



Williams College
Center for Environmental Studies
FIELD NOTES

Summer 2012

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Director's Note

My son Henry came into the world as Field Notes 2011 went to press, making him a year old as I write these lines. Henry's arrival brought unimaginable joy to my husband and me, while refracting a set of previously abstract commitments through concern for the health, happiness and future prospects of one small but rapidly growing organism. One doesn't have to be a parent to be an environmentalist; in fact, some would say that the most ethical response to humanity's outsized impact on nonhuman nature is not to be a parent at all. But as Sandra Steingraber writes, for those who do choose demographic expansion, "the domestic routines of family life with small children - however isolated from public life they seem - are inextricably bound to the most urgent public health issues of our time." At a time when environmental protection is all too often reduced to a set of consumer choices, Steingraber's *Raising Elijah: Protecting Our Children in an Age of Environmental Crisis* challenges parents to make private anxieties about climate change, toxicity and hydraulic fracturing the basis of a renewed civic engagement with sustainability and environmental justice.



Shaila Seshia Galvin
Postdoctoral Fellow in
Environmental Studies

My transition to parenthood has coincided with a year of transitions at CES - most of them exciting, one bitter-sweet. In fall 2011 we welcomed Professor Pia Kohler to the Center as our resident expert in environmental policy. Specializing in chemicals regulation regimes, Professor Kohler brings an impressive background in policy negotiation and environmental science. She joins Professor Nicolas Howe, a cultural geographer and former Mellon postdoc whose areas of expertise include religion, landscape history and climate change "denialism," as our core faculty in environmental studies. With approximately 35 affiliated faculty members also contributing courses, expertise and support for the Center and its students, the addition of Professors Howe and Kohler has enabled us to substantially expand our academic curriculum and strengthen the majors that were launched in 2010.



Jennifer French with son, Henry

The Ford Schumann Fund for Democratic Studies made possible the presence of two exceptionally distinguished visitors this year, both of them eloquent and outspoken critics of current environmental policies. Bill McKibben spent three days with us in the fall, visiting classes, meeting with students and faculty, and delivering a public lecture that would mobilize more than 200 Williams students to join the demonstration against the Keystone XL pipeline held in Washington, DC, on November 2. In the spring semester we were honored to have Elizabeth Kolbert, *New Yorker* staff-writer and author of *Field Notes from a Catastrophe: Man, Nature, and Climate Change*, teach a non-fiction writing course for CES. Currently working on a book about extinction, Kolbert was honored in 2006 with a National Magazine Award for her reporting on global climate change.

Recognizing the centrality of agriculture to the most urgent issues of sustainability and environmental justice - climate change, toxicity, and hunger - CES has hired Shaila Seshia Galvin as a Postdoctoral Fellow in Environmental Studies, sponsored by the Andrew W. Mellon Foundation. Ms. Galvin brings to the program an important emphasis on environmental issues in the

developing world. Her Ph.D. dissertation in Yale's department of anthropology examines the social ramifications of the organic certification process in Uttarakhand, India.

The close of the 2011-12 academic year marked the retirement of one of CES's most beloved faculty members - Sheafe Satterthwaite, who taught everything from American Transportation History to Women in the American Landscape during his forty-two remarkable years at Williams. "Transformative" and "irreplaceable" are just a few of the words that former students use to describe Sheafe's teaching and its impact on their lives; please see Roger Bolton's tribute beginning on page four.

Those of you who have been on campus recently will have noticed that our once and future home, Kellogg House, has been moved up out of the hollow it previously occupied and now sits some twenty feet off the ground on steel supports. Kellogg will be brought back to earth, hopefully within the next year, and planted in a well-chosen spot near its current location. The site, close to Hollander Hall and the newly-renovated library, returns CES to the heart of the academic campus while providing plenty of room to expand the gardens that have surrounded it in the past.

Working with the architectural firm of Black River Design led by John Rahill '68, the building committee has developed a conceptual plan for an ambitious renovation that will increase the Center's square footage while making it a model of sustainable design, technology and construction practices. The decision to renovate (and substantially expand) a building that dates from the late eighteenth century rather than create a new, purpose-built structure has seemed counter-intuitive to some – and perhaps it is. For those of us involved, however, it is extremely exciting to take up the "greening" of this dearly-loved building by integrating cutting-edge energy and water systems into its venerable old frame. We see our work as providing a much-needed model of how the clapboard houses that are such an integral part of the New England landscape may be updated and preserved for future generations. For more details about the transformation of Kellogg, please see the website our friends in the Zilkha Center have set up, <http://sites.williams.edu/kellogg/>.

It's always wonderful to hear from CES alumni and learn about the good work you do. Those who wish to get in touch can reach me at jfrench@williams.edu.

With best wishes,

Jennifer L. French
Associate Professor of Spanish
Director, Center for Environmental Studies

Environmental Studies Senior Awards



Assoc. Prof. Pia Kohler presents
Hardie Award to Lauren Goldstein-Kral '12



Sara Dorsey, Lauren McDonald,
Lauren Goldstein-Kral

Lauren McDonald '12, an Environmental Science major, was awarded the **Rosenburg Prize** in Environmental Studies for outstanding scholarship and potential for solving local, national, and international environmental problems.

The **Thomas Hardie III Memorial Award** for the best student work in Environmental Studies was awarded to Lauren Goldstein-Kral '12 for her paper "Cleaning the Air We Breathe: Science and Policy Recommendations to Reduce Concentrations of

Secondary Organic Aerosols.” Lauren double majored in Environmental Science and Biology. Her paper is posted on the CES website at: ces.williams.edu/?page_id=161.

The **Scheffey Award** for outstanding environmental accomplishments, activism and leadership was presented to Sara Dorsey '12, an Environmental Studies concentrator and a Biology major.

Highlights of the Year

CES' popular Log Lunch program hosted a dynamic and varied cast of 20 speakers this year, ranging from a solar and wind energy developer, an alum architect working in Katrina-damaged New Orleans communities, an alum working on farmland protection with Vermont Land Trust, a reading by an author of a book about small scale goat farming, an urban garden developer from NYC, and a state representative from the Berkshire region. Full summaries and photographs from all of our Log Lunch talks for the year may be found on the CES website at ces.williams.edu.

Log Lunches

Fall Semester

Testifying Before Congress: A Bridge Between Science and Policy, Jim Carlton, Director, The Williams-Mystic Maritime Studies Program

Not A Drop to Drink?: Coca-Cola's Water Wars in India, Michael Blanding, author of *The Coke Machine: The Dirty Truth Behind the World's Favorite Soft Drink*

Climate Migration: A Security Issue for the North Atlantic?
Greg White, Professor of Government and the Elizabeth Mugar Eveillard '69 Faculty Director of the Global Studies Center Smith College

A Walk Outside: Therapeutic Recreation in Bozeman, Montana, Olivia Delia '12

Growing Food and Community in Seattle: Lettuce Link and Beyond, Andrea Lindsay '13

Creating the Next Generation of Environmental Activists, Murray Fisher, Founder and Program Director, The New York Harbor School

Conservation and Community Engagement: Hoosac Range, North Adams, Massachusetts, Tad Ames, President, Berkshire Natural Resources Council

Environment, and Community, Will Conklin, Program Director, Greenagers, Gt. Barrington, Massachusetts

Socially Responsible Investing and Shareholder Activism – How Some Investors Seek to Render Corporations More Environmentally Sustainable, Leslie King, Associate Professor in Sociology and Environmental Science and Policy, Smith College, Department of Sociology and Environmental Science and Policy Program

Promoting Urban Sustainability through the Lens of Agriculture, Laurie Schoeman, Director, New York Sun Works

Recycling and Renewing Kellogg House, David Dethier, Edward Brust Professor of Geology and Mineralogy, Williams College

It Takes a Village: Raising Children in a Healthy Environment, Sarah Rosenberg '14

Eating Local: A Summer with Berkshire Grown, Anthony Raduazo '12

Current Environmental Legislation on Beacon Hill, Gail Cariddi, State Representative, North Adams, member, Joint Committee on Environment, Natural Resources and Agriculture



Lucy Rollins '12 and Susannah Emerson '12, Log Lunch Chefs



Log Lunch Speaker Don Campbell '83 with Duncan Campbell '50

Spring Semester

Vermont Energy Parks: A Solar, Wind, and Environmental Asset, Gabe Selig, President, Southport Power, LLC

The Three C's: Climate, Carbon, and Conservation, Todd Holland, Energy Conservation Project Manager, Williams College

Take It to the Gas Station: Art, Design, and Vulnerability on the Gulf Coast, Aron Chang '05, Architectural Designer, Waggoner and Ball Architects

Reforming Landscape Architecture by Practicing the Liberal Arts, Nina Antonetti, Assistant Professor, Landscape Studies, Smith College

Conserving Working Farms and Forests in Vermont, Donald Campbell, Southwest Regional Director, Vermont Land Trust

Toward a New American Pastoralism: A Seasonal Life, a Short History of Herding, and the Art of Making Cheese, a discussion with Brad Kessler, author of *Goat Song*

Why Do We Think That Local Food Is Healthy Food? Hanna Saltzman '12



Log Lunch speaker Hannah Saltzman '12 and Nick Howe

Williams Bids Adieu to Sheafe Satterthwaite

An Increased Appreciation for Ambiguity Through the Juxtaposition of Disparate Elements

By Roger Bolton, William Brough Professor of Economics, Emeritus
Williams College, Economics Department with
Henry Art, Rosenburg Professor of Environmental Studies and Biology
Williams College Biology Department

“It is a great art to saunter.” (Thoreau, Journal)

“Landscapes have a history, just as humans do, and much of their history is the history of what people do. ... All people can learn to be historians of their home ground.” (Jan Albers, *Hands on the Land: A History of the Vermont Landscape*)

“An increased appreciation for ambiguity through the juxtaposition of disparate elements...” That’s how Sheafe Satterthwaite began his statement of what he wanted students to come away with from the newly launched interdisciplinary E.S. 350: Perspectives on Environmental Analysis, in the spring of 1971. It conveys well Sheafe’s philosophy in his 44-year career at Williams, a career that ended in June. While we earnestly hope he will “be around” the Center for years to come, we take this opportunity to pay tribute to his gifts to us so far. He has been influential in the education of environmental studies students, and many other students, at Williams, and indeed the education of his faculty colleagues. He has been one of the most remarkable members of our community.

Recently Lizzy Kildahl, '14, recalled that Prof. E. J. Johnson once told her, “The great thing about Sheafe, both as a teacher and a human being, is that to him everything and everyone is interesting.” Lizzie also mentioned three things about Sheafe’s teaching: he insists that “students ask ‘dumb’ questions; his teaching method in which digressions are the point, not a useless amendment; and his sharing of students’ essays with the entire class in bound volumes, with the idea that we may learn more from one another than we do from him” [1]. In 2006 Sheafe told students: “I am ... interested in inculcating ... a certain kind of academic personality: given to inquiry; given to discussion and disputation and argument; comfortable with self expression” [2]. Sheafe came to Williams in 1968 as a Research Associate in Environmental Studies, very soon after CES was born. He worked with President Sawyer, Andy Scheffey, and others to develop the missions of the new center. A notable achievement was his *Leisure Homes in the Berkshires*, published by CES in 1969. It combined extensive research and fine prose, and touched on topics ranging from real estate finance to unreliable septic tanks. It is still worth reading today. He also helped plan a conference, “The Corporation and the Environment,” at Mt. Hope Farm in 1968, a gathering of really quite illustrious public, business, and academic leaders. Sheafe helped Roger Bolton write a report on it, also published by CES in 1969. Sheafe became Director of Publications for CES. In that early period of our history a lot of our work, including Sheafe’s, reflected the idea that the Berkshires were part of a “metropolitan hinterland.”

Sheafe was no wet-behind-the-ears fellow in 1968. He had grown up in New Jersey, graduated from the Putney School in Ver-

mont and the University of Virginia (“Mr. Jefferson’s academical village,” he called it, or sometimes, “The University”). He had worked for Wildlife Preserves, a land preservation organization, and occasionally was a chicken farmer. Some of the work for Wildlife Preserves was in North Carolina, and he wrote a book, *Smith Island and the Cape Fear Peninsula*, with forest ecologist Arthur Cooper [3]. (Later Sheafe took a leave from Williams in the spring of 1970 to teach in North Carolina State University’s landscape architecture department.)

Although he never obtained advanced degrees, he was appointed to the faculty in the Art Department in the fall of 1970, and began to teach his signature course, Art 201/Environmental Studies 201: American Landscape History, identified with him ever since. It became a key course in CES’s curricular program, and for many years it was required (along with a course on ecology and the introductory course in economics) for the “coordinate program” in environmental studies. Gradually he added other courses—that’s an understatement, as eventually he developed a total of seventeen different courses, covering topics like campuses, cities, suburbs, dwellings, transport history, and agricultural history, and documentary film. Many but not all were listed under both Art and Environmental Studies. Except for a few years at the beginning, he was a Lecturer. He regularly taught Art 101-102 conference sections in the later years. As we read on the Art Department web site, “A major focus of [Sheafe’s] courses is the spatial or visual impress [on environments] of the constituent elements designed and re-designed by human action, be they road or lawn or dwelling, and the evolution or layering of these forms. ... No course of his veers far from the documentary instinct, whether photographic, written, or oral” (accessed May 22, 2012).



Harry Kangis '72, Dave Blanchard '72, Carl Reidel, Sheafe Satterthwaite, and in background Jim Cornell '72 on ENVI 350 Field Trip to Fire Island April, 1971.

Some of Sheafe’s most notable teaching has been in encouraging talented students in work that was not “academic” in the usual sense. We mention only two examples, and apologize for not including any of the scores of others. He advised Mark Livingston, '72, who drew the wonderful detailed and annotated Portraiture of Stone Hill, copies of which still adorn the Center’s home and, probably, the homes of some alumni from the period (published by CES, 1972). It originated in conversation with Sheafe and in an Art 201 project. In Mark’s own words: “My experience typified the sense of a blank check drawn on his [Sheafe’s] time, the painstaking, ever thoughtful attention, and the polymathic wealth of knowledge that I’ve watched Sheafe lavish on his students one after another over the years: a whorl of learning synergy” [4]. Sheafe also influenced Bill Carney, '70, who wrote *Man, Land: Williams College Center for Environmental Studies: The First Two Years* (CES, 1969) [5]. Sheafe also frequently taught E.S. 350, mentioned above, which for some years was required for the coordinate program. He taught the very first version of the course in the spring of 1971, along with Hank Art, Roger Bolton, and Carl Reidel, who with Sheafe set out as a team to educate themselves along with the students. In later years Sheafe taught it jointly with other faculty members, including Hank, Roger, and the economist Bob Schneider. One year he joined Hank and Roger in teaching the environmental planning workshop.

We have always been thankful for Sheafe’s constant urging that the Williams environmental studies program include substantial content on urban life and built environments. He was eagerly interested in, and deeply respected, students’ concerns with wilderness and other natural environments, the love of nature, and natural sciences, but often he worried the Center overemphasized those sorts of things. Sheafe always wanted to broaden “environment” to include buildings, roads, human communities, cities. On the Art Department web site we find: “[Sheafe] explores in his courses a wide swath of (mainly North American) environments, ranging from innermost cities to wilderness (itself a human artifact with costumes and regulations and conceptualizing?).” The question mark is the most important part of the sentence. His courses have often included extensive field trips to nearby cities (a lot bigger than North Adams or Pittsfield!). Some courses had enrollment limits dictated by how many students college vans could hold.

During June’s Alumni Weekend, Hank and Pam Art hosted a grand dinner for Sheafe and many former students, some of whom helped Hank organize the event.

Notes:

1. Letter to Williams Record, May 2, 2012, available at <http://thewilliamsrecord.com/2012/05/02/a-teacher-not-a-professor/>.
2. Sheafe’s personal history distributed to Art 201 students in 2006, available at http://wso.williams.edu/wiki/index.php/Sheafe_Satterthwaite. Along with Hank and Roger’s personal memories, it is the basis for other factual information in this article.
3. Arthur Cooper and Sheafe Satterthwaite, *Smith Island and the Cape Fear Peninsula: A Comprehensive Report on an Outstanding Natural Area*, Wildlife Preserves, Raleigh, North Carolina, 1964, in cooperation with the North Carolina Academy of Sciences.
4. Letter to Dean William Wagner, January 28, 2011, available at <http://sheafesatterthwaitewilliams.blogspot.com/2011/02/letter-from-mark-livingston-75.html>, accessed May 25, 2012.
5. Appreciations from many students can be found on the blog: <http://sheafesatterthwaitewilliams.blogspot.com/search?updated-max=2011-01-17T08%3A59%3A00-08%3A00>.

Hopkins Memorial Forest

By Andrew Jones, Hopkins Memorial Forest Manager

Beyond the Trees: Farms, Fields and Slash in Hopkins Forest...

Say you decided to take a trek in Hopkins Forest, from the Hoosic River to the Taconic Range, what might you encounter along the way? Along with the thousands of maples and beeches; thickets of barberry and honeysuckle; lines of old stone walls and wood roads; and courses of streams and gullies, you might just happen upon some open areas, where the sky is visible, the plants low and the views long. These few treeless clearings, which amount to less than two percent of the land area in Hopkins Forest, are being managed to restrain the persistent forces of natural succession that are so much a part of our New England Landscape. These islands of openness give an insight into what much of this land and its fauna might have resembled during Colonel Hopkins' time.

On the banks of the Hoosic River lies the Wire Bridge Farm, which became part of Hopkins Forest in 2004. There Joel Burrington can be seen on his tractor cutting hay to supply his Pownal, Vermont dairy farm. Though the bush hog has replaced the scythe with the advancement of cultivation technologies, hay has been grown as a source of winter forage for livestock since the founding of Williamstown and, indeed, for centuries longer elsewhere. Before the liquidation of the Buxton Farms in 1924, many acres in what is now Hopkins Forest were devoted to his practice. Hayfields appear to be rather homogenous, supporting mostly timothy, orchard and other old world grasses accompanied by legumes, such as alfalfa. Occasionally other herbs and wildflowers dare to poke through this sea of green, but these are soon dispatched by one of the semi-annual hay cuttings. Meanwhile, the spring arriving animals –bobolinks, savannah sparrows, killdeer and wood turtles – quickly flee at the passing of the tractor.



Contractor Marshall Squier begins work on an early successional clearing atop the Taconic Range

A little higher up, surrounding the Forest's main weather station, is a three acre field that is partitioned into 24x24 meter plots with smaller, flagged subdivisions. Visit in late summer and you are certain to see an array of color featuring yellows of goldenrods and purples of meadow asters. A closer look reveals more variety: sedges and rushes amidst the grasses and the emergence of some woody seedlings and multi-flora rose bushes within the mix. Just above, the sky is filled with tree swallows chasing bugs, including abundant red-admiral butterflies, and broad winged hawks soaring in search of meadow voles. This modicum of biodiversity, a small upgrade over the hayfield below, demonstrates the effects that two or three years of benign neglect can have on field. However, the tractor will soon be back to mow certain plots and leave others, and return later to cut some of the remaining plots. The goal here is to investigate the effects that various management regimens -- early versus late and annual versus biennial mowings – have on the diversity and abundance of meadow wildflowers. In addition, Professor Joan Edwards and her student assistants will document how the insects that pollinate these flowers respond. Studies such as this could inform management guidelines for land-owners who are interested in optimizing both diversity and open views on their properties.

High atop the crest of the Taconic Range, just into Vermont, the hiker enters an open swath where trees are strewn about as if a tornado has just blasted through. A closer look reveals clean cuts through the stumps that dot the site, indicating that these trees have been intentionally cut, though the logs have been left behind. This five acre swath of apparent destruction has drawn the attention of many hikers who wonder at the motives of such actions. What they may not realize is that, in the middle of the 20th century, much of the Taconic Crest was open and maintained in a largely treeless state by local residents. Some areas served as pastures for sheep, which could easily access the rocky rugged slopes. On other sites, locals periodically burned brush to promote the growth of blueberry bushes that thrive on the sunny, nutrient-poor slopes of the Taconics. Such practices left a legacy, still visible today, of open glades and savannahs dominated by ferns, sedges, steplebushes, chokeberries, blueberries and azaleas growing among widely scattered maples, oaks and cherries. Our goal in clearing this area (with support from the U.S. Department of Agriculture) is to restore some of those open conditions of the past and provide habitat for species that have largely disappeared or declined -- including the green snake, eastern towhee, mourning warbler and perhaps the elusive New England cottontail.

So the next time you approach a clearing in Hopkins Forest, stop and take a moment to look and listen for what might be about in this, a vestige of an earlier time in Hopkins Forest.

Environmental Planning (Envi 302)

By Sarah Gardner, Associate Director, Center for Environmental Studies and Lecturer in Environmental Studies

Environmental Planning (Envi 302) students work in small groups on planning projects for clients and organizations in the Berkshire region. Students in this class get out into the community and become involved with local residents, projects and issues. The fall 2011 project sites were in North Adams, Pittsfield and Pownal, Vermont. The projects are listed below. The reports and Powerpoint presentations may be viewed on the CES website (ces.williams.edu) under "Publications and Resources."

"A Walkability Study of North Adams, Massachusetts." Client: Mackenzie Greer, Planner, Berkshire Regional Planning Commission. By Johanna Eidmann '13, Alex Long '12, Clara Noomah '13 and Emily Ury '13.

"Local Food Study of Northern Berkshire County." Client: Amy Kacala, Senior Planner, Berkshire Regional Planning Commission. By Aaron Freedman '12, Sara Dorsey '12 and Brandon Abasolo '13.



Mackenzie Greer, Alex Long, Johanna Eidmann, Emily Ury, Clara Noomah, Sarah Gardner

"All I Eat is Steak and Vegetables! A Morningside Neighborhood Food and Agriculture Study." Clients: Anthony Barnaba, Blue-line Design and Kim McMann, Berkshire Community Action Council. By Christopher Cameron '13, Claire Lafave '12, Kyle Martin '12 and Carrie Tribble '13.

"Repurposing the Green Mountain Racetrack." Clients: Frank Cantatore and Chic Paustian, Progress Partners. By Wade Davis '13, Chad Lorenz '13, Julio Luquin '13 and Evalynn Rosado '12.

Campus Environmental Advisory Committee (CEAC)

By Dieter Bingmann, Associate Professor of Chemistry

Williams College, with its small residential campus, presents an ideal environment for car-free transportation. By far the most common mode of transportation on campus is walking, but facing time pressures, students, staff, and faculty switch to cars for trips on campus, for example to get from class or lab at 3:50 to practice on Cole Fields at 4pm.

Bicycles constitute a perfect match for this small campus, offering both quick and easy access to any site on campus and door-to-door transportation in minutes. So, why are bicycles not used on campus during those times when quick, short-distance transportation is needed? A recent study points at two main reasons: About 80% of students state that they either have no bicycle on campus and if they do, that they have no good place to store it, so the bicycle often disappears, inaccessible in some basement.



To resolve this problem and to encourage the use of bicycles on campus, CEAC this year conducted a survey of the bicycle parking on campus, only to discover mostly incorrectly installed bicycle racks of poor quality, and recommends the installation of high-quality covered bicycle racks on campus as part of Williams' sustainability initiative. To address the lack of students' access to bicycles, CEAC furthermore proposes to use these bicycle racks as a decentralized jump-off location to implement a bicycle rental program on campus.

Student Organizations

Williams Sustainable Growers by Jacob Addelson '14

The 2011-2012 academic year was another great year for the Williams Sustainable Growers. Again we worked in the Parsons Garden and the Presidential Garden, growing lettuce, carrots, squash, onions, bok choy, kale, herbs, potatoes, tomatoes, peppers, arugula, spinach, basil, and the list goes on and on. The food we grew ended up in Dining Halls, Log Lunches, the WRAPS program, as well as our own stomachs. We brought some local Williamstown students to work in the garden as part of an after school program and we worked with the committee planning the construction of the new Kellogg House.

We also expanded the dialogue of food issues on campus, contributing to Food Day in October, running several events including a film screening of Food Inc., and several of our members have been instrumental in forming a new student group that explicitly addresses issues arising from students' relationship with the food they eat. That new project was launched in an effort to work with Dining Services to bring more local, sustainable, ecological, and fair-labor foods to our dining halls. In all, a great year for farming, and we look forward to continuing on through the summer and into next fall!



Parsons Garden

Purple Bike Coalition by Erich Trieschman '13

The Purple Bike Coalition is a student-run bike repair shop located on the first floor of Mark Hopkins in Greylock Quad. Funding, provided by the CES, covers components, tools and four man-hours per week. Services are available to all Williams students, faculty and staff. This year we repaired about 5 bikes a week with problems ranging from flat tires to broken derailleurs. While repairing bikes, we make an effort to educate those who are curious and interested. We recently installed a bike pump and Allen key outside of the shop to give the campus access to basic tools.

Looking forward we expect our demand to increase. We have worked hard to get the PBC name out on campus and are looking forward to collaborating with other college organizations to run a successful bike share program next year. We believe the PBC is playing an increasing role in bike use, maintenance, safety and culture on campus.



Purple Bike Shop

Thursday Night Group by Vera Celelski '13

In the fall, Thursday Night Grassroots helped send students to Washington, D.C. for the Keystone XL pipeline protest. Around 100 Williams students attended the protests, in opposition to the proposed construction of a new oil pipeline from Canada's Tar Sands. We also purchased additional drying racks for students to use to save energy, and hosted a TNG tailgate at Homecoming. Larry Gibson, President of Keeper of the Mountains Foundation, came to campus to speak about mountaintop removal. This spring, we focused on organizing a great Earth Week celebration, a week full of speakers, films, and the traditional Do It In The Dark energy competition. In collaboration with Dining Services, we also had several sustainably sourced dinners throughout the week. The Bring Your Own Cup party was a success, and we hosted a musical coffeehouse featured student performers.



Keystone XL Protest

CES-Supported Internships and Research Projects, Summer 2011

Thanks to the generosity of several donors, the Center for Environmental Studies is able to provide, on a competitive basis, funding to students that allows them pursue environmental research, internships and creative projects during the summer. Below are brief summaries of the summer 2011 projects supported by CES.

Olivia Delia '12

Last summer I spent nine weeks living in the town of Bozeman, Montana, working at the Eagle Mount therapeutic recreational center. I had the pleasure and honor of assisting four separate programs that each offered a unique outlet to physically empower and engage individuals with disabilities. Though I was technically the aquatics intern, I additionally helped out in the equine therapy program, the Adventure Days program for young people and adults with developmental disabilities, and two sleep-away camps for children with cancer and their families. I miss bringing kids out kayaking and mountain climbing, and hope to return to Bozeman in the coming summer to wrestle with some mountain lions and visit friends at Eagle Mount!

Elizabeth Dorr '12

Last summer I interned at the Western Reserve Land Conservancy (WRLC) in Chesterland, Ohio. WRLC works to preserve land across all of Northeastern Ohio by purchasing development rights through conservation easements or fee title acquisitions. The properties conserved through the WRLC range from natural areas to agricultural lands to urban parks. Their work is integral to creating a better, healthier, and more sustainable community in Ohio by building parks, creating jobs, and maintaining the natural resources and rural character of the land. I worked closely with the



Olivia Delia with campers

public funding team to secure matching funds for purchasing conservation easements for a variety of projects this summer. I updated and expanded their grant database and created a key to better match projects to potential funding sources. This work is becoming increasingly important in this economic climate, as the pot of federal and state money available for conservation shrinks. I also got out of the office for five weeks to run “Camp Newbury,” an outdoor camp at a trustee’s preserved property. I developed an environmental science and outdoor camp curriculum for kids aged seven to twelve. Throughout the summer we helped build trails, canoed, swam, fished for small mouth bass, and learned all about the native plants, wildlife, and geology of the region. My internship was an amazing experience, especially because I was exposed to not only the environmental aspect of conservation work but also the inner workings of a successful non-profit organization. WRLC is doing such great things in my community, and it was exciting to be a part of it for the summer.

David Gold ‘12

My research project is titled “Developing an Epistemology of the Environment,” and I began it torn between at least two dimensions of investigation. During the first phase, which lasted about five weeks, I studied a fascinating intersection of philosophy of mind, cognitive science, epistemology in an attempt to familiarize myself with the philosophical issues surrounding the problem of interaction between the conscious epistemic subject and her “environment,” where the latter notion is construed quite broadly. I also became enchanted with the metaphysics of the environment and the metaphysics of time. At certain points the two directions overlapped in unlikely places. For instance, Einstein’s theory of relativity turned out to be something of a common denominator, since it both overthrew certain preconceived metaphysical assumptions about the nature of space and time (metaphysics of the environment) and also incorporated the notion of a “frame of reference”—a potentially mentalistic concept—into its formalization (metaphysics of consciousness). In the second phase of my project I had the good fortune to drop most of what I had been doing and travel for a month in California and Alaska, keeping on with my philosophical investigations. I went on two solo backpacking trips, one in Sequoia National Park, California and one in Denali National Park, Alaska. During that time I developed some neat thoughts on wilderness philosophy and epistemology, including some heavy reflection on Kant’s conception of judgment. In both Sequoia and Denali I was exposed to awesomely vast landscapes, and this got me thinking a lot about the vastness of space and of time as a unified condition of the environment. Then I flew home to New Jersey and in an unexpected fit of inspiration wrote my project’s essay on God and nature in Descartes’ Meditations on First Philosophy.

Andrea Lindsay ‘13

I spent last summer as an intern with Lettuce Link, a nonprofit program which creates access to fresh, nutritious produce, seeds, and gardening information for lower income families in Seattle. As a program of Solid Ground, a relatively large nonprofit agency dedicated to ending poverty and fighting institutional racism, Lettuce Link works directly at the intersection of sustainable agriculture and social justice. I worked in a variety of program areas, from children’s gardening and nutrition education, to publicity and outreach, to fundraising, and also participated in the agency-wide Anti-Racism Initiative. I also experienced two urban farm sites managed by Lettuce Link, where volunteers grow food either for work-trade shares or for donation to nearby food banks. Lettuce Link was the perfect place for me to pursue my passion for connecting sustainability and social justice work, and to develop the skills to do so in an urban nonprofit setting. I’m extremely grateful for such an amazing opportunity that was truly more than I could have hoped for.



Chad Lorenz, left, in Mohawk State Park

Charles Lorenz ‘13

Remaining on campus for the summer was a pleasurable and rewarding experience. I was fortunate to work for the Hoosic River Watershed Association (HoorWA), based in Williamstown (<http://hoorwa.org>). Lauren Stevens and, then newly appointed Executive Director, Steve McMahon were my effective supervisors and arranged various tasks for me throughout the summer. These tasks ranged from a 10-day volunteer stint in Mohawk State Park with the Student Conservation Association (SCA) to a research project with the Hoosic River Revival (<http://hoosicriverrevival.org>) to working on a Massachusetts-wide stream crossings survey. Not only was I kept busy physically and intellectually, but I was also involved in communicating with various state and federal government agencies such as the Army Corps of Engineers and the City of North Adams. I encountered many issues that I will find in my career path later in life, and I’m happy that my work benefited the local community. Lastly, I would strongly recommend spending a summer at Williams because it is a unique opportunity to experience another facet of the College and the beauty of the Berkshires, while at the same time gaining valuable job or research experience.

Patrick Morrissey ‘12

Last summer I worked for a company that does not yet exist. Sustainable Urban Food Centers LLC (SUFC) aspires to be the company that jumpstarts an urban food revolution. Right now the company’s backbone is a conglomerate of real estate developers, energy providers, food growers, consultants and, of course...one brilliant intern; all actively seeking startup capital. Technically, I worked for phbCatalyst group, the real estate developers and the creators of the urban food revolution. The goal

is to leverage, through sustainable redevelopment and green building, the urban industrial site as a resource to grow fresh produce in close proximity to largely underserved populations. Converting these underutilized urban sites will create centers for food production, on-site energy generation, on-site storm water retention, wholesale food markets and retail food markets. The consensus at SUFC is that there are several impending evolutionary changes emerging in the food industry, including: demand increases, food price increases, intensifying climate change, the “Locavore” Revolution, an epidemic of diabetes and obesity, as well as public incentives/tax credits for localized food production operations. At SUFC, we believe our business model is poised to take advantage of these changes. During this summer of 2011, I have learned that urban food production is inevitable and hope to continue to work with the SUFC team in the future.

Anthony Raduazo '12

I spent my summer interning with Berkshire Grown, a non-profit that promotes local agriculture in Berkshire County. While at Berkshire Grown, I interviewed farmers and consumers in Berkshire County about the local food economy in the county. The information gathered from these interviews will be used to strengthen the Berkshire agricultural community and to direct Berkshire Grown's future initiatives. Throughout the summer I worked with Annette Grant, editor of The New York Times, on a number of articles for Berkshire Grown's website and on one op-ed piece for The Berkshire Trade & Commerce. The internship was an enlightening experience that taught me a great deal about the local food movement and gave me an inside look at the functioning of an environmental non-profit.

Sarah Rosenberg '14

As children, we spend more time in school than anywhere except at home. Whether we like it or not, the school environment shapes our health, habits, and attitudes profoundly. The Healthy Schools Campaign is built upon this insight. And this past summer, with the support of the Center for Environmental Studies, I had the wonderful opportunity of working for them as a policy intern. My work fell into two overarching categories: preparation for HSC's annual Green Clean Summit and researching policy issues to inform recommendations HSC had been asked to offer to the Department of Education in a meeting with Arne Duncan in August. My work on the Summit, which brings together school personnel, cleaning products businesses, health advocates and more, largely consisted of researching, developing and updating written materials to be distributed. I also had the chance to be a part of re-imagining the Summit, from a narrowly focused green cleaning advocacy forum to a more open green schools conference. The bulk of my time, however, went to researching the tentative recommendations for the Department of Education to promote healthy school environments. In particular, I studied school nurse funding models, a challenging research project unlike any I had done before – mostly because there was no written research on the topic. I had to start from scratch, figuring out obstacles and opportunities, calling people, reading legislation directly, and brainstorming new possibilities. Along the way, I came to understand the multifaceted skills required not only to run a nonprofit, but to use it to achieve progress. It was a fantastic opportunity to work and learn, and I'm grateful to the CES for it.

Emma Rouse '14

Last summer I worked as a research assistant in the lab of Dr. Greg Dwyer, a professor at the University of Chicago. The lab studies disease dynamics, particularly in plants and insects. They formulate mathematical models from data they collect and use those models to craft a better understanding of disease dynamics in human populations. I spent two months working with gypsy moth caterpillars. The project was designed to study the effect of a particular virus that infects only gypsy moth caterpillars, an invasive species in North America, and how the virus progresses in a population. The unique behavior of the gypsy moth caterpillars offers us an opportunity to study a specific mode of transmission. When a caterpillar becomes infected with the virus, it will eventually become too sick to move and will die on a leaf. The carcass then explodes, sticking to the leaf. The healthy caterpillars eat around the carcass and walk over it, consequently contracting the virus and becoming a vessel for transmission. We used several different variables, including 16 different strains of the virus, amount of exposure to UV light, and density of the virus. Through extensive field work and lab work, we raised and subsequently infected billions of caterpillars in an effort to collect enough data points to create a mathematical model of the virus progression. I thoroughly enjoyed the field and lab work last summer, and I was intrigued to be part of a project that could advance our knowledge of disease dynamics in not only insect populations, but in human populations as well.

Malik Nashad Sharpe '14

I spent this summer working on the beginnings of an independent project that had been locked in the back of my mind for some time. As a research-creative project combination, I looked at the portrayals of environmentalism in the works of film-maker and animator, Hayao Miyazaki. Often touted as the Japanese equivalent to the west's Walt Disney, all of Miyazaki's films contain high levels of environmentalism built into their frameworks. After extensively researching his works, philosophies and beautifully-written scholarly articles, I embarked on a mission to create my own work that contained portrayed environmentalism without it being fully explicit. I spent a lot of my time thinking, writing, drawing and composing my own newspaper-comic styled graphic novel about two black queer college males who fall in love with each other at a college orientation.

Jackson Saul '13

The Center for Northern Woodlands Education is a non-profit organization with the goal of advancing a culture of forest stewardship in the Northeast and increasing understanding of and appreciation for the natural wonders, economic productivity, and ecological integrity of the region's forests. The award-winning magazine, Northern Woodlands, is generally seen as the crown jewel of its programs but it also advances its message through providing educational resources to classrooms and publishing books

and outside newspaper articles. An internship with the organization has represented an interface between the abstract and functional elements of the environment that has, as funding intended, helped contribute to my serious exploration and consideration of potential environmental careers, particularly environmental journalism and forestry. My work consisted primarily of writing blog posts and an article for the forthcoming fall issue, proposing article ideas to the editorial staff, assisting with the educational branch of the organization and updating of the website, orchestrating part of a fundraising operation, and researching a feature article for the winter issue. The summer work taught me lessons in moderation, balance, compromise, and recognition of complexity. Having read through a significant portion of its catalogue, I developed a sense of familiarization with the philosophy of the magazine as well as with its valuable and intriguing content. Northern Woodlands acknowledges that millions of people in New York, New England and beyond loggers, vacationers, farmers, foresters, sugarmakers, conservationists, preservationists, casual hikers, craftsmen, sawyers, and various combinations of such labels, all value the forest and have a stake in its future, even if for different reasons. If each group envisioned the woods a hundred years from now, they would likely describe roughly the same image. Northern Woodlands embraces and emphasizes such similarities in ideology and common goals to further educate and inspire its diverse audience.

Chie Togami '13

Last summer I had the pleasure of interning at the Appalachian Center for the Economy and the Environment, a non-profit law firm located in Lewisburg, West Virginia. Founded in 2001 by Joe Lovett, this law office's mission is focused on ending the extremely devastating practice of mountaintop removal in Appalachia. One of the most exciting things I did during my internship was take a field trip to the United States House of Representatives, where Mr. Lovett testified in front of the House Committee on Government and Regulatory Reform, Subcommittee on Regulatory Affairs. In preparation for the hearing, I was tasked with the responsibility of reading and summarizing multiple scientific studies. I then used that information to draft a section on the public health impacts of mountaintop removal mining that was later included in Mr. Lovett's official congressional testimony. As the only summer undergraduate intern in this small office, I was afforded the opportunity to have close interactions with attorneys doing the exact type of public service law I envision practicing one day. This internship served to affirm my aspirations to become an environmental lawyer and I am extremely grateful to CES and the donors for making it possible for me to have such an enriching experience.

Cary White '13

Last summer I worked with the Northwest Atlantic Marine Alliance (NAMA) out of Gloucester, MA. NAMA was founded in 1995 when a group of fishermen and concerned members of the public got together to try to conceive a new way of managing the fisheries in the Gulf of Maine. During that time—as still is the case today—fisheries management was filled with contradictions. Scientific data showed that fish stocks were collapsing, yet fishermen were seeing local booms in some of these so-called “over-fished” species; demand for seafood was skyrocketing in America, yet America's fishermen were being forced to sell their catch cheaply to international wholesalers; and lastly the people who had the most say in the fisheries were increasingly those who had spent the least amount of time actually on the water. NAMA's goal is to reverse some of these trends by focusing on the “triple bottom line” approach to business. The triple bottom line is a business model that prioritizes ecological sustainability and social welfare and much as economic profit.

Thank You Andy and Carl, the Structures you Designed are Enduring Still

By Henry Art, Rosenberg Professor of Environmental Studies and Biology
with Roger Bolton, William Brough Professor of Economics,
Emeritus, Williams College, Economics Department

Andrew J.W. Scheffey, the first Director of the Center for Environmental Studies, and Carl H. Reidel, the first Assistant Director of the Center for Environmental Studies, both died within a span of 5 months. Carl died on 3 November, 2011 of a fast-spreading cancer and Andy died on 19 March 2012 of the slow ravages of Alzheimer's.

Andy and Carl, along with then President Jack Sawyer, were the architects of the Environmental Studies Program at Williams and oversaw the early evolution of The Center from an environmental advocacy think tank sponsoring the Berkshire Panel on the Public Environment to a student-focused interdisciplinary curricular entity including students and faculty from all academic divisions across the campus. The interdisciplinary adventure was the broadest in the history of the College.

In the early (1967-1971) years at the Center, Andy, the somewhat patrician, Quaker, internationalist, Williams ('50) and Carl, the street kid from Chicago who earned Forestry degrees through PhD from the University of Minnesota and then went to work for the US Forest Service as a District Ranger in Nevada, worked together as a team. To a large extent they made it up as they went. In designing the first Environmental Studies Program at a liberal arts college in the country, they realized that it had come without a user's manual. Andy the political theorist-philosopher and Carl the pragmatic resource manager, were a complement combing together the attributes of John Muir, Gifford Pinchott, and Aldo Leopold.

They made the Center a vibrant place, even though it seemed overwhelmed at times by its occupation of the Van Rensselaer Mansion with its brownstone portico and grand stairway to the upstairs “offices” with their 12-foot ceilings. The early days of developing the Center were largely funded by the Rockefeller Foundation, whose generosity would come to an end in 1972.

Differences on the vision of the post-Rockefeller funding of the Center between the CES, embodied by Andy and Carl, and the then Williams College administration led Andy and Carl to simultaneously resign in mid-1971. Andy returned to teaching at the UMASS Landscape Architecture and Planning until his retirement in 1988. Carl became a Bullard Fellow at the Harvard Forest in 1971-1972 before founding the Environmental Studies Program at the University of Vermont, serving as its director for 28 years and retiring in 2000.

The Center for Environmental Studies and Environmental Studies Program have evolved over the past 45 years through changing buildings, overturns of faculty and students, and enhancing curricular options. However, the basic floor plan and foundations designed through the leadership of Andrew Scheffey and Carl Reidel have served us well, and we are eternally grateful for your presence and visions. You will be missed.

Alumni Notes

Sam Arons '04

I recently switched over from Google's internal sustainability team to Google's datacenter energy team, focusing on procuring renewable energy for our operations. It's been a fun transition and there's lots to learn! Hopefully at some point I'll be able to report back that we are 100% renewable-powered, but we still have a little ways to go in order to get there :) Otherwise, I was married last August (to Magali Rowan '07) and am still living in San Francisco.

Robert Bendick '68

I continue to serve as national Director of U.S. Government Relations for The Nature Conservancy in Washington. It is a challenging time for conservation and environmental policy, but all the more reason to be involved. The Conservancy's unique network of state chapters allows us to talk to Congress and the Administration from the ground up. Despite opposition, I am particularly optimistic about the growing interest in conservation at the landscape/ecosystem scale. To advance those possibilities, I co-chair a new national Practitioners Network on Landscape Scale Conservation.

Katherine Birnie '00

I am enjoying living in Baltimore and working for Ecosystem Investment Partners. Would love to hear from any Ephs also working in the ecosystem markets field.

Nils D Christoffersen '88

Nils D. Christoffersen is the Executive Director of Wallowa Resources, an organization he joined in 1999 as the first Field Program Manager. Wallowa Resources is a community based



Nils Christoffersen

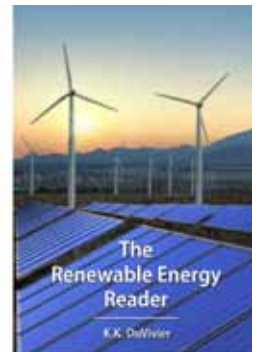
non-profit working to sustain working lands and associated livelihoods in Wallowa County. Over the past 12 years, Mr. Christoffersen has managed the development of Wallowa Resources' watershed stewardship and education programs, as well as their for-profit subsidiary investments in biomass and renewable energy. He has a Bachelor's in Economics from Williams College, and a Master's in Forestry from

Oxford University. His work experience includes 6 years in Eastern and Southern Africa, with an emphasis on community based natural resource management. In 2012 Nils was appointed to the Oregon Board of Forestry. The Board governs the policies and programs that promote environmentally, eco-

nomically, and socially sustainable management of Oregon's 28 million acres of public and private forests. He previously served on the National Commission on Science for Sustainable Forestry (2003-2008). He is also Chairman of Board for the Enterprise School District. Nils is married to Anette Christoffersen. They have two children: Silje (17) and Nikolai (15). Silje has been admitted to Smith College. Mr. Christoffersen has contributed to a variety of publications, including most recently: Christoffersen, Nils D. 2011. "Collaboration: A catalyst to restoration in the Upper Joseph Creek Watershed" in Exploring the Human Dimensions of Ecological Restoration: Integrating Science, Nature and Culture. Egan, Hjerpe and Abrams (Editors). Island Press.

K.K. DuVivier '75

My book, The Renewable Energy Reader, was published by Carolina Academic Press in late 2011. This May another Williams alumnus, Jeff Thaler '74, and I presented at the World Renewable Energy Forum. Our session was titled "Can U.S. Energy Law and Policy Catch Up?" <http://ases.org/conference/> My home in Denver won the Residential-New Construction category of the Colorado Renewable Energy Society's (CRES) 2012 Renewable Energy and Sustainable Design in Buildings Awards. http://cres-energy.org/clips/news_12may15_awd.html Warm regards to my Williams buddies!



Julia Goren '01

I was not actually an ES concentrator while I was at Williams, but I am currently the head of an alpine stewardship program in the Adirondacks. We provide on-site environmental education on New York's highest mountains. (Which means that I get paid to hike and talk to people about really cool plants.)



Julia Goren

Paul Hannon '71

Kelsie Meehan ('11) was our first farm intern here on Butterfield Beef & Berry Farm for 10 weeks during summer 2011. Paul Hannan ('71) and Cornelia Carey welcomed the help as they work toward bringing the Calais, Vermont farm back into

production after 40 years of non-farming caretaker-owners. Kelsie was a big boon toward that goal with duties ranging from tractor driving to chain saw clean-up after a damaging May wind event to prep work in anticipation of blueberry plant-



Kelsie Meehan

ing to pasture rotation for the beef herd. This summer's intern, David Rapp ('13) has a big set of shoes to fill when he starts here in June.

Will Harron '11

I'm working on a sustainable meats farm in beautiful Western North Carolina. I started work last August and I'm moving on to greener pastures this coming August, but until then I'm spending my time living in a shack in the mountains herding cows and trying to herd pigs and chickens. Any Ephs in the area please come visit! (I'm in Fairview, 20 minutes from Asheville.)

Sam Humes '52

Book on history of Belgium is scheduled to be published this fall. Live in Williamstown now after living 33 years outside the states - in The Netherlands, Nigeria, Morocco, Thailand, Canada, and Belgium (the last for 24 years).

Gary N. James '77

To be posted...

Harry Kangis, Williams '72

I concluded three years as Board Chair for the Nature Conservancy's (TNC) Ohio Program, while also concluding eleven years as a program trustee. I was elected to Honorary Life Trustee status, so I will be kicking around there for years to come. I also stepped down last year after serving as Chair of TNC's national marketing advisory board for five years. I continue my work as a strategic planning advisor to TNC's global executive team, where they are using the One Page Strategic Plan® process that I co-founded across the organization (see www.ogsp.org for more info on that). I have also helped the Cincinnati Zoo and Botanical Gardens with their strategic plan for the past three years. Julia and I continue our quest to hike in and photograph all 57 of the US Scenic National Parks, and after visiting the Isle Royale and Voyageurs parks this summer, have only four parks remaining to see.

Jonathan Landsman '05

Hello dear friends and colleagues! I wanted to say that I heard there was a new student garden on Williams campus

started a couple years ago and I was so happy to hear about this, as that was my main activity once upon a time in the garden at Kellogg House. My parents actually were up vacationing in the area last week and drove through town and admired your work. I love your awesome photo blog. I still garden, now getting paid for it as a gardener in the Parks Department of New York City. I do the design and maintenance of two of Brooklyn's more visible garden areas, and lead a group of volunteers and occasional informal classes. If you cross the Brooklyn Bridge into Brooklyn and head west you'll reach my gardens at the Brooklyn Heights Promenade, a 1/3 mile walkway between historic brownstone buildings and the East River. Come an hour before sunset to see the gardens as the sun drop over the Statue of Liberty, head nearby to grab some pizza, and then walk back to catch a spectacular city night-scape.

Ted Lange '88

Over the last five months I've been working with the Cinnabar Foundation and their many constituent organizations all over Montana to launch the new ConserveMontana.org website. The website's mission is to "put a face on conservation" by telling stories of the people behind conservation accomplishments, new initiatives and organizations. My role has been assistant editor, writer, coach and general "content wrangler." The site just went public with over 200 pages of content and it's a great resource for CES students or anyone interested in learning about the incredible range of conservation work happening in Montana. Lots of career niches out there! www.conservemontana.org I've also been doing some transit/bicycle/pedestrian transportation consulting and advocacy. Otherwise, my family and I love living in Montana with its limitless opportunities to experience incredible wild places. At the same time, recent months have been overshadowed by the tragic death of Dave Gaillard ('89), a great conservation advocate and a good friend whose loss is deeply felt on both a personal and professional level by many in the conservation community here in Bozeman and throughout the state. Dave was inspiring in his passion for protecting Montana's wildlands and the joy he took in getting out to recreate in them. Whether I'm paddling a river, skiing in Yellowstone or otherwise feeling inspired and lucky to live here, I think of him often.

Whitney Leonard '08 & Kim Taylor '08

We are both still loving life in Bozeman, Montana. Kim is hard at work on her PhD in ecology and environmental science, which means she gets to spend most of the summer doing research outside in beautiful places. Whitney is getting ready to leave Bozeman and head to Yale Law School this fall, where she will focus on environmental law. While she's sad to leave Montana, she's excited about school and is looking forward to hanging out with other New Haven-dwelling CES alumns including Annie Sullivan ('07) and Caroline Goodbody ('08).

Alice Nelson '10

I am currently in Burlington, Vermont working on my Master's in Geology at the University of Vermont. I frequently go running with my neighbor/Williams CES alum Liz Gleason '08.

Sarah Torkelson (Now Sarah Stickney) '04

My husband and I moved to Portland, Maine, in January, and I am now the Associate Director of Philanthropy at The Trust for Public Land in Maine. The Trust for Public Land is a national

organization that conserves land for people to enjoy as parks, gardens, and other natural places, ensuring livable communities for generations to come. In Maine, we collaborate with local non-profit partners to work on projects ranging from the Bayside Trail in downtown Portland to large landscapes in the Western Mountains of Maine. It's a wonderful place and I'm thrilled to be a part of the organization.

Jared Oubre '08

Jared Oubre has returned from a wonderful experience sharing culture and environmental education in the Dominican Republic as a Peace Corps Volunteer. His service culminated



Jared Oubre with children

in a 5 day trek to the top of the Caribbean's tallest mountain, Pico Duarte, with 5 kids from his local youth group, "Defenders of the Environment." He says, "It was probably the highlight of my two

years as a teacher, mentor, and friend of many youth with few extracurricular opportunities. They taught me a lot about cooking over a fire, rigging back packs out of old rice sacks, and telling slightly exaggerated stories about the adventures of the intense day's climb." The diverse climates and beautiful landscapes kept Jared introducing rural mountain kids to the benefits nature presents us, not the least of which were mango and avocado trees growing wild across the Dominican foothills. Peace Corps and the sharing of the laid back lifestyle on the island has left Jared contemplating how he can continue to share the happiness he felt with fellow Dominicans.

Transitioning back into the ever consuming culture of American society has been alarming, but also a welcomed challenge as he looks to share what he learned about sustainable lifestyles of those humble citizens from developing countries. As of today Jared is teaching and playing at outdoor education on the sandy shores of Lake Michigan. He soon will be studying theology in Boston with the hopes of joining the wonders of spirituality, nature, and kids.

p.s. Attached is photo of me playing water tag game with fun loving Dominican boys at "Superman Conference."

Evan Preisser '93

I'm an associate professor in the Department of Biological Sciences at the University of Rhode Island. I'm currently studying how the hemlock woolly adelgid, an invasive insect that attacks and kills eastern hemlock, interacts with other hemlock herbivores.

Clint Robins '11

I obtained my PADI Divemaster certification this year. I had the chance to assist SCUBA instruction on training dives on the barrier reef in Belize this past March. This summer I will

be working as an intern on the Grizzly Bear Research Project in northern Montana. The project is based out of the USGS Glacier National Park field station and monitors grizzly bear demographics. The project is jointly administered by the USGS and the University of Montana. I have been awarded a Fulbright grant to Malawi for the 2012-2013 academic year. I expect to leave this fall. My research will be focused on threats to wildlife and biodiversity conservation. My Malawi partners are the Department of National Parks and Wildlife, and the University of Malawi.

Liz Rosan (now Liz Rosan Kirkwood) '94

In August, I'm starting a new job in Traverse City, MI as the Director of Flow for Water's Public Trust Policy Center. It's a mouthful and I'm hoping to cut back on the name once I start but it's a very exciting opportunity to integrate the public trust doctrine into all the environmental debates over the Great Lakes. I will let you know more this fall. Sorry for the last-minute alumni update for Fieldnotes!

Alexis Saba '06

I graduated from Cornell Law School in 2011 and have a one-year fellowship at Columbia Law School's Center for Climate Change Law. I am primarily working on two projects that highlight the broad scope of climate change. One is a technical, legal, and financial feasibility study of cogeneration in New York City conducted with Columbia's engineering department. (Congratulations to Williams College for installing a cogeneration plant in 2004!) The second project is a study of the role of science in United Nations climate change adaptation funding in Africa conducted with Columbia's Lamont-Doherty Earth Observatory. I learn a lot every day and am thankful that my first job out of law school allows me such intellectual freedom.



Alexis Saba

Garry Sanders '02

My wife, Carly, and I have been living in Redmond, Oregon now for the past two years enjoying the sun, mountains, and scenery of the Oregon High Desert. We have been spending a lot of time on our new house, especially some raised beds I have been building for veggies. I stole some of the CES garden ideas for raised beds and cold frames to come up with my designs and it is great to plant them right now. I am putting my Williams education and CES experience to use professionally as well, working for the Crooked River Watershed Council. I work with private landowners to develop and implement restoration projects to improve watershed health throughout the Crooked River watershed. Over the past two years I have worked on projects to remove abandoned irrigation diversion dams to improve fish passage, prescribed burns to improve vegetation health in upland areas, instream and riparian restoration projects, and a few fencing and water development projects to improve livestock management. It is always stimulating to work on restoration projects and my position is truly the epitome of multi-tasking. All in all, life here is great and Carly and I will be here for awhile. If any Williams grads are in the area, we have a guest bedroom that is always ready for visitors.

Hilary Williams '01

I am delighted to be moving back to the northeast (after a number of enjoyable years exploring other regions of the country), marrying Mark Walrod (also Williams '01) this summer, and teaching graphic design and digital media at Colby-Sawyer College come fall. Mark and I and our dog, Ella, will be settling into a solar-powered farmhouse in New Hampshire, inheriting twenty-four chickens and a rooster, and finally learning how to garden.

Commencement 2012

This year, as our new majors are phased in, two students graduated with an Environmental Science major, two with an Environmental Policy major, and five with the Environmental Studies concentration.



Back: Anthony Raduazo, Sara Dorsey, Elizabeth Dorr, Claire Lafave, Alex Long, Lauren Goldstein Kral, Lauren McDonald.
Front: Aaron Freedman, Vashti Emigh.

Reunion June 10, 2012



Alison Koppe '07, Sarah Martin '07,
Sara Jablonski '07



Prof. David Dethier and
Justin Bates '07



Prof. Henry Art and Nick Trani '72



John Broadhead and Gina Campoli '77



Dawn Biehler '97 with Alice Day Biehler

CES Faculty and Staff



Manuel Morales, Nick Howe, Sharron Macklin (OIT), Sarah Jacobson, Claire Ting, Pia Kohler, Joan Edwards, Dieter Bingemann, Jay Racela, Drew Jones, David Dethier, Sarah Gardner

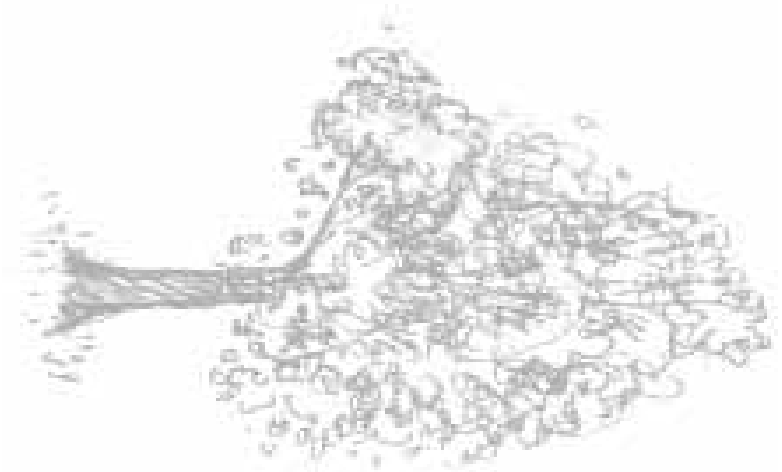
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Drew Jones, Hopkins Forest Manager
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FIELD NOTES, Summer 2011

A publication of the Center for Environmental Studies

The Williams program in environmental studies allows students to focus some of their elective courses in an integrated, interdisciplinary study of the environment—that is, the natural world, both in itself and as it has been modified by human activity. The program provides students with the tools and ideas needed to engage constructively with the environmental and social issues brought about by changes in population, economic activity, and values.

Field Notes is printed on paper containing 30% post-consumer waste.