in closing out the initiative with a $775,000 endowed scholarship in support of master’s degree students from the United States.

Fundraising Achievement 2014-2015

- F&ES Annual Fund: $277,269 (3.4%)
- Corporations & Foundations: $3,149,128 (39%)
- Individuals: $4,646,402 (57.6%)
OUR DEEPEST THANKS to all alumni who contributed to the Annual Fund in FY 2014-2015. Your generous gifts provide unrestricted scholarship support to current students, 8 out of 10 of whom are receiving financial aid.

The Annual Fund is a critical part of F&ES’s budget and complements the dollars we receive in the form of endowed scholarships, which are often restricted for specific purposes. Assuming a 5% endowment payout, contributions to the Annual Fund last year provide support equivalent to $5.5 million in endowment.

This year, 1,145 individuals gave a total of $277,269 to the Annual Fund. The average contribution was $242, with gifts ranging from $5 to $20,000.

Overall participation was 27%, with six classes across eight decades achieving a participation rate of 50% or greater. Our newest graduates, the Class of 2015, reached an outstanding rate of 86% and funded four scholarships. Their generosity and leadership is an inspiration, particularly as they begin to pay off their student loans and seek employment.

We are also grateful to the hardworking alumni who volunteer as Class Agents, reaching out to their classmates in support of the School. Most recently, the ranks of Class Agents were joined by Joanne Polayes (1977), Jeffrey Adams (1997), and Mark Hengen (1994), plus the ten agents from the Class of 2015: Hasita Bhammar, Yaping Cheng, Kenneth Cloft, Yesenia Gallardo, Emily Grady, Susannah Harris, Dawn Henning, Hyacinthe Nare, Frances Sawyer, and Krysia Solheim.

Volunteer to join them, today! We are actively recruiting Class Agents for the classes of ’55, ’62, ’72, ’81, ’90, ’95, ’96, and ’06.

Please demonstrate your support of F&ES’s current students and ongoing mission. Whether you are renewing your support, or giving for the first time, F&ES is counting on you!

New scholarships remain a fundraising priority for FY 2015-2016 and all alums are encouraged to support scholarships through donations to the Annual Fund, or by establishing a current use or endowed fund. In addition, we will be seeking contributions to create a Campus for Field Studies at Yale-Myers Forest. The vision for Yale’s “northeast campus” includes adding new research facilities, field-based teaching courses and programs, a field ecology apprenticeship program, and strengthening student outreach to local communities. We will also be raising funds in support of food and agriculture research and courses, as well as to bolster diversity initiatives at the School, including new scholarships, fellowships, and courses. We hope to have your partnership in pursuing this exciting agenda.
After nearly seven years, the Greeley Memorial Laboratory renovations will be completed this December. Greeley – F&ES’s primary lab space – is home to the Center for Green Chemistry & Green Engineering at Yale, as well as offices and lab space for other F&ES faculty such as Shimi Anisfeld, Mark Bradford, Craig Brodersen, Alex Felson, Os Schmitz, and Dave Skelly.

The building, named for William Buckhout Greeley (M.F. 1904, M.A. Hon 1927), was the first designed for Yale by architect Paul Rudolph, who served as Dean of the School of Architecture from 1958-1965. Rudolph, who also designed the University’s Art & Architecture Building (now Rudolph Hall), is well-known for his controversial, Brutalist designs that favor heavy use of simple, precast concrete and open plan concepts.

Graeme Berlyn, who joined the F&ES faculty in 1960, was one of Greeley’s earliest inhabitants. Initially, the building housed the School’s wood science program. Professor Berlyn says Rudolph worked with the faculty to design a state-of-the-art lab that ended up attracting other researchers, such as engineers and medical students, from across the University.

“We had rooms we could grow large plants in. We had a very well-controlled plant growth room where we could vary temperature and light and the big plant-growth rooms were gas sealed so we could do carbon dioxide enrichment experiments,” Professor Berlyn says. “This was a new type of design and he envisioned it as just a single floor laboratory space, and so that’s why he didn’t do anything with the basement. The bad part about what happened after that is that everything was done piecemeal. There was no architect involved and so there was no overall planning of these things.”

The renovation has served to both modernize F&ES’s lab space and to save a historical building from disrepair.
By the time Dean Peter Crane arrived at F&ES in 2009, Greeley was in serious neglect. Jan Taschner, F&ES Facilities Superintendent, and Susan Wells, F&ES Director of Finance and Administration, took photographs of the existing building and compared them to historical images to show Dean Crane what Greeley had originally looked like and what it had become. “There was no adequate break space [or] community space left and what was left was so unusable it was impractical,” Taschner says. “The Dean was fabulous about all of this and made things happen. And once we got this into the architect’s hands, he used the photographs to restore the original intentions of Rudolph’s design.”

Despite their seemingly austere appearance, Brutalist buildings are anything but simple to renovate. As Chris Williams, the architect who did the renovation, puts it, “They’re probably one of the hardest types of buildings to restore because you don’t have places to conceal things. It’s just concrete. For example, a lot of the conduit for the lighting is embedded in the concrete. So it’s not very easy to change that, or to put new in.”

Williams says the most challenging part of renovating any lab is all of the mechanical systems that must be integrated to serve each lab. The new Center for Green Chemistry is a state-of-the-art wet lab complete with cherry cabinets, epoxy countertops, and a free-floating grid that creates an implied ceiling plane. Natural light illuminates the lab through new trapezoidal windows that Williams installed. “This basement space is completely above grade, next to this beautiful garden; why wouldn’t you put windows in it? It really helps increase the real estate value of it, and really helps the space. It lets these researchers know that there’s an outside, otherwise it’s sort of like you’re in a casino.”

Williams’ team also restored Rudolph’s open floor plan in the lobby. Rudolph’s design originally included a reception desk. Williams scrapped the desk in favor of a common meeting space. They added custom-designed benches and Eero Saarinen chairs to create a collective gathering space where students and faculty meet to discuss research projects, relax, and even host events. The open space features Rudolph’s distinctive Y-shaped concrete columns that support a concrete ceiling punctuated with skylights.

“Over the past six years, nearly $12 million has been invested in Greeley, not only to address issues of basic infrastructure, but also to upgrade the laboratory facilities. The funds have been made available primarily through carefully timed withdrawals from the School’s capital replacement charge account. This phasing has spread the financial impact over several years in order to accomplish the renovations while simultaneously allowing the School to develop a secure financial position for the future.”

— Dean Peter Crane

This article was written by Timothy Brown ’15 M.E.Sc., Assistant Editor, F&ES Communications.
This fall, we welcomed two new F&ES Alumni Association Board Members, Alex Finkral ’97 M.F., ’05 Ph.D., and Kris Morico ’98 M.E.M., as well as a new F&ES Association of Yale Alumni (AYA) Delegate, Joe MacDougald ’05 M.E.M. (See bios in right-hand column of page 17.)

The Board Members were installed at the October 9, 2015, Alumni Association Board Meeting in New Haven. Their first term ends in 2018, with the option to serve an additional term of three years.

We also welcomed Ben Serrurier ’17 M.E.M. as the Class of 2017 Student Representative to the F&ES Alumni Association Board. Ben will serve a three-year term, representing his classmates and working on projects that benefit students, alumni, and the School.

At the same time, we expressed our deepest appreciation to an outgoing Board Member who completed her many years of service to the Board: Nicole Chevalier ’99 M.E.S. At the Alumni Association Board Dinner in October, we thanked Nicole for her dedicated service to the School and its alumni. Nicole has served on the Alumni Association Board since 2007 and has been a key part of many of its successful accomplishments.

"Nicole’s commitment of volunteer service to our Alumni Association has made a significant impact. Her service as Vice President and as Chair of the Nominations Committee has provided our Alumni Association Board with stable and steady leadership. As a result, we’ve been able to expand our programs for alumni volunteering, grow our levels of alumni engagement, and increase activities supporting student needs," noted Alumni Association Board President Brian Goldberg ’03 M.E.M.

Year in Review

During the past year, the F&ES Alumni Association Board remained extremely active in its pursuit of strengthening alumni-to-alumni, alumni-to-student, and alumni-to-University connections and engagement.

A key accomplishment in 2014-2015 was the implementation of the first successful year of the Environmental Leadership Mentoring (ELM) program, working closely with the Career Development and Alumni offices, as well as the ELM Committee (comprised of representatives of the Alumni Association Board, students and faculty, and staff from the Career Development, Student Services, and Alumni Services offices). Over 100 alumni participated in the first year of the mentoring program and over 200 alumni volunteered to be in the pool of ELM mentors for the current year.

Many members of the Alumni Association Board have also invested incredible amounts of time, energy, and dedication in the past year in planning the Yale Environmental Sustainability Summit (YESS) on November 6-7, 2015. This University-wide summit will engage hundreds of Yale alumni, faculty, staff, and students, as well as world-renowned experts, practitioners, and scholars in the environmental realm, on new techniques and technologies to transform the use of food, energy, and water. (Editor’s note: YESS had not yet taken place at the time this edition of CANOPY went into production; an in-depth article on YESS will be included in the Spring 2016 Edition.)

In addition, members of the Alumni Association Board: worked with F&ES Diversity and Sustainability Fellow Maclovia Quintana ’14 M.E.Sc., other alumni, and students to start a student-alumni group focused on diversity; brought alumni back to campus to engage with students as part of the Alumni Association Speaker Series focused on leadership; organized a Yale Day of Service event in Denver, Colo., with Dean Peter Crane; developed an alumni survey to obtain input from the alumni community; assisted with organizing a number of regional
alumni programs and events, including one in Maine with special guest Professor Brad Gentry; worked to set up a way for alumni to purchase F&ES swag (see page 51 for details); and implemented a number of additional projects for the benefit of alumni, students, and F&ES.

Alumni Association Board Scholarship

In October, the F&ES Alumni Association Board selected two F&ES master’s degree students as this year’s recipients of the F&ES Alumni Association Board Scholarship, created in honor of Ruth Allen ’72 M.F.S. ’77 Ph.D. Ruth was a longtime member of the Alumni Association Board and former Board President who tragically passed away in 2012. She is remembered for her dedication, mentoring, and volunteer service to F&ES alumni, students, and the community as a whole.

This year, the scholarship awards went to Marguerite Harden ’16 M.E.M. and Nicholas McClure ’16 M.E.M. Both students were recognized for their leadership and exemplary record of volunteer service, especially to the F&ES, Yale, and New Haven communities. The Board awarded each student a $2,500 scholarship.

Looking Ahead

In 2015-2016, Brian Goldberg ’03 M.E.M. will help ensure leadership continuity by serving for one additional year as Board President, Gordon Clark ’07 M.E.M. has taken on a new role as Board Vice President and will become Board President in 2016-2017, and Georgia Silvera Seamans ’01 M.E.M. will continue to serve as Board Secretary. We sincerely thank these leaders for their dedication and commitment to the Alumni Association Board.

The F&ES Alumni Association Board has a full slate of activities planned for this upcoming year, including strengthening and expanding the ELM mentoring program, continuing to develop a student-alumni group focused on diversity, developing ways to continue to engage alumni who participated in YESS, and continuing its successful Alumni Speaker Series. In addition, the Board will continue to organize and host regional programs and receptions around the country and internationally and explore continuing learning and professional development opportunities for alumni.

The activities of the Alumni Association Board depend on the volunteered time, talent, and enthusiasm of our dedicated Board Members. We are grateful to each of them for their commitment to F&ES and its alumni community.

“As a student at F&ES, I benefitted tremendously from the connections that I made with the faculty, staff, and other students, as well as with the active and engaged community of alums of the School. I enjoy serving on the F&ES Alumni Association Board because it enables me to help strengthen the bonds between these groups so we can more collaboratively address the myriad of environmental challenges that we face in our ever changing world.”

- Gordon Clark ’07 M.E.M.
Hello all! I am honored and grateful to share today with all of you. I would like to offer some thoughts on Life and Ritual on this most exuberant of occasions.

First, ritual.

Because Life is unwieldy, at once short and long, we mark the important parts of its passing with ritual. Rituals, like, say, graduations, provide a framework through which we can take a step back, notice, and reflect. Graduations in particular give us a space to reaffirm culture and community and reflect on all that has led to this point of transition.

Part of what has been wonderful about F&ES has been our myriad rituals. From MODS to veggie dinner, from TGIF to the Talent Show, as a community know how to take space, come together, and mark the passing of time, usually in joy and sometimes also in sadness.

In my time here, this cohort has experienced births, weddings, and funerals, as people we have loved have entered and exited our lives. We have celebrated and mourned these big events together.

Our ability to solemnize the big moments and celebrate the small ones is part of what makes being at F&ES so special. We have an enormous capacity for joy here. We delight in each other and in the world around us.

In thinking about our rituals, I have also been reflecting on what makes us a tribe and how we carry that forward. We as a community know how to take space, come together, and mark the important parts of its passing with ritual. Rituals, like, say, graduations, provide a framework through which we can take a step back, notice, and reflect. Graduations in particular give us a space to reaffirm culture and community and reflect on all that has led to this point of transition.

In one sense, Life is “the period between the birth and death of a living thing.” But, what does it mean to be a ‘living thing’? The scientific conception holds that life is a characteristic that distinguishes physical entities having biological processes from those that do not. Seems simple enough, but life tends towards the complex. The boundary between alive and not alive is actually unclear. The criteria for life are, as it turns out, ambiguous.

So Life, as far as the best scientific thinkers can tell, is defined by its proxies: growth, movement, reproduction, the capacity for change. Each signals life but all must be present in concert because none is enough alone. In a sense, then, life is undefinable. It is the uncatchable electron in the cloud. It presupposes any other meaning we layer upon it.

If Life is undefinable, it is also shared. This idea is so big and simple that it perhaps seems trite or not meaningful, but if we let ourselves really take in what it means to be defined by an un-definable characteristic that we share with practically everything and everyone else, that is the most overwhelmingly powerful idea I can imagine.

Earlier, I said that rituals are about noticing. Noticing life is not hard, but it does take practice. So, I’d like to invite you all to augment this ritual with a bit more noticing than you perhaps bargained for. I want to ask that you take 10 seconds to remember how alive you are. To feel the breath and blood in your body, the air of the world passing into your cells, the weight of your self. The undefinable.

Ready? Eyes closed or no, it’s your call. Here we go.

Thank you. Now I’d like to ask that you notice the life in each other. The shared. Look all the way down your aisle. Give yourself permission to look at everyone behind and in front of you. Be in each other’s presence for a moment.

I’d like to close with a few more thoughts on life, and a hope.

The arcs of our lives only intersect at F&ES for a short while. As we disperse, we will move into different fields and occupy different cultural corners of the world. Some of us will hike for miles to set up camera traps or survey plots, creating new knowledge. Others will work to radically alter corporate supply chains, revalorizing business practice. And we will do everything in between. Whatever our work, if we are supporting, preserving, furthering, studying LIFE, then our very field is the undefinable and the shared.

How marvelous.

There are days when the great teeming mystery of the alive will elude us. Maybe on most days. If we do the work we’ve got cut out for us right and well, it will be hugely challenging. Nothing we make or do will come out perfectly. There are few right choices from here on out. There are just choices. But, if we continue to choose to further life, then that will always be the right choice, though not always the easiest. To my mind, a commitment to LIFE is the most noble, invigorating, and humbling commitment we can make.

Our vitality is shared. My life is enriched by yours. However our paths may weave, my hope for us all is that, in our work as in our rituals, we celebrate the great flourishing bounty of life.

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

Good afternoon! My name is Heather West and gosh it is good to see so many smiling faces. Thank you to the staff, faculty, and families that are here supporting us today. I returned to F&ES this year full of hope. My brain was on overdrive thinking about the courses I would take. My legs were itching to get to Yale-Myers to see the forest. And my heart was full thinking about sharing meals with my inspiring classmates.

All of these hopes for the year quickly disintegrated. On September 9, 2014, I was diagnosed with Stage IV colon cancer. To be honest, September was absolute hell. I was going to the hospital multiple times a day for every type of test you can think of as the doctors poked and prodded at my body, searching for clues. In between these visits, I would show up here, to Kroon Hall, relieved to have time to think about anything other than the tumors growing inside of me. I received my first dose of chemotherapy exactly one month after classes began.

Today, I stand before you not to tell my story but to ask you to think about yours. Where have you been? Where are you now? And where are you going? During my fight with cancer, I have had seemingly endless time to ponder these questions. I have conjured memories from growing up in Davis, California, with my family to find strength. I have devoured stories of the successes of my classmates to find resolve. And I have leaned on an immense desire to continue my story in order to keep fighting.

We talk a lot about resilience in this school: climate resilience, forest resilience, coastal resilience, urban resilience, but what about personal resilience? What about the ability to continue your work in the face of extreme obstacle? What about the willingness of the soul to carry on with so many unknowns? And what about the motivation to take one step forward, even when that step is full of uncertainty?

Stubbornly, I stayed in school this year propelling myself towards graduation with the incredible support of so many people in this crowd today. And I thank you. I chose to do this because I believe there is immense power in stumbling forward with your dreams, even in the face of uncertainty.

And guess what? The big, audacious questions we are trying to answer in our work are ripe with uncertainty if we don’t embrace that uncertainty, we are missing an opportunity. Uncertainty forces you to slow down. It makes you listen to yourself. It makes you listen to others. And it makes you realize more than anything that you need to be able to galvanize the people around you to carry forward with your work.

On this sunny morning in New Haven I am struck by three things:
1. There is no snow! Something I never thought possible back in February.
2. We are all here
3. We are all here together.

I see classmates who will shape our climate policy. I see friends whose research will help propel those policies forward. I see scientists. I see advocates. I see lawyers. I see foresters. I see entrepreneurs. I see writers and poets, architects and health experts.

I see a community.

And I am eternally grateful for that community. However, I want our community to be known for something greater than these categories, these professional titles. I want our community to be remembered as a class that embraced the unknowns. I want to be remembered as a cohort whose patience and humbleness surpassed their need 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 biggest environmental challenges facing our world today.

And I want to be there with each and every one of you, every step of the way.

Cancer defines my daily existence, but it will not define my life. It does not change my past, it will not stop me from supporting my classmates’ dreams on a day-to-day basis, and it cannot stop me from imagining a future where I am contributing to the community I see before me today.

And that is all we can really ask of ourselves:
to embrace our past, as the past defines where we are today;
to take today one step at a time, as today builds towards a future;
and to humbly imagine that future, and believe above all else that the future is bright.

Thank you, Class of 2015. Go forth!
Faculty and Staff Awards

One of F&ES’s finest commencement traditions is when the graduating students honor those members of the faculty and staff who have distinguished themselves in the students’ F&ES experiences. These eight individuals were recognized specifically for the quality of their interactions with students.

**Excellence in Course Design and Pedagogy Award**
Awarded to Shimon (Shimi) C. Anisfeld, Senior Lecturer and Research Scientist in Water Resources and Environmental Chemistry

This award recognized a faculty member for whom teaching is a creative and deliberate process, and a deeply important part of their work at F&ES. Whether the class is one hour or four, this professor is a wizard at keeping students engaged, interested, and curious.

**Aldo Leopold Award for Land Ethic**
Awarded to Bradford (Brad) S. Gentry, Associate Dean for Professional Practice, Co-Director of the Yale Center for Business and the Environment (CBEY), and Director of the Research Program on Private Investment and the Environment

This award recognized a faculty member who exemplifies a commitment to protect our land, water, and air resources. This professor has spent a career in industry and academia working to preserve the natural world, and for this deep commitment to the Land Ethic, he was recognized.

**Informal Advising Award**
Awarded to Gordon T. Geballe, Associate Dean for Alumni and External Affairs and Lecturer in Urban Ecology

This award recognized a faculty member whose door is always open and who goes above and beyond in dispensing advice to students on school, life, or whatever else is topical.

**Revolutionary Researcher Award**
Awarded to Nadine Unger, Assistant Professor of Climate Science

The recipient of this award seeks to expand the knowledge base and discourse of their field, advancing science and policy to effect change.

**Stellar Student Support Award**
Awarded to the Career Development Office – Ladd Flock, Director; Kathy Douglas, Associate Director; and Alyssa Student, Assistant Director

This award recognized a staff member or office that made an exceptional impact on students’ ability to realize their academic and professional goals at F&ES.

**Early Responder Award**
Awarded to Israel (Izzy) Cordero, Maintenance Assistant, Facilities Office

This award recognized the staff member who seems to be everywhere, all the time, and available at a moment’s notice to troubleshoot a problem and make sure everything goes off smoothly.

**William R. Burch Prize**
During Commencement, Gina LaCerva ‘15 M.E.Sc. was awarded the inaugural William R. Burch Prize. The prize, which is named in honor of the founder of the School’s Tropical Resources Institute (TRI), honors the best paper written by a TRI Fellow. She was awarded the prize for her outstanding research, published in *Tropical Resources*, focused on a bushmeat commodity chain analysis in the Democratic Republic of Congo.

*Liza Comita, Assistant Professor of Tropical Forest Ecology, and William R. Burch Prize recipient Gina LaCerva ‘15 M.E.Sc.*
Faculty and Staff Award Recipients (clockwise from upper left): Professor Shimi Anisfeld; Professor Brad Gentry; Ladd Flock and Alyssa Student; and Izzy Cordero

STRACHAN DONNELLEY AWARD
Timothy Brown ’15 M.E.Sc. was presented with the Strachan Donnelley Award, which is awarded to the master’s degree student who, through a combination of coursework, research, and leadership, best achieves Strachan Donnelley’s (’64 B.A.) ideal to blend the humanities with ecology and evolutionary biology, in order to develop relationships between humans and nature that promote long-term health, social justice, and sustainability. He was awarded the prize for his research on the relationship between cultural identity and climate-change skepticism that draws from the natural sciences, social sciences, film, and journalism.

Professor Michael Dove and Strachan Donnelley Award recipient Timothy Brown ’15 M.E.Sc.
F&ES 2015 COMMENCEMENT

Hyacinthe Nare accepting his diploma from Dean Peter Crane as Joanne DeBernardo, Assistant Dean of Student Services, looks on.

MASTER OF ENVIRONMENTAL MANAGEMENT
Alexandra Canepa Alhadeff
Fahad S. Alidi
Abraham Hart Allison
Avana Aimee Andrade
Melissa Micaela Arias
Kwokwo Barume
Ross Zimmer Bernet
Hasita Bhammar
Gina Renee Blankenship
Whitney Jane Boone
Véronique Bourg-Meyer
Megan Osterhout Brakeley
Colin Redmond Brown
Minna Berry Brown
Joseph B. Calamia
Michelle Elizabeth Camp
Yaping Cheng
Pooja Chopra
Jenaleah Rose Clarke
Kenneth Joseph Cloft
Kelly Ann Coplin
Sangay Dorji
Kristin Catherine Dreiling
Donald Mario D’Souza
Stephen Joshua Fain
Shane Michael Feyers
Yesenia Gallardo
Snigdha Garg
Geeta
Rebecca Brinton Gilbert
Emily S. Grady
Zena N. Grenci
Sarah Dunning Guy
Christopher MacKay Halfnight
Alec Gator Halperrn
Katherine Juri Heller
Angel Hertslet
Zoraya Hightower
Peter Crandall Hirsch
David Jacek
Corey Stephen Johnson
Danielle Renee Lehle
Celine Jialing Lim
Yun-Mei Mariana Lo
Jorge Enrique Lopez Orendain
Sophia Zhimei Luo
Daniel Anthony Macri
Samuel James Miller-McDonald
Benjamin Lloyd Morelli
Donald William Mosteller
Grant Thomas Mulligan
Hyacinthe Nare
Eric Ventura Orozco
Suzanne Ozment
Jie Pan
Jong Tae Park
Maha Sartaj Qasim
Yiyuan Qin
Kalani Kosha Rosell
Carlin Rosengarten
Clara Welch Rowe
Sandhya Sameera Savarala
Cari Shiffman
Jessie Hoyt Shoemaker
Kristina Alexis Solheim
Pamela Soto
James Richard Stephenson II
Sarah H. Sugar
Frances McCadam Les Thomas
Lindsay Toland
Katherine Artemis Tsantiris
Marley Christine Urdanick
Eric Vermeiren
Jessica Anne Webb
Amy Jordan Weinfurter
Alexis Weintraub
Carley R. Wigod
Sarah Kathleen Free Wilder
Aaron Sherman Willis
Verner Stor Wilson III
Emily Ann Wright
Sophie Lowe Young
Robert F Youngs
Miranti Triana Zulkifi
At Commencement, each graduate was given a pin of the F&ES shield following receipt of their diploma. The pinning ceremony, shown in the photo on the left, welcomed new graduates as members of the F&ES Alumni Association and our global network of alumni. F&ES Alumni Association Board Vice President Nicole Chevalier ’99 M.E.S. presided over the pinning ceremony.

“I’ve enjoyed coming back to campus for the pinning ceremony of the new F&ES graduates. It is amazing to hear their accomplishments individually and as a class and to celebrate their special day with them. It’s a privilege to welcome them into the Alumni community knowing they will impact this world in inspiring ways.”

—Nicole Chevalier ’99 M.E.S.
DOCTORS OF PHILOSOPHY

Agha Ali Akram
The Economics of Water Resources: Essays on Drinking Water Quality and Irrigation Water Use
Advisor: Professor Robert Mendelsohn

Noel Aloysius
Impacts of Climate Change on Water Resources in Tropical River Basins: The Case of the Congo
Advisor: Professor James Saiers

Peter Christensen
Essays on Urban Growth and Public Goods in the Setting of Rapid Urbanization
Advisor: Professor Karen Seto

C. Anne Claus
Drawing Near: Conservation by Proximity in Okinawa’s Coral Reefs
Advisors: Professor Michael R. Dove and Professor William Kelly
Combined Anthropology and F&ES Ph.D. degree

Jennifer Gaddis
Fit to Feed: Labor, Ecology, and the Remaking of the National School Lunch Program
Advisor: Professor Karen Hébert

Dana J. Graef
Isles of Green: Environmentalism and Agrarian Change in Costa Rica and Cuba
Advisors: Professor Michael R. Dove and Professor Enrique Mayer
Combined Anthropology and F&ES Ph.D. degree

Troy Derek Hill
Sediment and Vegetation Dynamics in Coastal Wetlands of Connecticut and New York, USA
Advisors: Professor Gaboury Benoit and Professor Shimon Anisfeld

Elaine Rosamond Hooper
The Effect of Forest Fragmentation on the Biodiversity, Phylogenetic Diversity, and Phylogenetic Community Structure of Seedling Regeneration in the Central Amazon: Area Effects and Temporal Dynamics
Advisor: Professor Mark Ashton

David Kneas
Substance and Sedimentation: A Historical Ethnography of Landscape in the Ecuadorian Andes
Advisors: Professor Michael R. Dove and Professor K. Sivaramakrishnan
Combined F&ES and Anthropology Ph.D. degree

Kathryn Richards-Hrdlicka
A Genomic Approach to Finding and Understanding How the Amphibian Chytrid Fungus is Genetically Structured in Northeastern America
Advisor: Professor Jeffrey Powell

Jennifer Rose Bunnell Miller
Examining Predation Risk as a Guide for Mitigating Large Carnivore Attacks on Livestock
Advisor: Professor Oswald Schmitz

Nedal T. Nassar
Global Stocks and Flows, Losses and Recoveries of Platinum Group Elements
Advisor: Professor Thomas E. Graedel

Sarah Rae Osterhoudt
The Forest in the Field: The Cultural Dimensions of Agroforestry Landscapes in Madagascar
Advisors: Professor Michael R. Dove, Professor Charles Peters, and Professor K. Sivaramakrishnan
Combined F&ES, New York Botanical Garden, and Anthropology Ph.D. degree

BinBin J. Pearce
Phosphorus Cycles in Urban Systems and Implications for Sustainable Urban Resource Management
Advisor: Professor Marian Chertow

Stefan Renckens
Regulating Transnational Private Governance: Domestic Interests, Market Fragmentation, and Institutional Fit in the European Union
Advisor: Professor Benjamin Cashore

Alark Saxena
Evaluating the Resilience of Rural Livelihoods to Change in a Complex Social-Ecological System: A Case of Village Panchayat in Central India
Advisors: Professor Robert Bailis and Professor Chad Oliver

Lei Zhao
Natural and Anthropogenic Contributions to Urban Heat Islands
Advisor: Professor Xuhui Lee
CONGRATULATIONS TO THE CLASS OF 2015!
Welcome to our Newest F&ES Alums!
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, 2014, and June 30, 2015. We also wish to recognize the corporations, foundations, and organizations that have provided their generous support to the School.

F&ES ANNUAL FUND GIVING SOCIETIES

* Othniel C. Marsh Associates
  $5,000 donation and above in fiscal year 2014-2015.

* Sand County Society
  $1,000–$4,999 ($500–$4,999 for last ten graduating classes) in fiscal year 2014-2015.

Great Mountain Society
Beginning with the Class of 2013, the Great Mountain Society was established to recognize the importance of consistent donors. Alumni who made a contribution to their graduating Class Gift in support of the Annual Fund will become a member of the Great Mountain Society (GMS) by making an Annual Fund gift the following year, and will remain in GMS if they continue a perfect record of annual giving. GMS members will be recognized at their five-year Reunion.

1951
Peter Arnold
Lester E. Bradford
John L. Christie
Robert O. Curtis
Robert W. Eisenmenger
Gerald D. FitzGerald
Donald S. Page
Lewis C. Peters

1952
Robert S. Bond
Eugene M. Carpenter
John R. Skeele
Hermann C. Sommer
William I. Stein

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

1954
James H. Brown
Robert R. Guillard
Gordon Hall III
Donald J. Miller
Jack R. Mulholland
Roy D. Whitney
Robert L. Youngs

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

1956
David E. Baker
Douglas M. Crutchfield
Patrick J. B. Duffy
Kirk P. Rodgers
Jack A. Rose

1957
Gertrude E. Huntington
George W. Wendel

1958
Rolf W. Benseler
Evar L. Knudston
Ernest A. Kurmes
William G. Rogers II
George R. Stephens II
John P. Vimmerstedt
Gordon F. Weetman

1959
Robert E. Adams
Richard H. Arps
Hans T. Bergey
Donald S. Girton

1960
Stanley R. Brown
Thomas J. Byrne

1961
William W. Alcorn
Paul M. Haack
Normand Methot
Lee N. Miller
Javier Moro
James A. Rollins
R. Scott Wallinger
Malcolm John Zvolinski

1962
Roger P. Belanger
Soonthorn Bhothigun
Gordon M. Heisler
C. H. Anthony Little
Charles N. Lowrie III
Lawrence O. Safford
Roland K. Tiedemann
Robert C. Van Aken
Carel L.H. Van
Vredenburgh
John C. Zasada

1963
Henry F. Barbour
Julian R. Beckwith III
Philip O. Frazer
Joseph W. Garrell
Van Bohumil Linhart
R. Douglas S. Macdonald
Robert N. Mowbray
Leo Sayn-Wittgenstein
William Hulse Smith
Joseph R. Wobble

1964
Allan Richard Applegate
Frank G. Bock Jr.
Read Charlton
Gerald R. Conley
Stephen J. Hanover
Douglas A. MacKinnon
Kenneth J. Mitchell
Bradford W. Monahan
H. Philip Sasnett

DONOR SPOTLIGHT:
Penni Sharp ’79 M.F.S.

Penni Sharp, an alumna of the F&ES mid-career degree program who died in December 2014 (obituary in Spring 2015 CANOPY), was well known throughout New England for her integrity as a consulting biologist, her plant identification skills, her prize-winning honey, and her quiet service to numerous organizations. F&ES was fortunate to be one of them. As a Class Agent for the F&ES Annual Fund for more than two decades, Penni wrote personal notes to her classmates encouraging them to join her in donating to the Fund, thanked them for their gifts, and, along with her husband, Greg Sharp ’69 M.F.S., contributed each year at the Sand County Society leadership giving level. Through her work as a volunteer at several nonprofits, Penni understood the value of unrestricted annual giving, which allows leaders the flexibility to respond to new opportunities as they arise. When word came this summer that Penni had remembered F&ES in her will, with an unrestricted bequest to the Annual Fund, it was yet one more thoughtful demonstration of Penni’s belief in the School and its mission.

“Penni loved her time at F&ES and the community of alumni that surrounded her in her professional life. The education and support she received at the school, especially the mentoring she received from the late Tom Siccama during her student days and after, changed the trajectory of her life. The F&ES education gave her the tools to pursue her passion for the natural world in both her professional and personal life. She wanted to be sure that the School would remain strong and be able to provide the same excellent education to current students that she both enjoyed. In addition to giving to strengthen the School’s educational program, we both believed in providing support to allow the school to continue to make financial assistance available to promising students. In my case, in particular, scholarship support was essential to pursuing my M.F.S. degree.”—Greg Sharp ’69 M.F.S.
Earhart said. "My gift to TRI on its 30th anniversary was a chance for me to protect them through environmentally sustainable investments," developed a strong interest in tropical forests and a life-long desire. After living and working for many years in South America, I’ve many years in Latin America, TRI was a natural opportunity for John to Global Environment Fund (GEF) in 1990, and today, overseeing GEF’s natural resource management as John did himself, co-founding the summer fellowships, many of whom went on to pursue careers in Since 1984, more than 600 F&ES students have benefitted from TRI This level of support was no surprise given TRI’s long history at F&ES. But also a chance to inspire others to support TRI through a match-opportunity to add to the endowment he generously started in 1989, student research projects in the tropics. For John, it was not only an right to make a second major gift to TRI’s endowment, which supports... 1986 Kenneth J. Andrusko Jr. Peter P Blanchard III Sarah L. Brichford Eric E. Carlsson Mark R. Dillenbeck Thomas R. Duffus Elliott L. Gimble Daniel M. Hellerstein Nan L. Jenks-Jay Aseem M. Khan Bruce H. Leighty Brenda R. Lind Betsy Ann McClean Robert M. Moore Caroline Norden Robert E. Unsworth 1987 Karl A. Beard Christie Anna Coon Julie Dunlap Elizabeth Hyde Moore Annette S. Naegel Arvid R. Nelson Michael A. O’Connell Melissa Paly John Patrick Phelan James H. Pissot Christopher E. Pratt Kathleen M. Rorison DONOR SPOTLIGHT: John Earhart ’85 M.F. When the Tropical Resource Institute (TRI) celebrated its 30th anniversary last year, alumnus John Earhart decided the time was right to make a second major gift to TRI’s endowment, which supports student research projects in the tropics. For John, it was not only an opportunity to add to the endowment he generously started in 1989, but also a chance to inspire others to support TRI through a matching challenge. F&ES alumni and friends responded by raising more than $250,000 for TRI and tropical forestry scholarships and research. This level of support was no surprise given TRI’s long history at F&ES. Since 1984, more than 600 F&ES students have benefitted from TRI summer fellowships, many of whom went on to pursue careers in natural resource management as John did himself, co-founding the Global Environment Fund (GEF) in 1990, and today, overseeing GEF’s forestry investment activities. As a trained forester who has lived for many years in Latin America, TRI was a natural opportunity for John to make a difference in the lives of F&ES students, and in tropical forests and landscapes. "After living and working for many years in South America, I’ve developed a strong interest in tropical forests and a life-long desire to protect them through environmentally sustainable investments," Earhart said. "My gift to TRI on its 30th anniversary was a chance for me to support F&ES’s mission to help train the next generation of tropical foresters and researchers who will continue to steward these precious natural resources in the future."—John Earhart ’85 M.F.
YALE SCHOOL OF FORESTRY & ENVIRONMENTAL STUDIES

HONOR ROLL

Nicole Smith Chevalier
Bryan C. de Ponce
Andrea Cristofani Geurts
M. Anders Halverson
Rachel C. Hampton
Jennifer R. Heinz
Andre Thierstein Heinz
Maria H. Ivanova
Robert Jason Klee
Heidi Elizabeth Kretser
Allyson Brownlee Muth
Norris Zachary Muth
Brian P. O’Malley
William C. Price
Jennifer M. Garrison Ross
Eli Samuel Tagor
Suganthi Simon
Laurel J. Stegina
Charles H. Thompson
Laura L. Williams

2000
Joyce K. Berry
Valerie Clare Bodet
Sylvia M. Busby
Maureen O. Cunningham
Bryan Thomas Garcia
Caroline Garrity Kuebler
Katherin Marie McArthur
Ashley Prout McAvey
Heather Joy McGaray
Sarah J. Morath
Anne Todd Osborn
Jason Richard Patrick
Carlos V. Pineda
Steve Rhec
Dylan T. Simonds
Gregory Frazier Socha
Dylan T. Simonds
Steve Rhee

2001
Kristal Racasa Aliyas
Donna Duckwa An
Elizabeth S. Baker
Michael Anthony Benjamin
Eric G.N. Biber
Andrea Brewer-Anderson
Kristen V. Clothier
John Edward Daly
David S. Ellum
Mary Elizabeth Ford
Herrick Sanford Fox
Uromi Manage Goodale
Peter John Hill
Marjorie Huang
Stephanie Hanna Jones
Christian F. Kemos
Pia Marik Kohlie
David W. Newcomer V
Colin Casey O’Brien
Valerie F. O’Donnell
Michel Woodard Ohly
Ramsay Michel Ravenel
Abigail Bagasao Sarmac
Georgia Silvera Seamsman
Sasha Silver
Anna Birgitta Viggh
Ray Ken Wan
Bruce Eugene Westerman

2002
Kimberly M. Awbrey
Christian H. Binggeli
Yenjen Felicia Chan
Kimberly Day Danley
Peter Jon Deschenes
Matthew W.R. Eddy
Denk R. Frederiksen
John Francis Homan IV
John Bradley Hunter
Elizabeth Robertson Levy
Jennifer Morgan Linn
John Pullman Longstreth
Martin L. Mador
Alfred Joseph May Jr.
Laura Phyllis Meadors
Douglas C. Morton
Christopher David Nelson
Colleen M. Ryan
Jill Ferguson Trynosky

2003
Nicole M. Ardoin
Weslyne S. Ashton
Charles Andrew Brunton
Nathaniel Webster Carroll
Ian Lindsey Cheney
Daniela F. Cusack
Melanie Ann Cutler
Maria Ana de Rijk
Stephen Paul Dettman
Jason John Drebitko
Brian S. Goldberg
Oliver J. Grantham
Alexander N. Gritsinin
Benjamin David Hodgdon
Peter Christopher Land
Kelly E. Levin
Curtis H. Robinhold
Megan Elizabeth Roessing
Samantha Gayle Rothman
Glen Eric Van Zandt
Andrew Scott Winston

2004
Jennifer Vogel Bass
Beth Bisson
Keith Roland Bisson
Elizabeth Bradford Borden
Laura A. Bozzi
Suzette Anne Cart
Hahn-Ning Chou
Heather Kaplan Coleman
Jonathan Asa Cook
Sarah Elizabeth Davidson
Manmita Dutta
Juan Carlos Espinosa
Ona S. Ferguson
Margarita Fernandez
Kristen Holopainen Kimball
Cynthia Anne Kushner
Erik Foster Largay
Elizabeth E. Larry
Amanda M. Mahaffey
Christopher Seth Mahendra
Jennifer Lynne Molnar
Timothy H. Northrop
Christopher Cabell Riely
Nalin Sahni
Neha A. Sami
Daniela Viczaino
Halsted S. Welles
Jeremy James West
Ethan Hamill Winter
Laura Elizabeth Wooley
Heather Eileen Wright
Elizabeth S. Wyman

2005
Anonymous
Lisa Elaine DeBock
Curt T. DellaValle
Seth Simrall Dunn
Brett Jacob Galimidi
Brett Dana Golden
Jocelyn Eileen Hittle
Aaron M. Hohl
Andrea Eleanor Johnson
Amy Kimball
Virginia Rheutan Lacy
Sandra L. Lauterbach
Emily Chapin Levin
Sarah Kay Matheson
Theodora E. A. Lopez Quiros
Alvaro Redondo Brenes
Jennifer Jane Ronk
Amy Stevens Saar
Elena Martina Transter
John Douglas Tuxill

2006
Jessica Miriam Albietz
Graeme S. Auld
Ying Flora Chi
Reilly Renshaw Dibner
Constantine A. Drakonakis
Susan Jean Ely
Ross Paul Geredien
Jose Gonzalo Griebenow
Jesse Muir Grossman
Daniel H. Jones
Melanie P.J. Loftus
Jennifer Lynne Klee
Rachel Susan Wilson

2007
Anonymous
Anamaris Arístizábal
Heather C. Arrowood
Terry Tyrone Baker
Gordon Clement Clark
Brandi Adèle Colander
Amanda Moss Cowan
Emily Dawn Enderle
Beth J. Feingold
Cassie Leigh Flynn
Todd Michael Gartner
Daniel W. Geballe
Linda Chhay Geballe
David Richmond Griffith
James Arthur Howland
Charlotte Jerome Kaisar
Tracy Monique Magellan
Tamara Muruetagoina
Kathryn Joanne Neville
Kevin Patrick Ogorzalek
Suzanne Elise Oversve
Sarah Beth Percy
Laura Beth Robertson
Sara E. Smiley Smith
Jim Long Wang
Tenley E. Wurglitz

2008
Georgia Basso
Joshua A. Berman
Jessica Erin Boehland
Rayna Hake Caldwell
Jaime D. Carlson
Heather Amira Colman-McGill
Caitlin Carey Cusack
Michael Allan Davies
Obidimma C. Ezezika
Jorge Rafael Figueroa
Nigel Thomas Gurnett
Troy Derek Hill
Scott Robert Laeser
Naoko Maruyama
Jennifer Ann McIvor
Kyle Kitson Meister
Sara Bushby Ohrel
Caroline Elisabeth Raisler
Michael John Robertson
Angela Colleen Rutherford
Jason Adam Weiner
Xiaohong Zhou

2009
Meghna Agarwal
Gabriela Alonso Mendieta
Neda Arabshahi
Alyssa Lee Arcaya
Ariana Cummings Bain
Murefu Boniface Barasa
Robert Mason Smith
Deborah Chaplin Spalding
Kristen E. Welsh
Yeqing Zheng
HONOR ROLL

Benjamin L. Morelli
Elizabeth H. Morrell
Donald W. Mosteller
Grant T. Mulligan
Jamie K. O’Connell
Suzanne Ozment
Selena T. Pang
Jong Tae Park
Rachel J. Plawекki
Jose Pons
Michael Puckett
Maha S. Qasim
Yiyuan Qin
Clara W. Rowe
Margaret E. Sackrider
Logan E. Sander
Frances Elizabeth Sawyer
Cari L. Shiffman
Jessie H. Shoemaker
Jeffrey R. Smith
Jaeun Sohng
Kristina A. Solheim
James R. Stephenson III
Sarah H. Sugar
Frances M. L. Thomas
Lindsay Toland
Katherine A. Tsantarisis
William C. Tucker
Eric E. Vermeiren
Jessica A. Webb
Amy J. Weinfurter
Luke M. Weiss
Heather C. West
Carley R. Wigod
Sarah K. F. Wilder
Aaron S. Willis
Verner S. Wilson III
Ryan R. Withall
Emily A. Wright
Ru-Shyan Yen
Sophie L. Young
Robert F. Youngs
Sheena S. Zhang
Emily R. Zink

CURRENT STUDENTS
Sarah O. Bolthunris
Rebecca E. Gallagher
Rebecca B. Gilbert
Susannah M. Harris
Philip B. Kunhardt IV
Philip B. Picotte
Thomas V. Selby
Sarah Tolbert
Andrew J. Wu

FRIENDS
Anonymous (6)
Robert W. Ackerman
Leland J. Adams, Jr.
George R. Allen
Richard Amerling
Edward C. Armbrrecht, Jr.
Christina Aston

Theodore I. Bahn
Peter M. Baldwin
Elizabeth Barratt-Brown
Thomas A. Barron
Edmund Bartlett III
Cynthia Bassett
Elizabeth G. Beinecke*
James Berbee
Forrest C. Berkley
Ann M. Bitetti
Sydney Blankers
John R. H. Blum
Jabe Blumenthal
Mark Boardman
Coleman P. Burke
Ray Burnham
Jonathan J. Bush
Daniel J. Callahan
William Cannon
Lisa Cason
Martin Cawley
Helene Chabot
Larry G. Chang
Yue Chen
Joseph L. Cisna
Peter B. Cooper
Leslie N. Covullion
Edgar M. Cullman, Jr.
Georgia Davie Cullman
John L. Davis
Joanne DeBernardo
Mary Anne Dingus
Thomas E. Donnelley II
Vivian Donnelley
Larry Doores
Elisabeth C. Dudley
Susan Dworkin
Daniel C. Edelson
Christopher J. Eliiman
Dan Emmett
Thomas K. Emmons
Frederick V. Ernst
Ralph Faust
Howell L. Ferguson
Tim Ferguson
Robert Fisher
Dan Fleet
Kristin Lomell Floyd
Allyn C. Ford
Joseph Frantz
Pat Furgurson
Gordon T. Geballe
Murray Gell-Mann
Bradford S. Gentry
Zena N. Green
Christopher M. Halfnight
Azita Gnaid Hamedani
M. Ed. Hartley
Seth Heald
Frank O.A. Heintz
Mary L. Heist
Marquita Hill
Adelaide Hixon
Dylan H. Hixon

John D. Hoffmann
Sherry Huber
Jacqueline Collins Hullar
John P. Hullar
C. Powell Hutton
Redmond S. Ingalls
Betty A. Jones
David A. Jones Sr.
Susannah C. Jones
M. Albin Jubitz, Jr.
Betty Kahn
Stephen D. Kahn
Christopher Kaneb
Richard L. Kauffman
Lawrence H. King
Janice Kirby
Michael Kirby
Carl W. Knobloch, Jr.
William C. Kunkler III
Ayako O. Kurihara
Lisa Lagunoff
Daphne Lambright
Joanne V. Landau
Joyce E. Laudise
Richard H. Lawrence, Jr.
James Leitner
Lawrence H. Linden
David S. Litman
Silas Little III
Henry Lord

David Paul Loseff
Thomas E. Lovejoy
John McCall MacBain
Betty MacMillan
Whitney MacMillan
James Martin-Schramm
Margaret K. McCarthy
Deborah McCauley
Duncan M. McFarland
Subhash Mehta
Josephine A. Merck
Benjamin Messer
Arthur N. Miliken
Jesse Moore
Garrett M. Atan
Mary P. Moran
Christopher Moroney
Wendell A. Mottley
Albert P. Neilson
Caroline P. Niemczyk
Hilary A. Noonan
Marne Obernauer, Jr.
John Omohundro
Gilman Ordway
Stanton C. Otis, Jr.
Alfred Padula
Frederick W. Pape, Jr.
David Peart
Vicente S. Perez
Dan L. Perlman

DONOR SPOTLIGHT: Fred Ernst ’60 B.A.

Arriving at his first F&ES Leadership Council meeting this April, Fred Ernst and his wife Ellie weren’t sure what to expect. After several years of supporting a scholarship for students in the joint-degree program between F&ES and the School of Management, Fred and Ellie were scheduled to sit down with the students they’d supported in the 2014-15 year and hear about their backgrounds and aspirations for the future. Then, they’d join their fellow Leadership Council members for a two-day meeting about Industrial Ecology and the work being done by F&ES alumni around the world. Joint-degree students Rachel Fried ’16 M.E.M./M.B.A., Lizzie Marsters ’16 M.F./M.B.A., and Stephanie Johns ’16 M.E.Sc./M.B.A.warmly thanked Fred and Ellie for making their studies possible and described their classes, upcoming summer internships, and future career plans. The following day, Fred heard a report on the F&ES scholarship initiative, a fundraising effort being led by the Leadership Council to boost the amount of scholarships available to current students by $10 million. As a brand-new member, Fred had not been approached for a commitment to the initiative, but as he sat in the meeting and reflected on his time with Rachel, Lizzie, and Stephanie, he was inspired to make a new, 10-year commitment to his scholarship fund that would boost the initiative closer to that $10 million finish line.

“Ellie and I were immensely impressed by our involvement with the F&ES Leadership Council, the focus on Industrial Ecology, and the strong sense of entrepreneurial spirit. In my view it is just the right direction. Meeting the three scholars just reinforced that sense of energy and excellence; we were both exhilarated by the experience of meeting these young people.”—Fred Ernst ’60 B.A.
Sarah Pope
Gabriel Quadri
Kenneth M. Raisler
Edward R. Ranney
Diana Mendley Rauner
William K. Reilly
Laurie Richmond
Rosemary L. Ripley
Jonathan F.P. Rose
Andrew E. Sabin
Christopher Glenn Sawyer
David T. Schiff
Robert J. Schloss
Jason Schumacher
Norman C. Selby
Martin L. Senzel
Roger Shamel
Henrietta Simeone*
Rob Smit
Nicholas D. Snow
Eric Snyder
David A. Sobotka
Karen Sobotka
Robert J. Stokes, Jr.
Edward L. Strohbehn Jr.
Leigh Talmage-Perez
Stephen C. Thomson
Tom Tietenberg
Marley Urdanick
Melissa G. Vail
Chandar van der Zande
Kenneth P. Vickery
Sukey Wagner
Karen Walsh
Gene Watson
William D. Waxter III*
James Welch
Marianne Welch
Howard P. Welt
Jesse Benjamin Williams
Denis G. Willmore
Mason Willrich
Aimee B. Wolfson
Bill Yeates

**CORPORATIONS, FOUNDATIONS, AND ORGANIZATIONS**

A-1 Specialized Services & Supplies
Alcoa Foundation
Andrew Sabin Family Foundation
Arcadia
ARUP Services New York Limited
AT&T
BP
B Shivery Trust
Barbri Inc.
Bole & Klingenstein

Bole & Klingenstein
British Ecological Society
Brown and Wilmans Environmental
Cedar Elm Fund of Dallas Center for International Forestry Research
Christian A. Johnson Endeavor Foundation
Climate and Land Use Alliance
Cody Country Outfitters & Guides Association
The Community Foundation for Greater New Haven Connecticut Association of Wetland Scientists Connecticut Green Bank The Curtis & Edith Munson Foundation
DEKRA Automotive North America
The Duncan Fund
Edna Bailey Sussman Foundation
Edwin W. and Catherine M. Davis Foundation
The Elizabeth Raymond Ambler Trust
Ellen MacArthur Foundation
The Elmina B. Sewall Foundation
The Emily Hall Tremaine Foundation
Energy Foundation
Environment & Human Health Inc.
Environmental Defense Fund
European Recycling Platform
Excess Return Fund of the Maine Community Foundation
Fibria Celulose
Finnish Forest Industries Federation
The Frederick & Margaret L. Weyerhaeuser Foundation
General Electric Foundation
George B. Storer Foundation
Germeshausen Foundation Inc.

Gordon and Betty Moore Foundation
The Grantham Foundation for the Protection of the Environment
The Guiford Fund
Harold M. & Adeline S. Morrison Family Foundation
IDH International Bank for Reconstruction and Development
The International Institute for Environment & Development
International Paper
IUCN
The John D. & Catherine T. MacArthur Foundation
JPMorgan Chase & Co.
The Kimberly-Clark Foundation Inc.
Klabin Knobloch Family Foundation
Land Trust Alliance
Lenox D. Baker Jr. & Frances W. Baker Foundation
Lexis-Nexis
Linden Trust for Conservation
Lutheran World Relief
Materion Corporation
McCall MacBain Foundation
MeadWestvaco
Mondi Services UK Limited
Natural Resources Defense Council
The Nature Conservancy
New Hampshire Charitable Foundation
Anna E. Schoen-Rene Fund of the New York Community Trust
The Nickel Institute
The Norcross Wildlife Foundation
Oak Foundation USA
Office Depot Inc.
Overhills Foundation
Overlook International Foundation Inc.
Pratt & Whitney
R2o USA

Raw Materials Group
Richard Lounsbery Foundation
Rexel
Rockefeller Brothers Fund
Rockefeller Family Fund
The Samuel Family Foundation
The Schmidt Family Foundation 11th Hour Project
Searle Family Trust
Shell Royal Dutch
Silicon Valley Community Foundation
Southwestern Energy
Sunderland Fund of the New Hampshire Charitable Foundation
Skoll Global Threats Fund
The Stanley Foundation
Staples
Summer Fund II
Tetra Tech
Themis Bar Review
United Nations Foundation
United Nations Institute for Training and Research
United Technologies Corporation
V Kann Rasmussen Foundation
Vervane Foundation
The Walt Disney Company
Wildlife Conservation Society
William Penn Foundation
World Business Council
World Resources Institute
World Wildlife Fund for Nature
Wyman Family Fund of the New Hampshire Charitable Foundation
Wyoming Outfitters & Guides Association
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

Thank you for submitting these updates for Class Notes and for sharing your stories of your accomplishments and adventures. F&ES alums are collectively making such an important and impressive impact around the world. We would like to hear from even more of you – send updates to your Class Secretary or alumni.fes@yale.edu.

We recently reached out to alums from the Classes of 1949-1969 and requested that they share stories and reflections about their experiences while they were a student and the influence the School had on their careers and lives after graduation. We have already received a number of stories from alums. Excerpts of stories collected will be included in CANOPY.

Learn more about this project or send in a story: alumni.fes@yale.edu

Arthur Westing '54 M.F., ’59 Ph.D., shared his experiences as part of the new alumni history and stories collection project. Here is an excerpt:

“Having just been awarded a B.A. in Botany from Columbia in 1950, I matriculated in the two-year M.F. degree program, but an interruption (serving in the Marine Corps in Korea as a Forward Observer) delayed my graduation until 1954.

‘At the Yale Forestry School, I felt in my element in Professor Eugene Zumwalt’s summer field program in 1950, and then served as his assistant in the summer of 1952. In Sage Hall, my most influential mentor was Professor Harold Lutz. I continue to be guided by his precepts and admonitions, for example that one should always work with the forest, never against it. The extended fieldwork in Crossett, Ark., with Professor David Smith was another major highlight of our curriculum.

‘After graduation I worked for the U.S. Forest Service for a few years in the Lake States, researching silvicides. I then returned to Yale for a Ph.D. in tree physiology, followed by forestry professorships at Purdue University and the University of Massachusetts. Then came several years of being Dean of Science first at Windham College and then at Hampshire College, along with teaching forest ecology and conservation. During the next eight years I ran a United Nations Environment Programme (UNEP) project on Peace, Security, and Environment. I should add that during the Viet Nam Conflict I made seven or so extensive on-site examinations of herbicidal, bombing, and bulldozing disruption, doing so on behalf of the American Association for the Advancement of Science (AAAS), UNEP, and other organizations. It was recently a distinct honor to have a selection of my past papers republished by Springer as the first in its series on ‘Pioneers in Science and Practice.’

“In 1990 my wife and I returned to Vermont to teach, consult, manage our 40-acre woodlot, and help establish a now 1,800-acre private nature reserve open to the public. I have recently completed a 68-page booklet titled Woodland Secrets for Southeastern Vermont and a Bit Beyond. I would be pleased to share this in PDF format with any of my fellow alumni who request a copy.

“Needless to say, none of my professional activities over the years could have been accomplished successfully without the solid grounding that had been provided by the superb Yale Forestry School faculty.”

1971

Class Secretary
Tom Nygren
Tnygren@juno.com

Rory Harrington writes from Ireland:

“Well, I finally escaped the institutional life, in which I have been since age 5, when I started school. Now I am free to work and do as I wish … I am working now for my daughter’s company, VESI Environmental Ltd., and that, of course, demands compliance. Our small family company of four tackles a wide range of polluted water sources ranging from swine waste to mine drainage, from human sewage to landfill leachate.

Yesterday and the day before I was working north of Dublin at Slane Castle overseeing construction of a self-maintaining swimming pond and an Integrated Constructed Wetland (ICW) for the holiday farm belonging to the Castle. In an ICW, total water management is linked with landscape and biodiversity needs in the construction of natural marsh-type wetlands for polluted water management and treatment. Recently, we finished a wetland complex for a lead and zinc mine that had closed, ensuring that any drainage was taken care of … for the next 10,000 years. Performance to date is twice what was expected, and it’s expected to get better as the vegetation strengthens. The learning, experience, and mentoring that I got at the Yale School of Forestry was immeasurable in establishing this ecosystem-based approach to water management and it’s difficult to see how it might have developed as it has, had it not been thanks to Herb Bormann, Tom Siccama, Peter Jordan, George Furnival, and many more at F&ES. It would be a great pleasure to someday revisit the School - who knows?”
1975  
Class Secretary  
Hallie Metzger  
hallie.metzger@rcn.com  

Evan Griswold writes: “I’m working in the real estate realm helping local land trusts as well as state-wide environmental organizations analyze land protection projects, along with my general real estate practice. Both of our children now live in Maine, in the Portland area, so Emily and I are spending more time visiting with grandchildren, of which we now have four. I am looking forward to seeing as many classmates as possible at our 40th Reunion in New Haven.”

Hallie Metzger writes: “Greetings to all members of the Class of 1975 in our 40th Reunion year. Everyone seems to be settling into retirement of sorts. I say ‘of sorts’ because we’re all busy but just not getting paid (as much?) for it. Although I live in Chicago, I’ve become more active in managing my family’s property in northwest Connecticut. My big project now is restoring a meadow for bobolink, ruffed grouse, and maybe even the New England cottontail.”

1977  
Class Secretary  
James Guldin  
jguldin@prodigy.net  

Keith Aubry writes: “I retired from the federal government at the end of December 2014 after working for 28 years for the U.S. Forest Service’s Pacific Northwest Research Station in Olympia, Wash. However, I am not yet retiring from wildlife research. Like academia, one of the benefits of working for the research branch of the Forest Service is that retiring scientists can stay on as Emeritus Scientists to complete ongoing work and help mentor new scientists. I plan to work part-time in that capacity for the next 2 to 3 years as I complete the analysis and publication of 10 years of satellite telemetry data on wolverines in the Cascade Range of Washington, along with several other unfinished projects, and complete my tenure as an Associate Editor for the Journal of Mammalogy.”

Dr. Denise Mitten continues to work with students in the master’s degree and Ph.D. programs at Prescott College. She is involved in researching the effect of time in nature, or participating in outdoor activities on body image and the impact of a hidden curriculum in adventure education on women. Her daughter Lauren, who graduated from Scripps Women’s College, where she studied environmental action and gender and women studies, is working in Washington, D.C.

Joanne Polyanskiy writes: “I’ve taken on the responsibilities of Class Agent and have enjoyed collaborating with Jim Guldin, Class Secretary, and receiving a few e-mails from our class. Continuing with my retirement traveling, I rafted the Grand Canyon this past April, backpacked the northern-most 40 miles of the Pacific Crest Trail into Canada in July, and kayaked on the east side of Vancouver Island and backpacked the Tonquin Valley in Jasper National Park in the Canadian Rockies in August. All were wonderful adventures. Soon I will be heading to Peru for more. Aware of my carbon footprint from traveling, I am buying unofficial carbon offsets from non-profits. When I am around, my activities include hiking, watercolor painting, doing a Prescott, Ariz., version of gardening (sometimes feeding the deer and javelin, whether I want to or not), and entertaining visitors, who are always welcome!”

1979  
Class Secretaries  
John Carey  
carey@aya.yale.edu  

Chuck Peters (’89 Ph.D.), Curator of Botany at the New York Botanical Garden’s Institute of Economic Botany, reports that he is currently on the shores of Lake Como as a Fellow at The Rockefeller Foundation’s Bellagio Center, where he is writing a book entitled Managing the Wild: Stories of People and Plants in Tropical Forests. “The book looks back at 30 years of fieldwork as part of the science staff at the New York Botanical Garden and details some of my experiences in trying to facilitate the sustainable use of tropical forests by communities around the world,” he writes. “I have had the good fortune to work with tropical forest communities in Asia, Central and South America, and Africa, attempting, more or less, to do the same type of thing with different resources, ethnic groups, and forest types. Taken together, these projects provide a broad overview of contemporary resource use in the tropics. Such an overview, hopefully, will help future researchers come up with more effective and equitable strategies for the long-term conservation of tropical forests, or, at the very least, provide sufficient background information so that my mistakes are not repeated. All of the projects involved delightful people, lots of laughing, a reverence for nature, and fruitful, yet largely unexpected, outcomes. This is what I would most like to share with the reader: thirty years of trial and error.”

Elizabeth (Betsy) Rich writes: “I have retired from St. Joseph’s University in Philadelphia, and I am listening for the next siren song. I am looking forward to downsizing soon, possibly moving to the west Philadelphia area near two of our now three grandchildren (Eleanor was born in July of this year). My regular schedule consists of having one granddaughter for a day each week. Other activities include gardening and working in our local park. A quiet but surprisingly satisfying period of life. I miss teaching but am hoping to take some much delayed trips abroad.”

Please continue to keep us updated regarding your contact and professional information . . .
CLASS NOTES

1980

Class Secretary
Sara Schreiner Kendall
SaraKendall@comcast.net

The Class of 1980 just wrapped up its 35th Reunion with two days at Yale-Myers Forest in addition to Reunion Weekend activities in New Haven – so lots of fodder for updates from members of the class.

Jane Sokolow has joined the F&ES Alumni Association Board and, along with Tom McNally, played a key role in planning and organizing the 35th Reunion. Ellie Lathrop arrived at the Reunion via a marathon solo cross-country trip in a van after retiring from Weyerhaeuser as a land use forester in Wash. As they have many times before, Ellie and Tricia Johnson provided sustenance for the class at Yale-Myers during our time there. Tricia recently retired from teaching about the environment in a New Haven charter school. She now has more time for sailing Long Island Sound with her husband Robert. Curtis Rand took a break from running the Town of Salisbury and teaching forestry at the Salisbury School to provide the libations, though the Fireball was a uniquely McHenry contribution. Susan Rand again generously provided fabulous tee shirts for the Reunion featuring a drawing of the outdoor auditorium at Yale-Myers Forest, our class gift.

Getting the longest distance prize were Laura Snook (’83 D.For.) and Suey Braatz, who both travelled from Rome. Laura is working for Bioversity International and Suey is at the Food and Agriculture Organization of the United Nations when she is not enjoying her villa outside Rome. Keith Stewart graced us with both his presence and delightful vegetables that he grows on his organic farm in Orange County, N.Y., and sells to great acclaim at Union Square Farmers Market in New York City, with the help of Tom Hatley’s son. Tom Hatley continues to work in his own environmental consulting firm in North Carolina.

Reuben Rangel flew in from Santa Fe, N.M., where he continues to work on environmental health issues at Los Alamos National Laboratory. Steve Strauss made it in from Oregon State where he is doing groundbreaking work in tree biotechnology and genetic engineering. Janet Hess threatened to make the Class of 1980 the topic of a Nature documentary, the PBS show where she is the Series Editor. Jim Thorne (’85 Ph.D.), who has retired from teaching but continues to work with conservation organizations, came up from Pa. with his lovely wife, Rosemary. We were delighted to welcome Amy Nurick McCoy (’81) to her first, but hopefully not last, Reunion with her husband, Randy, with whom she runs a pony farm and animal rescue operation in Vermont. Amy generously introduced us to lovely ice wine from Quebec.

Keith Tait (’81) was another Reunion newbie, driving in from the Adirondacks. He recently finished up five years as the Environmental Health and Safety Director at SUNY Plattsburgh after a 21-year career at Pfizer.

Star Childs gamely hobbed around the Yale-Myers camp recovering from recent knee surgery. Star continues to lead the initiation of F&ES students, running MODS out of Great Mountain Forest in Norfolk, Conn. Mike Lavigne (’85 Ph.D.) and his wife, Susan, made the trek down from New Brunswick, Canada. All of us are anxiously awaiting the next chapter of her daughter’s determination to survive on her own wits in the wilderness of the Yukon Territory.

Bob Comer managed to carve out some time from his law practice in Denver, Colo., to claim yet another Golden Palm award. Ken “Uncle O” Olson is retired as President of The Friends of Acadia, but continues to write and soon will be publishing his next book about Acadia National Park.

Sara Schreiner Kendall flew in from Washington, having both retired after 29 years with Weyerhaeuser and married off her firstborn son last spring. Hank Margolis is four weeks into a new position as Program Manager of the Terrestrial Ecology Program at NASA Headquarters in Washington, D.C. Bob Burke drove in from Hanover, N.H., with his wife, Deb H. Burke (’79), where they own and run Vermont Forestry Associates. Ian von Lindern (’73, ’80 Ph.D.) and his wife, Margrit, stopped in at the Reunion on their way to a three-week trip to Italy to celebrate the founder of the occupational health field. Ian and his wife run a foundation focused on lead and other hazardous material remediation in impoverished villages working with Medecins Sans Frontieres (Doctors Without Borders). Carol Zimmerman (’81 Ph.D.) is retired from Battelle Memorial Institute, but continues to consult on transportation issues. Fran Rundlett came in from the foothills of S.C., where she moved after retiring from teaching at Georgia State University. Kathy Parker (’85 Ph.D.) and her husband of 30 years, Max, are looking to resettle in the hill country of Texas from their current home in Santa Fe, N.M. They say this is the last move, but we’ve never known K.P. to stop moving.

Rick Kelley stopped in from Vt. to assure us that they do still log timber there. Christopher LaFarge (’81) and his wife, Vicki Van Steenberg, LaFarge (’79, ’88 Ph.D.) drove in from Mass., where Christopher runs a medical device manufacturing business. Al Sample (’89 D.For.) made it in from Washington, D.C., where he continues to lead the Pinchot Institute for Conservation. Natasha Atkins took the train from Washington, D.C. She is a science writer and editor. Marcia Kallgren Sailor (’81) joined us and is looking forward to retirement, and possibly a wedding, soon.

A number of alums sent regrets and fond wishes: Susan Shen (’81), still at the World Bank, was busy travelling in Kenya; David Kittredge (’86 Ph.D.), still teaching at UMass, was travelling in Australia; and Charlie Nilon, who works at the University of Missouri School of Natural Resources in St. Louis, was unable to make it back. John Echeverria (’81) sent his regrets from his newly acquired farm in the Green Mountains, citing his teaching obligations at Vermont Law School. Kitty Perot could not get away from Vt., where she chairs Vermont Conservation Voters. Patti Kolb Millet is still bicoastal; half her year is spent in the Sierra Nevadas and half in her gift shop in Cape Breton, Nova Scotia. Lisa Speer (’83) works for the Natural Resources Defense Council (NRDC) and missed the Reunion as she was working in Papua New Guinea.

Lastly, there was much cheering as Tom McNally, who teaches and has an environmental law practice in Los Angeles, became yet another honored member of the Class of 1980 along with Star Childs, Ian von Lindern, and the entire Class of 1980, when he received the 2015 Distinguished Service Award for his leadership in support of the School and its students.

Editor’s note: Complete coverage of Reunion Weekend 2015, including articles and photos, will be included in the Spring 2016 Edition of CANOPY.

1981

Class Secretaries
Fred Hadley
fhadley@sit-co.net

Gail Reynolds
gail.kalison.reynolds@aya.yale.edu

Thea Weiss Hayes writes: “Howdy from beautiful Portland, Ore! I’m retired from science teaching in Portland Public Schools and am sub-teaching in five east Portland school districts. I am also spending time with
Mom (Dad passed away at 90 last year) and working on my homestead, living with dog, birds, fish, snake, lizard … did I get them all? Husband Angel is a mechanical engineering technician at Intel, my older daughter, Hanna, moved to Seattle to start a new adventure, and my youngest, Rachel, is a sophomore at the University of Oregon, where she is in the International Studies, Peace & Conflict Mediation program (studying Hebrew and Arabic). My favorite pastime these days is camping on the Clackamas River, reading with my husband, connecting with friends and family on Facebook, yearning for goats and bees, and working with other scientist professionals on various committees in the Oregon Invasive Species Council. Would love to hear from y’all, if you have the notion.

Bruce Kernan writes: “I’m living in Quito, Ecuador half the year and spending spring, summer, and part of the fall in upstate New York, working there in our forest.”

GANT, a clothing store founded in New Haven, has launched an international campaign focused on social entrepreneurship and five Ivy League graduates who are making the world a better place. Mark Plotkin was chosen to represent Yale University. gant.com/brand/fw15-brand-campaign

1982
Class Secretaries
Barbara Hansen
bjhansen@fs.fed.us
Kenneth Osborn
forstman@fidalgo.net

Steve Forrest writes: “I am with Defenders of Wildlife in Denver, Colo., working on grassland species conservation. I have two daughters, one in the film industry in Los Angeles and the other applying for medical school. No retirement plans in the future.”

Barbara Hansen writes: “I’m on the Idaho Panhandle National Forests, doing mostly recreation planning and special uses. Hoping to retire in the not-too-distant future. Our three kids are out in the world (the youngest is still in college), but no grandkids yet!”

1985
Class Secretary
Alex Brash
abrash@ctaudubon.org

Alex Brash writes: “The ’85ers had a sterling showing at our 30th (ouch) Reunion! On Friday night, our Dean, John Gordon, and his stenographer voice hosted the evening along with Tim Northrop (’83), Director of the Office of Development and Alumni Services.

Steve Lowe, Whitney Tilt, Cathy McConnell, Tara Gallagher, Steve Young, and I all had a great time catching up. In addition, Steve Young’s photography exhibition was a focal point of the evening (see page 2). After a too respectable TGIF in Kroon Hall, the group retreated to Bowes for pizza, beer, and some great music. Saturday dawned, and with that the addition of John Nute. Bob Clausi, Lorna Perkins, Mark Ashton (’90 Ph.D.) (who is always there), Sarah Brichford (’86), Chris Donnelly, Ted Elliman, and Dorceta Taylor (’91 Ph.D.), who all joined the event. Notably, Dorceta was honored for her great work.

John Nute also noted that he enjoyed ‘talking with John Gordon, Gordon Geballe, Mark Ashton, Tim Gregoire (’85 Ph.D.), and Al Sample (’89 D.For.), and that it was a beautiful day weather-wise and just really nice to be back at good ol’ F&ES for a while.’ We are already calendaring in October 2020!”

1986
Class Secretary
Robert Unsworth
robert@unsworth.us

Laura Brown and Rob Ramey write: “Life in Colorado and the West is still great, although adjusting to the empty nest is a challenge, what with one sophomore at Colorado State University and one a graduate of Lewis & Clark College. Consulting on endangered species issues keeps us busy and solvent, and lots of outdoor adventure activities (sea kayaking, rafting, climbing, skiing, and scuba diving) keep us happy. We’ll spend several weeks with the desert elephants of Namibia again this year, a population we’ve been studying for 11 years. Our non-profit is called Desert Elephant Conservation. Are we really pushing 60 already? Yikes!”

desertlionandelephant.org

1989
Class Secretary Needed
Betsy Carlson writes: “Starting a new chapter in life as the interim Citizen Science Coordinator for the Port Townsend Marine Science Center in Washington. My workspace, on a pier over the water, is like being on a boat surrounded by the mountains and Puget Sound. It’s beautiful – stop by! Also, I recently enjoyed working closely with the filmmakers of an award winning documentary, Return of the River, about Elwha River dams’ removal and restoration of a native culture. If you have a chance to see it, do!”

Stephen Kelleher will be moving to Accra, Ghana, on October 2nd to serve as Chief of Party for the USAID West Africa Biodiversity and Climate Change program. The five-year program will focus on wildlife trafficking, increasing coastal resilience to climate change, forest and biodiversity loss and degradation, and capacity strengthening of regional, national, and local organizations.

CJ May writes: “I am delighted to return to full-time work in recycling in a way which makes use of my background as an environmental magician. As recycling coordinator for the City of Waterbury, I use magic on a near daily basis as part of outreach in schools, at community meetings, and during local events. I have even used David Blaine-style ‘street magic’ techniques to engage residents while door knocking. Levitating a recyclable bottle gets their attention. I was also honored to be invited to guest host Jeff McBride’s Mystery School Monday, a weekly webcast for magicians. I focused on the use of magic for outreach and education, with a specific focus on ‘Cause Magic’ – magic that is intended to inform audiences as well as change behavior.”

Laura Simon (’90) writes: “I am working on policy issues for the Humane Society of the United States from my Conn. home office, not far from Sage Hall. However, my big news is that my 12-year-old son, Jack Kealey, just received a Young Advocate award from the Town Democratic Committee, as well as an official Proclamation from the Town of Bethany. For his advocacy work at the State Capitol lobbying bills involving animal and environmental protection! Call me a proud mom!”

1991
Class Secretary
Gwen Thomas
gmthomas29@fastmail.fm

Favorite Hike, Bike, and Paddle Trails
Once again the class of 1991 has had some fun back and forth e-mails reconnecting. This time classmates were asked to share their “Favorite Hike, Bike, and Paddle Trails.” The only conditions for submitting a favorite trail were: it could be anywhere in the world and we had to have been on it — it couldn’t be from our wish lists. From remote regions to urban oases, we are a truly adventurous crew who find peace and inspiration in natural areas. Now we just have to figure out how to have rotating reunions in each of these wonderful spots.

PLEASE CONTINUE TO KEEP US UPDATED REGARDING YOUR CONTACT AND PROFESSIONAL INFORMATION . . .
Margo Burnham – Sea kayaking the Maine Island Trail – I’ve only paddled the islands off the coast of Stonington, gorgeous! The coast shoreline hike in the Valdivian Coastal Reserve in Stonington (I’m a tad partial as I had a hand in helping create the reserve years ago). It’s spectacular! The Colorado River through the Grand Canyon. Amazing. Enough said. Perhaps my all-time favorite: Paddling the length of the Canning River in Alaska. It forms the western border of the Arctic National Wildlife Refuge and ends in the Beaufort Sea. If you’re lucky, a pilot will find you and pick you up on a barrier island and fly you out.

Betty and Tim Channon – There are too many to choose from. Some local highlights for me are the Crow Pass Trail and Upper Winner Creek Trail in Girdwood, Alaska. Another favorite is the Lost Lake Trail near Seward, Alaska. Of course there is the Kalalau Trail on the island of Kauai, Hawaii, that we did last year.

Gillian Davies – My family just got back from llama packing in the Wind River range in Wyoming. We hiked up Wind River peak (13,197’), the highest in the southern Winds, and the views were spectacular. Then we hiked into the Cirque de Towers, for spectacular views of the Cirque and the lake beneath them. Our 17-and 20-year-old sons and our 20- and 22-year-old nephews loved the trip, and the llamas allowed our 50-something bods to be in the backcountry for 9 days without having to carry excessive loads. We rented the llamas, which was possible with a short class on how to care for them the night before we left. They are really easy and fun animals to share a trip with. Another all-time favorite would be the trail around the Annapurna range in Nepal, which I did many years ago, but still think about frequently. We started at about 1,500 feet above sea level, and about 10 days later found ourselves crossing the Thorung La high pass at close to 18,800’. The landscape was spectacular: We started in Pokara, and went up one river valley, and then after going over the pass, went down the Kali Gandaki river valley, circling back to Pokara.

Jennifer Greenfeld – I just returned from a family vacation biking the Great Allegheny Passage. We rode our bikes, fully loaded with gear, and camped from Pittsburgh to Cumberland, Md. (With a stop in Ohiopyle, Pa., for white water rafting and a motel stay, I must admit.) It was a great trip. I’m so proud of my 16- and 12-year-olds for biking the 153 miles and my husband Josh for planning the trip.

Jill and Chip Isenhart – Ok, we’re going exotic! Chip and I recently returned from a month of consulting for the Tanzania National Park Service and we worked in Arusha National Park. They have an incredibly beautiful climb up Mt. Meru, a 3 day hike through diverse ecosystems and overnight at simple huts. The last night, you leave about 12:30 a.m. and climb the summit for gorgeous sunrise views of Mt Kilimanjaro off in the distance. Meru is not as high as Kil, but many who have done both say it is harder and more interesting! Give it a try ...

Joan Becker Kelsch – This makes me want to go on vacation! So nice to hear from folks and learn of your adventures! Our favorite hikes of late: the Icicle Trail in Jasper (Canadian Rockies). Specimen Ridge in Yellowstone. In fact, just about anything in either of those places is pretty great. Closer to home (1 mile away) is Teddy Roosevelt Island in the Potomac River. It’s not exotic, but it’s pretty great that in 15 minutes out our front door, you can be in a little bit of nature with remarkably few people. We need more of these urban green spaces for some respite from our busy lives!

Callie McConnell – Thanks for sharing all the great trails and experiences! Thanks again Gwen for getting this going (I enjoyed the reading list e-conversations too)! I especially enjoy thinking of you and your families and careers now, and the little blasts from the past and our time together at F&ES. Here are 3 trails that come to mind: Chilkoot trail stretches 33 miles from just outside Skagway, Alaska, to Lake Bennett, British Columbia, the headwaters of the Yukon River. More than 30,000 men, women, and children climbed up the daunting Golden Stairs during the Klondike Gold Rush carrying enough supplies to sustain them for a year. We just carried supplies to sustain us for 4 days! The trail ends at an old train station and you catch the White Pass and Yukon Route narrow-gauge railroad back to Skagway. We took the Alaska State Ferry from Bellingham, Wash., to Skagway through the Inland Passage of British Columbia and the headwaters of the Yukon. We spent 3 days on the ferry, riding into Ketchikan and Olympic National Park. They have an incredibly beautiful climb up Mt. Meru, a 3 day hike through diverse ecosystems and overnight at simple huts. The last night, you leave about 12:30 a.m. and climb the summit for gorgeous sunrise views of Mt Kilimanjaro off in the distance. Meru is not as high as Kil, but many who have done both say it is harder and more interesting! Give it a try ...

Chris Rodstrom – I love the hike along the Teton Crest trail straddling Grand Teton National Park and the Targhee National Forest/ Jedediah Smith Wilderness in Wyoming. Any section of that trail is great, but the route from Fox Creek pass, past Fossil Mtn., north along Death Canyon Shelf, and dropping down into Alaska Basin is spectacular.

Peter Schuyler – Lots of great hikes being mentioned. In the spirit of Gwen’s title of “Favorite Hike, Bike, and Paddle Trails” – one of my favorites is the trip my two kids, wife, and I took to Chile two years ago. We hiked the complete “O” circuit in Torres del Paine National Park, switched over to kayaks for a 3 day trip starting in lakes with icebergs and then down rivers to the ocean fiord (much to the kids delight – Lisa and I managed to flip our kayak) and finished off with a day hike trip up to the Cave of the “recently” extinct Mylodon. Fantastic scenery, plants, birds and as they say – expect 4 seasons a day for weather in Patagonia. Closer to home – one of my favorite hikes is the trip on San Miguel Island (Channel Islands National Park) from Cuyler’s Harbor over to Point Bennett and return. You start on a beach that nearly always is footprint free, hike over the island through caliche forests, and end up overlooking one of the largest (if not the largest) marine pinniped breeding rookeries on the West Coast. Six species have been known to utilize the area and there are thousands of them! I have been fortunate to be able to return to the island many times over the years since my dad first took me out there in the 1960’s – never get tired of it! Finally – any high altitude Sierra Nevada trip is good, but the loop over Lamarck Col, down past Darwin Lakes, through Evolution Valley, and back out over Piute Pass is particularly spectacular. Happy exploring.
Gwen Thomas – I am partial to the Ice Age Trail in Wisconsin – a 1,000 mile hiking trail across the state that follows glacial ice flows from the most recent ice age ending some 10,000 years ago. Along the trail one hikes through forests and tall-grass prairie and can see amazing geologic formations like kames, drumlins, ice-walled lakes, and tunnel channels, as well as unglaciated areas like the Driftless Area. Sadly we are not in Wis. anymore, but we enjoyed hiking many sections of it while living there.

Rich Wallace (’00 Ph.D.) – I have three, each separated by roughly 3,000 miles: 1. The easternmost peaks of Acadia National Park, Maine. Start up the Beehive Trail, meet the Champlain North Ridge Trail, hike past the Bowl (lovely little lake) and continue across the peaks and then down, eventually ending up at the nature center. Spectacular views of the coast, ocean, and other parts of the park from multiple points. And Acadia’s free bus service will take you back to your car at the end. 2. The Paradise Valley Trail in Kings Canyon National Park, Calif. Excellent elevation gain along a roaring river with great waterfalls to a serene high peaks valley where you need to watch for bears. (That’s a reason to go, not a reason to avoid!) Permits required and overnighting a must! When you get to the valley, the river is comprised of many quiet pools – perfect for dipping your aching feet after all that climbing! 3. The Kalalau Trail on the north coast of Kauai. This is the only way to access this roadless stretch of Hawaiian coast, along the feet of the Na Pali Coast cliffs. Incredible beaches, mangos off the tree, and the best Pacific sunsets. Permits required (access and usage is tightly controlled) and at least three nights needed to do it right.

Carroll Yandell (’92) – Wow, a lot of new trails to discover. Thanks for all the ideas. Currently, my favorite is the High Sierra Loop in Yosemite. On another note, we (NatureBridge) just hired my favorite is the High Sierra Loop in Yosemite.

Take the place by storm. Makes me proud. Kaylee Weil (’14), a recent F&ES graduate, who is an F&ES graduate, who is

On another note, we (NatureBridge) just hired Carroll Yandell (’92) to discover. Thanks for all the ideas. Currently, we (NatureBridge) just hired my favorite is the High Sierra Loop in Yosemite.

– Wow, a lot of new trails to discover. Thanks for all the ideas. Currently, my favorite is the High Sierra Loop in Yosemite. On another note, we (NatureBridge) just hired my favorite is the High Sierra Loop in Yosemite.

Bill Keeton (’94) – I have three, each separated by roughly 3,000 miles:

1. The easternmost peaks of Acadia National Park, Maine. Start up the Beehive Trail, meet the Champlain North Ridge Trail, hike past the Bowl (lovely little lake) and continue across the peaks and then down, eventually ending up at the nature center. Spectacular views of the coast, ocean, and other parts of the park from multiple points. And Acadia’s free bus service will take you back to your car at the end.

2. The Paradise Valley Trail in Kings Canyon National Park, Calif. Excellent elevation gain along a roaring river with great waterfalls to a serene high peaks valley where you need to watch for bears. (That’s a reason to go, not a reason to avoid!) Permits required and overnighting a must! When you get to the valley, the river is comprised of many quiet pools – perfect for dipping your aching feet after all that climbing!

3. The Kalalau Trail on the north coast of Kauai. This is the only way to access this roadless stretch of Hawaiian coast, along the feet of the Na Pali Coast cliffs. Incredible beaches, mangos off the tree, and the best Pacific sunsets. Permits required (access and usage is tightly controlled) and at least three nights needed to do it right.

Ted Wong writes: “Cindy Caron and I won a contest at MIT’s Climate CoLab. The contest, which was sponsored by the American Geophysical Union, solicited ideas on helping farmers in the Pamir Mountains of Afghanistan and Tajikistan to update traditional agricultural practices for a climate-changed world. Our proposal, which combines indigenous knowledge, participatory science, and modern climate analytics into a fancy predictive-phenology platform, won the popular vote (thanks in part to F&ESers getting out the vote) and tied for Judges’ Choice. We hope to implement the project in collaboration with researchers from Cornell and UMass Amherst. Thanks to those of you who voted for us! Some of you may expect postcards.”
1995
Class Secretaries
Marie Gunning
Mjgunning@aol.com
Ciara O’Connell
cmoconnell@comcast.net

Lindsey Brace Martinez writes: “After 15 years at Cambridge Associates, an investment advisory firm in Boston, I decided it was time to try something new. I left in January, took time off to play with my kids this past summer, and recently have taken on some new assignments. In August, I joined the Board of a listed U.K. company called Impax. It’s an asset management firm that has a resource efficiency, water, and sustainability focus. I’m their first female and U.S.-based Board member, so it’s a first for both of us! I am exploring a few other projects that are focused at the intersection of business, strategy, and resource management. It’s been fun! One thing I did this summer was take a 1,500 mile road trip out to Niagara Falls, up to Ontario, Canada, and over to Maine. I spent a week with Dave Moffat (’94) and his wife, Carol Hall, as well as Don Redmond (’94). Dianna Wheeler (’94), and their two kids. It was so fun to see them. Unfortunately, my husband, Peter, couldn’t take the time off. We had some great meals, told ghost stories, and spent a lot of time in the lake. On the Yale front, I have been back to New Haven several times. I stayed with Eliza Cleveland (’94) and got her V.I.P. tour of the Peabody Museum. I also saw Stu Staley who is dominating the commodities markets in London and is also on the Advisory Board for the Yale Center for Business and the Environment. I joined last fall and have really enjoyed meeting and get involved with both F&ES and SOM students, teachers, and alums.”

2000
Class Secretaries
Erika Schaub
easffe@hotmail.com
Zikun Yu
info@ayuglobal.com
Linus Chen is serving as co-chair of the Endangered Species Committee of the American Bar Association’s Section of Energy, Environment, and Resources. The Committee just hosted its first event with the DC Chapter of the Society for Conservation Biology (SCBinDC).

Yuki Matsuoka writes: “I’m currently on maternity leave and enjoying the slow life with a baby! The southern islands, including Ryukyu Amami, where we live, will be registered as a World Natural Heritage site within a couple of years. So if any of you have a chance to come to Japan, please let me know.”

Anne Todd Osborn writes: “I had 10 grandkids (since graduation), 4 rules: be safe, be kind, learn something, teach something. 220 acres under conservation easement. 1 mile of trail corridor protected to join 2 state parks.”

April Reese writes: “Last year, I took a job with Discover magazine as an Associate Editor and moved to Milwaukee, Wis., from Santa Fe, N.M. I edit features as well as the magazine’s ‘Notes from Earth’ column, which showcases intriguing work in the Earth and environmental science realm. In other news, through a stroke of serendipity, last spring I had the pleasure of mentoring recent F&ES grad Geoffrey Giller (’14) during his four-month fellowship with The Open Notebook. At Discover, I’m always looking for great story ideas, so if you’re working on an important project the world should know about, don’t hesitate to get in touch!”

2001
Class Secretaries
Leigh Cash
cash@statsrule.com
Adam Chambers
adam.chambers@por.usda.gov
Jennifer Grimm
jennywgrim@gmail.com

Michael Benjamin writes: “I teach science to elementary through high school students in New Milford and in Lakeville, Conn. I also work part-time as Land Steward for the Kent Land Trust. I live with my wife and two teenage daughters in Kent on the campus of Kent School. Country life is treating us well.”

Leigh Cash writes: “James, the dogs (Luke and Lola), and I continue to love living in New Mexico. I wrapped up my postdoctoral studies in statistics early to accept a staff scientist position in the Weapons Physics Directorate here at Los Alamos National Laboratory. It is the most amazing and fascinating work I could ever have imagined doing.”

Matt Clark and Abby Sarmac are living in the southern Ecuadorian Andes in the small city of Loja with their two boys, Rowan and Quillan. Matt is enjoying his fundraising and communications job with the conservation NGO Nature and Culture International. Abby recently finished up her ten-year tenure with The Lemelson Foundation and is enjoying a few months of gainful unemployment before figuring out her next professional steps.

Chris Nyce writes: “I am the Energy & Environment, Science, Technology, Health Officer for the U.S. Embassy in Santiago, Chile. I arrived with my family in July 2014 and will be working here until 2017. This is the dream job that I left the Forest Service for back in 2005. The many U.S.-Chile partnerships in science and technology make this job particularly rewarding to be a part of. I get to go from the most important astronomy observatories in the world in Chile’s Atacama Desert to Torres del Paine National Park in Patagonia (see photo), all in the course of my work promoting science diplomacy. Our three girls, Rasa, Priya, and Jaya, love their school at Nido de Aguillas, and I am getting some good surfing in down here in the chilly water full of left-hand point breaks. If you are in the neighborhood, please know you can come and stay with us.”

Jen-Osha Buysses writes: “Last year, I finally started the school of my dreams: the Mountain Stewardship and Outdoor Leadership school! At Mountain SOL, we create fun, fully immersed experiences for kids from pre-K through high school. Our emphasis on passion, personal responsibility, and leadership skills equips Mountain SOL students with the tools to make real changes in their communities and the world at large. The kids call themselves ‘tree-climbing, deer-tracking, woods-running, dirt-digging, plant-growing, fun-loving, mountain-mapping, owl-calling, adventure-loving Mountain SOL Scouts.’ As for my family, my sons Elijah Storm and Rowan ‘Critter’ are 11 and 4 now. Nick and I live happily on a small mountain farm with lots of dogs, chickens, gardens, and kids.”

Outstanding Scholarly Award. Her next book, tentatively entitled Risky Foods and Citizen Scientists: The Gender Politics of Food Contamination after the Fukushima Nuclear Accident, will be out next year (Duke University Press). Aya also has a co-edited volume, Food and Power: Visioning Food Democracy in Hawaii (University of Hawai‘i Press), which hopefully will be published next year as well.

Michael Sternes writes: “I am living in Cuernavaca, Mexico where my wife, Blair (EPH ‘02), is a public health researcher. We have 3 kids. I continue my Oregon law practice virtually. I would like to hear from F&ES alumni working in Mexico and Central America.”

2003

Class Secretaries
Benjamin Hodgdon
benjamin.hodgdon@gmail.com

Peter Land
peterc.land@gmail.com

Ruth Baker and her partner welcomed their first child, Grace Quinn, on St. Patrick’s Day. Everyone is happy and healthy. Ruth is currently an Assistant Professor of Geography at the University of Wisconsin–River Falls.

Dariela Cusack writes: “This year I am on sabbatical on a Fulbright Scholar fellowship in Panama. I am hosted by the Smithsonian Tropical Research Institute, and I am researching soil carbon storage across nutrient and rainfall gradients in Panama (working all around the country). I am hoping to include forests around the place Oli Grantham has here. Today, outside our window, we saw five tucancillos, and a pair of woodpeckers has also been playing around here. Today, outside our window, we saw five tucancillos, and a pair of woodpeckers has been playing around here. I am hoping to include forests around the place Oli Grantham has been working all around the country. I am hoping to include forests around the place Oli Grantham has here. Today, outside our window, we saw five tucancillos, and a pair of woodpeckers has decided that our house is offensive; they start their attack at 6 a.m. every day and are louder than a chainsaw. I invite all my F&ES classmates to come visit!”

Alison Forrestel writes: “A highlight of this past summer was a mini-reunion in London with Flo Miller, Bill Finnegan, the Finnegan kiddos, Ilmi Granoff (‘04) and Liz Roberts. We were also excited to have a visit from Marni (‘04) and Nathaniel Carroll and their little ones. On a backpacking trip in the Sierra Nevada with Laura Tam, we ran into a group of hikers from the F&ES Class of 2015. Our F&ES crew in San Francisco is still solid; come visit, or better yet, move here!”

Jason Grear (‘03 Ph.D.) writes: “Joan and I are living on the Rhode Island shore with our son Eli, who attended the 2003 F&ES Commencement as an infant. Our oldest son, Max, is now a sophomore after doing a gap year in Peru; Willie is doing a gap year of service work in Brazil. I continue to work as an ecologist in the Environmental Protection Agency’s national water research program with an emphasis on the effects of nitrogen and carbon loads in coastal waters.”

Bronson Griscom (‘03 Ph.D.) writes: “Heather Griscom (‘00, ’04 Ph.D.), and I run a zoological park at our residence in Harrisonburg, Va., with three girls under five years old. When we are not attending to our monkeys, Heather is a tenured biology professor at James Madison University, and I am Director of Forest Carbon at The Nature Conservancy.

Brian Goldberg recently celebrated his August wedding to Missy Nystrom with family and some F&ES friends on the shores of Lake Chautauqua, N.Y. Gorgeous weather prevailed for the outdoor wedding as some guests remarked: “Brian and Missy’s careers serving the environment earned stunning weather from the powers upstairs.”

Dr. Krithi Karanth married Avinash Sosale in summer 2015 and was chosen as a Young Global Leader by the World Economic Forum.

Andres Luque writes: “After finishing my Ph.D. and a couple of years as a postdoc, I have just been appointed Lecturer in the Geography Department at Durham University (United Kingdom). I’m working on critically unpacking ideas around ‘smart cities’ and digital urbanism. I teach a course entitled “Cities and the Governing of Climate Change,” and in my research I’m examining emerging forms of (sometimes more and sometimes less) sustainable infrastructure in cities in the global South, particularly energy infrastructures. If anybody comes to the north of England, it would be great to get in touch!”

Abdalla Shah writes: “This has been a year of change for me, professionally, at least. After six years as Head of Office for the International Union for Conservation of Nature (IUCN) in Tanzania, I am now a Climate Change Advisor for the United Kingdom’s Department for International Development (DFID), Tanzania. I left IUCN in March for short-term consultancies, including a one-month stint in South Sudan. I started with DFID in July with new challenges and different perspectives. On another note, my other locally-based F&ES colleagues and I met the U.S. Ambassador, Mark Childress (YC ’81), in Tanzania; we had a good discussion on various issues. The major take-home from this meeting was that he was willing to engage further and see what we can do together to contribute to natural resources management and conservation matters in Tanzania.”

Ninian Stein has accepted a hopefully long-term position as Lecturer on a Lecturer/Senior Lecturer track in Environmental Studies at Tufts University. She is optimistic about securing secondary appointments in the Department of Anthropology and with the Tufts Institute for the Environment. Toddler Rowan and bassett hound Buddy are enjoying their new house, yard, and garden in Medford, Mass.

2007

Class Secretary
Kate Neville
kate.neville@aya.yale.edu

Erin Barnes writes: “Individuals just like you have now used ioby to raise more than $2 million to create, fund, and make projects in their own communities. Shout outs to Georgia Silvera Seams (‘01) and Drena Howard (‘06) for leading ioby campaigns to create positive, sustainable change in their neighborhoods. We’re building on our successes in NYC, Memphis, Los Angeles, and neighborhoods across the nation to open offices in Detroit, Cleveland, Pittsburgh, and Washington. We’re going to need your help spreading the word about open positions and how we can help bring great ideas to life.”

ioby.org

Amanda Moss Cowan finished a two-year postdoctoral program at the University of Oxford in July and moved back to the United States to start her new position as Assistant Professor of Management at the University of Rhode Island College of Business Administration. Besides teaching strategic management to senior undergraduates, she continues to research business responses to environmental crises. Now that she’s living in Providence, she looks forward to spending time with fellow-PVD residents Joanna Carey and Jules Opton-Himmel, as well as other F&ESers in the area.

Derrick Dease writes: “Hi, all! It’s been a while since I sent an update, but trust me, things have been crazy since we last ‘spoke.’ Namely, I’ve moved on from International Paper and left the sandy shores of Myrtle Beach, S.C., to become the Environmental Manager at LarfargeHolcim’s cement manufacturing facility in Florence, Colo. I’m living in the Fountain area (just south of Colorado Springs), and I’m in Denver pretty frequently. I’d love to connect with fellow F&ESers in the area.”

Please continue to keep us updated regarding your contact and professional information . . .
Qian Fang writes: “I am currently doing Business Development for Shanghai Disney Resort. This will be the first Disney resort in mainland China. Everyone is welcome to come to it after it opens in 2016.”

Rachelle Gould is moving to Vermont and hopes that the people who’ve told her that Burlington is like a “miniature (and MUCH more snowy) Berkeley” are correct! After eight years in Silicon Valley (though not doing anything much related to Silicon Valley, but instead doing a doctorate and a postdoctoral program at Stanford University), she is pulling out the cross-country skis, snowshoes, and long underwear Rachelle will be an Assistant Professor of Sustainability and Global Equity at the University of Vermont’s Rubenstein School of Environment and Natural Resources. She’s thrilled and really hopes she sees a moose very soon.

Marc Hiller writes: “Erica and I are being kept very busy in Portland, Ore., with Miriam (age 3), Simon (6 months), work, and enjoying the Pacific Northwest.”

Kevin Lauterbach is living on Maui. He works at Hui Malama Learning Center as the STEM teacher and tries to run his classes like MODS. huimalama.org

Dawn Lippert writes: “I’m still living in Hawaii, and a few years ago I founded the Energy Excelerator to fund startups that are working to solve the world’s toughest energy, water, and agricultural problems. So far we’ve raised about $40M for the Energy Excelerator and funded 32 startups, with more to come! I now chair our state’s energy advisory board, a path that I was set on during Professor Marian Chertow’s (SOM ’81, ’00 Ph.D.) industrial ecology class and a class project on the Big Island of Hawaii. After some twists and turns, I’ve been in Hawaii for over 6 years working on clean energy, and I love working at the intersection of policy & entrepreneurship. I loved running into Professor Dan Esty (LAW ’86) and some other F&ESers at the Aspen Institute this summer!”

Charlie Liu writes: “I married Patrice Liu (née Murphy) from Nova Scotia in 2013 and we now have a 14-month-old daughter, Georgia. I’ve been working for an industrial biotech company doing research and development and producing renewable chemicals for the past five years in Shanghai. They have developed a process to make renewable nylon with one third the carbon footprint of current petrochemical nylon and other properties that make it potentially safer and more environmentally friendly. We’re working on building our first U.S. production facility, so I’m based in Chicago now and trying to figure that out; I’m also starting business school at the University of Chicago in a few weeks.”

James McConaghy writes: “I completed my Ph.D. in ecology at UC-Davis last spring, moved to Portland, got engaged, and have since started a permanent position with the Oregon Department of Environmental Quality providing scientific review of new water quality standards and developing new assessment methodology. It’s been a busy year!”

Kate Neville writes: “I’m hoping that Oliver Wendell Holmes Sr. is right when he says “The axis of the earth sticks out visibly through the centre of each and every town or city.” After three years spent living at the BC-Yukon-Alaska border in an off-grid log cabin in the woods, I’m launching a new urban, southerly phase of life, where I’ll be looking for the axis of the earth in the city of Toronto! I’ve just started a position as an Assistant Professor at the University of Toronto, split between the Department of Political Science and the School of the Environment. As I’ve fallen madly in love with the sub-Arctic landscape, and my research continues to focus on contested energy developments in that region (fracking, pipelines, etc.), I’ll still spend my non-teaching time up North. Meanwhile, here amidst the people and concrete and vibrant culture of the city, I’ll be scouting out the pockets of wilderness and wilderness and enjoying the chance to work with amazing students and faculty.”

Suzy Oversvee writes: “My husband Steve, daughter Elise (), and I welcomed Sybil Ann Oversvee Quarterman to our family in November 2014. Shortly before Sybil was born, we moved from Seattle to Everett, Wash., close to the Snohomish County Public Utility District, where I manage energy efficiency programs. Drop me a line if you’re in the area!”

Mike Perlmutter writes: “I’m living in Berkeley, Calif., with my wife, Alicia, and our new daughter, Sofia. Life is very full with parenting, work, and music. I’m working for the City of Oakland managing a program that supports volunteer initiatives to clean and green the city. Outside of work, I perform regularly at weddings, concerts, and other festive occasions with Inspector Gadje Balkan Brass Band and Saul Goodman’s Klezmer Band. And at home, I make sure to always have homemade sauerkraut on hand; come by and try some.”

Alark Saxena (’15 Ph.D.) writes: “I graduated from the doctoral program and walked with the Class of 2015. Right before graduation, I was hired as a Lecturer and Associate Research Scientist at F&ES. I currently teach an online course on Himalayan diversities and am developing another course on climate change resilience. Apart from teaching and research, I am also the Program Director of the Yale Himalaya Initiative. I married Alder Keleman (’06) in 2013. I had a good time writing my thesis in Bolivia, where Alder was finishing her doctoral field work on food security. We live in the same building/apartment where I have lived since 2008, and we will be very happy to host anyone visiting Yale.”

Vanitha Sivarajan (’09) writes: “I just moved from Atlanta, Ga., to Washington, D.C., for a job change. In Atlanta I was working from home as a Development Director for the Model Forest Policy Program on community-based climate adaptation work. My new job is with the Department of the Interior in Foggy Bottom. Though I miss writing grants, I get to go out all day over climate adaptation and natural resources management as a Policy Analyst without having to worry about raising a dime! It also gets me back to the international realm, as I’ll be focusing some of my work on the Arctic. I love being back in an office environment again with great coworkers and am excited to reconnect with other F&ESers here in D.C.”

Nadav Tanners is living in Somerville, Mass., with his wife, Leah, and his two sons, Eli (4) and Kai (1). He is a Senior Associate at Industrial Economics, and his recent work includes system dynamics modeling work for the Environmental Protection Agency and regulatory analysts support for the Food and Drug Administration’s Center for Tobacco Products.

Kate “Woody” Tipple writes: “Hi to everyone! This past year I finished law school at the University of Utah with a certificate in environmental and natural resources law. As part of the Pace Moot Court team, I travelled to New York, where we won best brief for our side. I am now at Parsons Behle & Latimer, working on water issues and litigation. My husband, Brett Tipple (GRD ’09 Ph.D.), and I enjoyed a visit from Becca Barnes (’08 Ph.D.) in June. We were also able to visit Terry Baker in August while he was
busy saving the West Coast from fires. As always, we would love to see you for a hike or a ski!”

Justin Westrum writes: “I recently moved from Berkeley, Calif., to Melbourne, Australia, where I’m working as an environmental consultant. I’m also engaged to a lovely gal from New Mexico who teaches photography at RMIT University and is the reason I moved to Oz.”

2008

Class Secretaries
Angelica Afanador Ardila
angelica.afanador@ayayale.edu
Kelsey Kidd Wharton
kelseyk.wharton@gmail.com
Mariya Absar (*09) writes: “I am living in Knoxville, Tenn. About a year ago, I enrolled in a joint doctoral degree program with the University of Tennessee and Oak Ridge National Laboratory so I could continue studying the impacts of climate change on the water-land-energy nexus. The work is extremely challenging, but it keeps me on my toes. For leisure, I resort to biking the greenways, kayaking in the nearby lakes, or going hiking in the Smoky Mountains.”

Ali Akram (*15 Ph.D.), writes: “I’m in Washington, D.C., with my wife, Zahra, and young son, Zain. I’m a postdoctoral fellow at Evidence Action conducting development economic research.”

Christopher Clement writes: “I married the love of my life, Danielle, near my family’s home in the mountains of North Carolina this past June. After living apart for too long, we have made a cute home in Durham, N.C. I am throwing my heart and soul into finishing my doctorate in ecological economics from the University of Vermont this year. All the while, I am working on a start-up company with some other recent Ph.D.s in clean energy investment, in the hopes of pivoting out of academia once I graduate.”

Zeke Hausfather is pursuing a doctoral degree at the Energy and Resources Group at the University of California, Berkeley while working as the Chief Scientist of the energy efficiency startup Essess and as a Research Scientist at the non-profit Berkeley Earth.

Amy Heinemann writes: “After working in renewable energy policy since F&ES, I decided to make a transition last year. I am finishing up my second year of business school at New York University Stern School of Business and am looking forward to working in the Natural Resources investment banking group at Goldman Sachs following graduation.”

Innocent Liengola writes: “I will be enrolled in the coming spring semester at the Université de Liège in Belgium to continue with my doctoral studies in landscape ecology in partnership with Professor Jan Bogaert as my advisor. I am excited about the challenge of shifting from the American education curriculum to European education policies and requirements. I am leaving behind at home in Kinshasa, Democratic Republic of the Congo, my lovely wife, three teenage boys, and one girl. It is not easy, but …”

Paula Randler writes: “Home improvements in Tucson are going well. The cistern is full and the chickens are restless.”

Peyton Smith began a postdoctoral position at Pacific Northwest National Labs (PNNL) in Washington at the end of 2014. At work, she explores physiochemical and microbiological stabilization mechanisms for organic matter in soils via integrating multi-omic data, and at home, she chases around her small mini-scientist (2-year-old daughter) and large Irish Wolfhound.

2012

Class Secretaries
Simon De Stercke
simon.destercke@ayayale.edu
Naazia Ebrahim
naazia.ebrahim@ayayale.edu
Alison Schaffer
scaffer.alison@gmail.com
Leigh Whelpton
leigh.whelpton@gmail.com
Amit Ashkenazy writes: “I am doing my Ph.D. at the Delft University of Technology, modelling environmental policy processes, especially in sustainable cities and mobility. I am also consulting government ministries, foundations, and NGOs on environmental policy, strategies, and campaigns.”

Matthew Browning writes: “Lara and I just started faculty positions in the Department of Recreation, Sport and Tourism at the University of Illinois at Urbana-Champaign. We are also renting out a mother-in-law suite in our house through Airbnb, so please come and visit if you are driving through the Midwest!”

Anuj Desai writes: “Ziya Valentina Desai was born in February to Joanna and me. She’s big-eyed, smiley, super curious, and very forgiving of her rookie parents. Ziya came home from the hospital just hours before we finished a renovation to a new home we bought on the east side of Los Angeles. I am working at Southern California Edison, oftentimes on projects with Alyssa Go (*11). Otherwise, the time is spent exploring L.A. with Ziya as she wraps me around her little pinky and>cements her status as Daddy’s little girl. Come check her out if you’re in town!”

Ariel Patashnik writes: “After three years in beautiful New Mexico, I headed out to Santa Rosa, Calif., this June for a job with the Sonoma Land Trust. My mutt Acer and I are enjoying it so far; he’s skeptical about trading mountains for ocean, but I hope to win him over. I look forward to connecting with all the Bay Area F&ESers soon!”

Emily Schosid is still working as the Sustainability Planner at Virginia Tech. With her army of 17 student interns, she educates the campus and larger community about sustainable, low-impact lifestyles. She and her dog Banjo spend their free time hiking around the Appalachian Trail, writing poetry (Banjo’s poetry is really top notch), and taking in the small-town charm of Blacksburg, Va.

Yang Tian writes: “I’ve been conducting my doctoral research at Harvard on climate dynamics, concentrating on the interaction between small-scale cumulus convection and the large-scale environment.”

Pablo Torres writes: “I joined a USAID contractor in July as an Operations Manager and Climate Finance Specialist. Much of the work is focused on Latin America (though I am based in Washington, D.C.), so this makes me happy! As for my other activities, I’ve been competing in triathlons all year long and I’m getting ready to run the Philly marathon. I’ve taken up a leadership role in the Board of the DC Triathlon Club.”

Andrew Zingale (*13) returned to the California State Legislature earlier this year, where he is serving as the Legislative/Policy Director for State Assemblyman Kevin Mullin (D-22). He is still living in Oakland but working in the Sacramento and San Mateo offices.

PLEASE CONTINUE TO KEEP US UPDATED REGARDING YOUR CONTACT AND PROFESSIONAL INFORMATION . . .
YALE SCHOOL OF FORESTRY & ENVIRONMENTAL STUDIES

CLASS NOTES

2013
Class Secretaries
Judith Ament
judithament@gmail.com
Adedana Ashebir
adedana.ashebir@gmail.com
Rebecca de Sa
rebecca.desa@aya.yale.edu
Laura Johnson
laura.a.johnson@aya.yale.edu
Victoria Lockhart
victoria.lockhart@aya.yale.edu
Victoria Lockhart writes: “I spent a busy summer getting married, adopting a wonderful Labrador-mix puppy named Dos, and moving to Birmingham, Ala., for a new role as Forest Planner with Resource Management Service. I’m looking forward to a great fall and hoping there might be some other F&ES grads hiding in my new town!”

Teodora Stoyanova writes: “Together with a group of friends over the summer, we realized the Sea Sunflowers project by modifying seven beach umbrellas with solar panels and turning them into free charging stations for electronic devices. I am working to promote renewable energy and the creation of a better and more eco-friendly Bulgaria.”

Mona Wang writes: “Protecting the world’s forests from major agricultural commodities through private sector and policy initiatives at World Wildlife Fund (WWF) is no small task, but the fancy coffee at WWF sure helps!”

2014
Class Secretaries
William Georgia
william.georgia@yale.edu
Chetana Kallakuri
chetana.kallakuri@aya.yale.edu
Lin Shi
linshiknox@gmail.com
Cary Simmons
carysimmons@tpl.org
Karen Tuddenham
karen.tuddenham.yale@gmail.com
Urs Dieterich (’15) writes: “Make life beautiful, keep believing in yourself and in others, look forward, and keep your past as a precious treasure to help guide you toward the future.”

2015
Class Secretaries
Akiva Fishman
fishman.akiva@gmail.com
David Gonzalez
david.j.x.gonzalez@yale.edu
Philip Kunhardt
philip.kunhardt@yale.edu
Frances Sawyer
frances.sawyer@aya.yale.edu
Eric Vermeiren
ericvermeiren@gmail.com
Whitney Boone writes: “I am working at the National Park Service on Alaska’s natural resource planning, reporting, and evaluation efforts. Merlin and I are loving being married and living together, which is a radical concept for us. We are thoroughly enjoying life in Alaska, and all of the awesome adventures we’re having make up for the fact that I’m scraping ice from my windshield in September!”

Joseph Calamia has been promoted to Senior Editor for science and technology at Yale University Press, where he acquires new book projects for general interest readers and course use related to physical sciences, technology, and environmental sciences and studies.

Akiva Fishman writes: “I’m in New York this year finishing up law school at New York University and consulting part-time for the World Resources Institute (WRI). It’s a lot of fun, but law school’s got nothing on F&ES in the community department. I miss you guys!”

Even though Susannah Harris (’16) walked with her F&ES “social class” in May 2015, she is back in New Haven for one more year to complete her joint degree program (M.E.M./M.B.A.). She is taking a wide variety of classes across many Yale professional schools, including a six-person law seminar on chemical controls taught by Don Elliot, former General Counsel to the U.S. Environmental Protection Agency. Outside of classwork, she enjoys serving on the F&ES Alumni Association Board, supporting F&ES Career Development Office events, and meeting the next generation of F&ESers at school-wide social events.

Gator Halpern writes: “Sam Teicher and I recently went down to the Dominican Republic to visit a potential site for Coral Vita’s first coral nursery. I’m also working out of the mobile office (a 2001 Honda Accord), as I drive across the United States visiting as many National Parks, disc golf courses, and friends as possible along the way.”

Corey Johnson moved to Washington D.C. after graduation, where he joined Booz Allen Hamilton as an energy consultant.

Philip Kunhardt (’16) married Laura Torre (LAW ’14), on May 20, 2015. Philip is set to complete the final courses of his M.F.S. degree this fall. The two have moved to Midtown, Manhattan, but make regular forays out of the grey urban sprawl and into the green countryside.

Kristina (Krycia) Solheim writes: “I spent the summer interning at the United Nations Environment Programme in Washington D.C. I just came back to New Haven and am doing research on sustainable cities with Worldwatch Institute and part-time with the New Haven Transportation, Traffic and Parking Department on a new sustainable transit initiative (GoNewHavenGo). I’ll be here until December 2015, and then, who knows?”

Jong Tae Park writes that he is working with the Environmental Defense Fund designing an energy strategy for Iron Mountain.

Logan Yonawaj writes: “I am in the process of finishing my Executive M.B.A. degree with a focus on asset management. I am also consulting with a boutique investment management firm focused on providing impact investing expertise to high-net-worth and family offices in the United States.”
KEY TO MACRO OR MICRO IMAGES ON PAGE 2

**Shell of a Green Sea Urchin**
MICRO – Width of image approximately 4 mm; scanning electron microscope image. Imaged and processed by P. Kelly.

**Surface of the Wing of a Blue Darned Dragonfly**
MICRO – Width of image approximately 3 mm; colorized scanning electron microscope image. Imaged and processed by P. Kelly.

**Ganges-Brahmaputra Delta, West Bengal, India**
MACRO – Approximately 100 km by 70 km; Landsat ETM image; image taken on November 15, 1999. An RGB 741 (mid-IR, near-IR, Blue wavelengths) image was created and converted into black & white. Raw data downloaded from Global Land Cover Facility; processed by S. Young.

**Great Salt Desert, Iran**
MACRO – Approximately 30 km by 18 km; Landsat ETM bands 742 RGB color composite (shortwave-infrared, near-infrared, green spectrum); image taken August 28, 2000. Raw data downloaded from Global Land Cover Facility; processed by S. Young.

**Lena River Delta, Siberia, Russia**
MACRO – 74 km by 52 km; Landsat ETM panchromatic Band 8 (visible spectrum); image taken June 30, 2000. Raw data downloaded from Global Land Cover Facility; processed by S. Young.

**Dasht-e Kavir Desert Region, Iran**
MACRO – Approximately 56 km by 27 km; Landsat ETM 641 RGB color composite (Thermal-infrared, Near-infrared, blue spectrum); image taken August 19, 2005. Red = heat. Raw data downloaded from Global Land Cover Facility; processed by S. Young.

**Surface of the Tongue of a Northern Leopard Frog**
MICRO – Width of image approximately 500 microns; scanning electron microscope image. Imaged and processed by P. Kelly.

**Visit Kroon Hall before the end of December to view the entire interactive exhibit in person!**

**Bill Keeton ’94 M.E.S., Professor of Forest Ecology and Forestry at the University of Vermont’s Rubenstein School of Environment and Natural Resources, spent a month this past summer in Bhutan conducting field research on climate change effects on wildfires in Himalayan blue pine forests. These mid-elevational, fire-prone forests comprise the critical wildland-urban-interface around some of Bhutan’s larger towns in the northwestern part of the country. This is a photo of Bill hiking back down to the capital city of Thimphu at the end of a long day of field work at one of the study sites in the surrounding mountains. Note that Bill is sporting his F&ES hat in the field. See page 51 to learn about a soon-to-launch website that will make it easy for alumni and friends to purchase F&ES hats, t-shirts, and more online!**
IN MEMORIAM

Calvin B. Dunwoody ’48 M.F.  
(1921-2015) of Kennebunk, Maine, passed peacefully on July 22 in Portland. Calvin was an explorer, adventurer, world mountaineer, 50 State Highpointer, triathlete, yachtsman, pilot, lacrosse player, skier, and swim coach. Born in Newport, R.I., and raised in Swampscott, Mass., Calvin graduated from the Massachusetts Institute of Technology in 1943 before earning his master’s degree from the Yale School of Forestry. During WWII, he served in the American Field Service, receiving the British Empire medal in 1944. In 1988, he retired as Director of Planning and Development for the State of Rhode Island’s Department of Environmental Management after 35 years, previously holding the position of Chief of Forestry for the Department of Natural Resources. His wife, Helen, to whom he was married for 62 years, Renate, his three children, and his sister, as well as by friends and colleagues will remember Leonard as a teller of true stories, a font of trivial information, a lover of all animals, and an engaged steward of the land. His sharply dry sense of humor as well as his honesty and integrity will be very much missed. Born in New York City, he grew up in Kent, Conn., before attending West Virginia University, where he received his bachelor’s degree in forestry in 1953. After a stint in the U.S. Army and employment with the U.S. Forest Service, Leonard obtained a master’s degree from the Yale School of Forestry, after which he began work for the Crossett Lumber Company on the Gates District outside of Monticello, Ariz. He served as both assistant district forester and district forester before relocating to Pa. There he worked with both the state forest and park services, and in 1969, he returned to the South to work with the Louisiana-Pacific and Georgia-Pacific lumber companies. From then until his retirement he served as a district, area, and quality control forester. All told, he worked for over 45 years in the timber industry. Throughout his professional and personal life, he evinced a real interest in and respect for all of the places and people he encountered. Leonard is survived by his wife, Mary Bonita Howard, two daughters, and two grandchildren.

Alfred M. Greer Jr. ’53 M.F.  
(1918-2015), who lived in Hooksett, N.H., died peacefully on July 15. Having served in the U.S. Army in World War II, he was one of the last surviving Merrill’s Marauders. A graduate of the University of Massachusetts and the Yale School of Forestry, Alfred worked as a highway engineer for the State of New Hampshire before moving to Alaska in 1972, where he was employed as the state ecologist during the construction of the Alaska oil pipeline. Born in Malden, Mass., Alfred married his beloved wife, Della, on June 27, 1949. They celebrated 62 years together until her passing in 2011. He is survived by his five children and their spouses, 11 grandchildren, and five great-grandchildren. Loved dearly, he will be remembered fondly by his family and friends.

Leonard R. Howard ’56 M.F.  
(1929-2015) of Montgomery, Texas, died on May 26 following a lengthy struggle with Lewy Body Disease. Family, friends, and colleagues will remember Leonard as a lover of all animals, and an engaged steward of the land. His sharply dry sense of humor as well as his honesty and integrity will be very much missed. Born in New York City, he grew up in Kent, Conn., before attending West Virginia University, where he received his bachelor’s degree in forestry in 1953. After a stint in the U.S. Army and employment with the U.S. Forest Service, Leonard obtained a master’s degree from the Yale School of Forestry, after which he began work for the Crossett Lumber Company on the Gates District outside of Monticello, Ariz. He served as both assistant district forester and district forester before relocating to Pa. There he worked with both the state forest and park services, and in 1969, he returned to the South to work with the Louisiana-Pacific and Georgia-Pacific lumber companies. From then until his retirement he served as a district, area, and quality control forester. All told, he worked for over 45 years in the timber industry. Throughout his professional and personal life, he evinced a real interest in and respect for all of the places and people he encountered. Leonard is survived by his wife, Mary Bonita Howard, two daughters, and two grandchildren.

Michael Roy “Mike” Murray ’64 M.F.  
(1941-2015) passed away peacefully on June 11 from complications related to cardiovascular disease. Mike was born in Grand Rapids, Mich. After graduating from Michigan State University, he pursued a master’s degree at the Yale School of Forestry. It was in New Haven that he married Diane DeCommer in the same year he obtained his graduate degree. Mike’s career took his family to many states, but it was during business travel to Portland, Ore., that he decided he would someday call the city home. He and his family finally settled there in 1977, where he worked at Disdero Lumber before founding Wood-Lam Structures. Mike also served on the Board of Tumac Lumber and co-founded the Structural Roof Erectors Association. He retired in 2001, lucky to have loved his career and all the people he worked with through the years, many of whom became close, lifelong friends. Mike volunteered on and for a number of committees, associations, and causes. He held many positions at the Charbonneau Golf Club in Wilsonville, where he lived for years. Fishing the state’s rivers was a particular joy for him, inspiring him to serve as a guide on many occasions. Likewise, building a house in Manzanita was a special pleasure, but he decided that golf was better in a sunnier clime, so he moved south to Heritage Palms in Indio, Calif., where he and Diane spent the winter months for more than 15 years. Predeceased by his brother, Mike is survived by his wife of 51 years, their two daughters, his son-in-law, three granddaughters, his sister-in-law, and many cousins, nieces, and nephews.
William Gibson “Bill” Rogers ’58 M.F.
(1932-2015) was born in Atlanta, Ga. He attended Georgia Tech and later transferred to the University of Georgia in Athens, where he received a B.S. in forestry. Bill then served on active duty with the U.S. Naval Reserve in the Pacific Area, attaining the rank of Lieutenant. Under the auspices of a Naval Scholarship to Yale, he earned his master’s degree from the School of Forestry. Upon graduation, he took his first job with the former United States Plywood Corp. and developed his career with that organization under various appointments for the next thirty years. It was shortly after returning to Atlanta that he met and married Margaret “Peggy” Hahn, with whom he had three sons. Bill’s career with the same forest products organizations included a series of responsibilities and moves from Atlanta to Nashville to Lake City to New Orleans and finally throughout the country as National Accounts Sales Manager. Upon the dissolution of U.S. Plywood, he entered into a period of public service by joining the staff of Florida’s Department of the State’s first forest products co-op, The Olde South Trading Group, and early promotions associated with the nascent “Fresh From Florida” program. When he retired after ten years with the Department of Agriculture, he established a private practice as a Certified (SAF) Forester and Certified (ISA) Arborist through his consulting firm, Scientific Tree Care of Tallahassee. He held leadership positions as President of the Lake City Rotary Club, President of the Capital City Kiwanis Club of Tallahassee, and as a founding charter member of both the Marzuq Shriners Club and the Bradfordville Kiwanis Club. In one of his final gestures of service, Bill became a volunteer with the Florida Guardian ad Litem Program. Many of his final years were spent enjoying the sunsets from his dock on Apalachicola Bay near the home he and Peggy shared. She, and their sons, survive him.

Edgar L. “Ed” Vaughn Jr. ’87 M.E.S.
(1935-2015) of Orange, Conn., passed away on June 30. His professional career was spent in the town, where he helped to grow the family business, Vaughn Nurseries, and where he enjoyed a tenure of 37 years as Tree Warden. Some of his notable achievements included landscaping the Connecticut State Capitol and designing the arboretum in Milford. In his youth, Ed was a keen sportsman who won the Scholar Athlete award at Hillhouse High School. As a college undergraduate, he played baseball and football for the Massachusetts Institute of Technology and played hockey for Cornell University, from which he graduated. His graduate degrees included one in botany from Southern Connecticut State University and a second in silviculture from the Yale School of Forestry & Environmental Studies. Ed was proud of his service in the Connecticut Air National Guard. In his spare time he was very fond of music, singing, crossword puzzles, biking, traveling, writing poetry, and socializing with friends. He loved the outdoors, especially when pacing job sites, rambling through forests, and climbing mountains, and he truly cherished time spent at the family cabin on Highland Lake in Stoddard, N.H. Preceded in death by his first wife, Lois Guthridge, and his second wife, Penny Vaughn, he is survived by his two sons, his daughter, their spouses, six grandchildren, two sisters, and several nieces and nephews.
CLASS OF 2014 CAREER UPDATE

ACADEMIC (K-HIGHER EDUCATION)

Postgraduate Associate
New Haven, Conn.

Royal University of Bhutan,
College of Science & Technology
Chukha, Bhutan

Sacred Hearts Schools
 Lahaina, Hawaii

University of California Los Angeles
Los Angeles, Calif.

 Wageningen and Sikkim Universities
Katmandu, Nepal

Yale Center for Business and
the Environment (CBET) – 3
New Haven, Conn.

Yale Center for Environmental Law & Policy
New Haven, Conn.

Yale Peabody Museum of Natural History
New Haven, Conn.

Yale Project on Climate Change
Communication
New Haven, Conn.

Yale School of Forestry & Environmental Studies
New Haven, Conn.

Yale School of Forestry & Environmental Studies, Global Institute of Sustainable Forestry
Research Assistant
New Haven, Conn.

Yale School of Forestry & Environmental Studies, Tropical Resources Institute
Research Fellow
Sinharaja, Sri Lanka

Yale University Forests
New Haven, Conn.

Yale University
New Haven, Conn.

Yale University, Urban Ecology & Design Lab
New Haven, Conn.

ENTREPRENEURIAL/SELF-EMPLOYED

BlackStartup
Founding Member & CEO
San Francisco, Calif.

Citiesense LLC
Chief Executive Officer
New Haven, Conn.

Freelance Producer
Salt Lake City, Utah

Futurepast
Vice President of Research and Development
Washington, D.C.

Private Environmental Consultant
Trumbull, Conn.

GOVERNMENTAL, TRIBAL, MULTI-NATIONAL, AND PUBLIC SECTOR

Administrative Conference of the United States
Attorney Advisor
Washington, D.C.

Antigua & Barbuda Government
Gruber Fellow, Environment Division, Project Coordinator
St. Johns, Antigua

Ateneo School of Government
Director
Manila, Philippines

Chief Justice Dana Fabe
Law Clerk
Anchorage, Alaska

City of San Mateo
Managing Arborist
San Mateo, Calif.

Connecticut Supreme Court
Law Clerk
Hartford, Conn.

Consejo Civil Mexicano para la
Silvicultura Sostenible
Public Policy Specialist
Mexico City, Mexico

National Environmental Commission
Senior Legal Officer
Thimphu, Bhutan

New York City Department of Parks and Recreation
Urban Forester
New York City, N.Y.

NOAA/Integrated Services, Inc.
Fisheries Biologist
Gloucester, Mass.

North Carolina Clean Energy Technology Center
Energy Policy Intern
Raleigh-Durham, N.C.

Regional Center for woodland Stewardship
Extension Forester
Nord Pas De Calais, France

The Forests Dialogue, Korean Forest Service
Forest Manager
Seoul, Korea

United Nations
Adviser
New York, N.Y.

United Nations Development Programme
Researcher, Energy and Environment Group
Bangkok, Thailand

U.S. Department of Interior, Bureau of Land Management
Presidential Management Fellow
Salt Lake City, Utah

U.S. Department of Interior, Geological Survey, Hydrologist
Houston, Texas

U.S. Forest Service, Ecosystem Services and Markets
Presidential Management Fellow, Natural Resources Specialist
Washington, D.C.

U.S. Forest Service
Forest Manager
Los Gatos, Calif.

U.S. Forest Service
Forester
Waldport, Ore.

U.S. Forest Service, International Office
Supervisory Forester
Washington, D.C.

U.S. Office of Management and Budget, Energy Division
Presidential Management Fellow
Washington, D.C.

NGO/ NON-PROFIT

African Wildlife Fund
Conservation Management Trainee
Nairobi, Kenya

Calgary Zoo
Conservation Research Fellow
Calgary, Alberta, Canada

Connecticut Audubon Society
Director of the Coastal Center at Milford Point
Milford, Conn.

Connecticut Fund for the Environment/
Save the Sound
Green Infrastructure Program Manager
New Haven, Conn.

DC Water
Green Infrastructure Planning Coordinator
Washington, D.C.

Eastern Shore Land Conservancy
Coastal Resilience Specialist
Queenstown, Md.

Electronic Industry Citizenship Coalition (EICC)
Audit Program Manager
Alexandria, Va.

Energy Innovation, LLC
Policy Analyst
San Francisco, Calif.

FAFO Research Foundation
China Sustainable Finance Campaigner
Beijing, China

Field Innovation Team
Creative Director
Heber City, Utah

Green Alliance
Policy Advisor
London, United Kingdom

International Institute for Sustainable Development
Senior Researcher
Thimphu, Bhutan

Monitor 360
Senior Consultant
Washington, D.C.

National Young Farmers Coalition
Land Access Campaign Manager
Hudson, N.Y.

New Ecology, Inc.
Senior Associate
Boston, Mass.

Pivot Point
Program Specialist
Portland, Ore.

Sierra Club, International Clean Energy Access
Associate Campaign Representative
San Francisco, Calif.

Snow Leopard Conservation Center
Executive Director
Tibet, China

The Mountain Pact
Founder and Executive Director
South Lake Tahoe, Calif.

The Nature Conservancy
Conservation GIS Analyst
Harrisburg, Pa.

The Pew Charitable Trusts
Advisor, Global Shark Conservation Campaign
New York, N.Y.
### Private Sector: Consulting

<table>
<thead>
<tr>
<th>Company/Role</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Regulatory Assistance Project Consultant</td>
<td>Montpelier, Vt.</td>
</tr>
<tr>
<td>The Wilderness Society Arctic Lands Conservation Specialist</td>
<td>Anchorage, Alaska</td>
</tr>
<tr>
<td>Utah Clean Energy Program and Policy Associate</td>
<td>Salt Lake City, Utah</td>
</tr>
<tr>
<td>Western Conservation Foundation Wyss Fellow</td>
<td>Washington, D.C.</td>
</tr>
<tr>
<td>Wildlife Conservation Society Program Officer, North America Bozeman, Mont.</td>
<td></td>
</tr>
<tr>
<td>World Resources Institute Research Analyst</td>
<td>Washington, D.C.</td>
</tr>
<tr>
<td>World Wildlife Fund Conservation Finance Consultant Ho Chi Minh City, Vietnam</td>
<td></td>
</tr>
<tr>
<td>World Wildlife Fund Uganda Researcher Bejing, China</td>
<td></td>
</tr>
<tr>
<td>AECOM/ENSR Project Manager</td>
<td>Stamford, Conn.</td>
</tr>
<tr>
<td>AECOM Environmental Scientist Destin, Fla.</td>
<td></td>
</tr>
<tr>
<td>Barbara J. Goldsmith &amp; Company LLC Environmental Management Environmental Projects Consultant</td>
<td>Washington, D.C.</td>
</tr>
<tr>
<td>Boston Consulting Group Consultant Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>DAI Deputy Team Leader Bukavu South and North Kivu</td>
<td></td>
</tr>
<tr>
<td>Deloitte Consulting Strategy and Operations Consulting Analyst Auckland, New Zealand</td>
<td></td>
</tr>
<tr>
<td>DNV GL Senior Energy Analyst Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>DNV GL Sustainability Consultant Oakland, Calif.</td>
<td></td>
</tr>
<tr>
<td>Energy and Environmental Economics, Inc. Associate Consultant San Francisco, Calif.</td>
<td></td>
</tr>
<tr>
<td>High Noon Advisors Consultant Berkeley, Calif.</td>
<td></td>
</tr>
<tr>
<td>Industrial Economics Associate Cambridge, Mass.</td>
<td></td>
</tr>
<tr>
<td>Innosight Associate Consultant Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>Meister Consultants Group Fellow Boston, Mass.</td>
<td></td>
</tr>
<tr>
<td>Navigant Consulting Senior Consultant Folsom, Calif.</td>
<td></td>
</tr>
<tr>
<td>Next Level Consulting Educational Consultant Nanjing, Jiangsu, China</td>
<td></td>
</tr>
<tr>
<td>RLR Consultants Associate Englewood Cliffs, N.J.</td>
<td></td>
</tr>
<tr>
<td>Roux Associates Staff Assistant Environmental Scientist Woburn, Mass.</td>
<td></td>
</tr>
<tr>
<td><strong>PRIVATE SECTOR: BUSINESS, INDUSTRY, AND LAW</strong></td>
<td></td>
</tr>
<tr>
<td>Aletheia, LLP Partner Washington, D.C.</td>
<td></td>
</tr>
<tr>
<td>Apple Environmental Analyst Cupertino, Calif.</td>
<td></td>
</tr>
<tr>
<td>Arctas Capital Associate Houston, Texas</td>
<td></td>
</tr>
<tr>
<td>Cain Pacific, LLC Vice President-Development Portland, Ore.</td>
<td></td>
</tr>
<tr>
<td>CleanTech Marketing Group Marketing Manager San Francisco, Calif.</td>
<td></td>
</tr>
<tr>
<td>Climate Focus B.V. Research Fellow Washington, D.C.</td>
<td></td>
</tr>
<tr>
<td>Enesa Energia New Business Manager Mexico City, Mexico</td>
<td></td>
</tr>
<tr>
<td>Equilibrium Capital Consultant Portland, Ore.</td>
<td></td>
</tr>
<tr>
<td>ExoNova Founder and Managing Partner Buenos Aires, Argentina</td>
<td></td>
</tr>
<tr>
<td>Nippon Steel/Sumikin Research Institute Researcher, Environment and Energy Department Chiba, Japan</td>
<td></td>
</tr>
<tr>
<td>Opower Client Associate - Rotational Program San Francisco, Calif.</td>
<td></td>
</tr>
<tr>
<td>OrderAhead Operations Analyst San Francisco, Calif.</td>
<td></td>
</tr>
<tr>
<td>Palate App Co-founder and Developer San Francisco, Calif.</td>
<td></td>
</tr>
<tr>
<td>Socrata Data Analyst Washington, D.C.</td>
<td></td>
</tr>
<tr>
<td>Sodexo Sustainability Support Specialist Bethesda, Md.</td>
<td></td>
</tr>
<tr>
<td>SSG Advisors Project Analyst Burlington, Vt.</td>
<td></td>
</tr>
<tr>
<td>Stumptown Coffee Roasters Sourcing Relationship Manager Portland, Ore.</td>
<td></td>
</tr>
<tr>
<td>SunEdison Manager, Corporate &amp; Finance Projects San Francisco, Calif.</td>
<td></td>
</tr>
<tr>
<td>Sungevity Solar Consultant Oakland, Calif.</td>
<td></td>
</tr>
<tr>
<td>Terrapin Bright Green Consultant New York City, N.Y.</td>
<td></td>
</tr>
<tr>
<td>Weyerhaeuser Analyst - Valuation and Acquisition Specialist Seattle, Wash.</td>
<td></td>
</tr>
</tbody>
</table>

### Employment for 2014 Graduates Who Received a Ph.D.

<table>
<thead>
<tr>
<th>University/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>American University Washington, D.C.</td>
</tr>
<tr>
<td>Colby College Waterville, Maine</td>
</tr>
<tr>
<td>Fluidigm Corporation San Francisco, Calif.</td>
</tr>
<tr>
<td>Indiana University Bloomington Bloomington, Ind.</td>
</tr>
<tr>
<td>Iowa State University Ames, Iowa</td>
</tr>
<tr>
<td>Iowa State University, Department of Economics Ames, Iowa</td>
</tr>
<tr>
<td>University of Arizona, School of Government &amp; Public Policy Tucson, Ariz.</td>
</tr>
<tr>
<td>University of Michigan, School of Natural Resources and Environment Ann Arbor, Mich.</td>
</tr>
<tr>
<td>University of South Carolina Columbia, S.C.</td>
</tr>
<tr>
<td>Universitas Tanjungpura Indonesia</td>
</tr>
<tr>
<td>University of Toronto, Department of Political Science Canada</td>
</tr>
<tr>
<td>University of Wisconsin-Madison School of Human Ecology Madison, Wis.</td>
</tr>
</tbody>
</table>

*This data was collected by the F&ES Career Development Office.*
Help Recruit the Next Generation of F&ES Alums!

Our alumni are the best ambassadors for the Yale School of Forestry & Environmental Studies. The Admissions Office is looking for alumni to assist with recruiting talented F&ES students from around the world.

Thank you to the many alumni who already support efforts to recruit top candidates!

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/alumni event.
• Help set up a recruiting event at an academic institution/organization you are affiliated with.
• Provide the names and contact information of anyone you think might be interested in F&ES to the Admissions Office; staff will follow up.

Thank you for considering supporting F&ES recruitment efforts!

View the admissions events calendar: apply.environment.yale.edu/register/?c=&country=

To volunteer, contact the Admissions Office: fesinfo@yale.edu

Learn more: environment.yale.edu/admissions

Making a Career Move?

F&ES Next is an online tool that allows alumni to create a unique career profile, manage documents, and view and apply to jobs. F&ES alumni and current students have easy access to view jobs and internships. If you are on the job market, this is a great opportunity to track new postings and get your resume in front of employers. Over 700 alumni have created accounts so far. Set up a profile: environment.yale.edu/alumni/careers

Does Your Organization Need F&ES Talent?

Post Jobs and Internships to Students and Fellow Alumni

Alumni forward hundreds of jobs and internships to the Career Development Office each month. If you are aware of a position that would be of interest to our students or alumni, feel free to forward it to CDO Director Ladd Flock at ladd.flock@yale.edu. He will post it in F&ES Next for review by current students, recent graduates, and alumni.

Review and Share the F&ES Student Resume Book

Share a PDF of current F&ES student resumes with colleagues and hiring managers. For a copy, contact CDO Assistant Director Alyssa Student at alyssa.student@yale.edu.

Learn more: environment.yale.edu/careers

Class of 2017 Student Profile

• 164 students
• 26 U.S. states
• 31% international, from 25 countries
• 10% dual citizens (U.S./another country or two non-U.S. countries)
• 15% U.S. minority

Top areas of interest:
1. Energy and environment
2. Human dimensions of environmental management
3. Environmental policy analysis
4. Business and environment
FROM THE OFFICE OF:
DEVELOPMENT AND ALUMNI SERVICES

The Development and Alumni Services team connects our alumni to each other and F&ES through annual Reunion Weekends, regional events and receptions, student mentoring, alumni campus visits, an alumni speaker series, publications, networking opportunities, and student scholarships. Our office, located on the second floor of Sage Hall in Room 20, is here as a resource and a base for alumni and friends of the School who come to campus for a visit.

Learn more: environment.yale.edu/alumni

SAVE THE DATE:
2016 Reunion Weekend
October 7–9!

CONTACT INFORMATION
Tim Northrop ’03 M.E.M., Director
203.432.9361 • tim.northrop@yale.edu
Kristin Floyd ’01 B.A., Associate Director
203.432.5189 • kristin.floyd@yale.edu
Kristen Clothier ’98 B.S., ’01 M.F. Assistant Director
203.432.4511 • kristen.clothier@yale.edu
Brian Gillis ’09 M.Div., Coordinator
203.432.9959 • brian.gillis@yale.edu
Hannah Perez, Coordinator
203.432.9959 • hannah.perez@yale.edu
Emily Blakeslee, Senior Administrative Assistant
203.432.9958 • emily.blakeslee@yale.edu

COMING SOON
ALUMS WILL BE ABLE TO ORDER F&ES SWAG ONLINE!

“Swagger” (verb): To walk in a very confident manner, to walk with a swagger.

The F&ES Swag Project, initiated by the F&ES Alumni Association Board, will soon give alumni and friends the chance to strut their stuff, looking good while promoting the School and its world-wide impact in the fields of forestry and environmental studies. This soon-to-launch project will make it easy for alums to order F&ES t-shirts, sweatshirts, hats, classic dbh t-shirts, infant onesies, and more online!

The project also gives back. A portion of every item sold will be dedicated to an “F&ES Community Fund” that will be available annually to F&ES clubs for student-led projects on campus and in the broader community.

This new project will launch in time for your holiday shopping. Visit environment.yale.edu/alumni to view the selection and link through to this great new resource.

Submit a photo of yourself in F&ES swag around the world — you might end up in CANOPY!

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!

www.facebook.com/YaleFES
twitter.com/YaleFES
linked.com/groups?home+gid+147435

Alum Sarah Guy ’15 M.E.M. during her 2014 summer internship. Sarah worked with Trout Unlimited to protect salmon fisheries in Alaska. Her stay in Talkeetna, Alaska, coincided with the first sockeye run of the year migrating up the Susitna River.