

# ENVIRONMENTAL CONNECTIONS

## VISITING SCHOLARS ENRICH ENVIRONMENTAL STUDIES

THANKS TO A GRANT from the A. W. Mellon Foundation, the Center invited three visiting scholars to live and work on campus during spring semester. The purpose of the program was to add international perspectives to our environmental courses, conferences and other activities.

Kaggere S. Lokesh, a professor of environmental engineering at the S.J. College of Engineering, Mysore, India, spent the entire spring semester as a guest of the Goodwin-Niering Center. Dr. Lokesh is an expert in water quality and wastewater sanitation issues who established the Environmental Engineering Department at his college. He taught an environmental studies course for Connecticut College students in a Study Away Teach Away program in Mysore in 2008. While visiting the College in 2009 he offered a popular upper-level Environmental Studies seminar, "Water Quality, Pollution and Management." He also participated in the Center Certificate Seminar, the theme for which was water use and conservation, to prepare students to get the most from the April "Water Scarcity and Conflict" conference. Dr. Lokesh attended each seminar session and presented a guest lecture on "Water Scarcity in India: The Problem and Solutions" in which he described his invention, the "Eco-toilet," a waterless human sanitation system. At the conference he spoke about a massive civil engineering proposal to link together rivers in India. Dr. Lokesh engaged fully in the activities of the Center, meeting each week with the directors and even participating in the planning retreat at the end of the semester.

Two scholars were hosted by ethnobotany Professor Manuel Lizarralde, who integrated them into his courses Ethnology of South America, Introduction to



*Dr. K. S. Lokesh, visiting environmental studies scholar from Mysore, India*

Ethnobotany, and Indigenous People's Uses of the Tropical Rain Forest. Like Professor Lizarralde, both visiting scholars have worked with the Matsiguengas, an indigenous people of Peru. Glenn Shepard, an American research fellow at the Museum Goeldi in Belen, Brazil, came in December and again in April. Dr. Shepard has done 20 years of ethno-

botanical work with the Matsiguengas of Peru and is the only outsider who can speak the Matsiguenga language fluently. Maria de los Angeles La Torre-Cuadros, a well known Peruvian botanist who has developed innovative quantitative data analysis techniques to illuminate the way indigenous people use forests, was on campus during March and April. A botany professor at the National Agrarian University in Lima, Peru, her work with the Mayas of Mexico as well as different indigenous peoples of Peru (including the Matsiguengas) provides an important comparison of ways in which different societies use and understand plants.

Thanks to their common interests, a number of new research and writing projects were generated among the three ethnobotanists. Dr. Shepard and Dr. de los Angeles La Torre-Cuadros both attended the water conference as guests of the Center and made many new connections and friendships during their weeks on campus.



*Left to right: Professor Manuel Lizarralde and his guests Dr. de los Angeles La Torre-Cuadros and Dr. Shepard*



GOODWIN-NIERING CENTER FOR  
CONSERVATION BIOLOGY  
& ENVIRONMENTAL STUDIES

Connecticut College  
Box 5293  
270 Mohegan Avenue  
New London, CT 06320-4196  
Phone: 860.439.5417  
Fax: 860.439.2418

E-mail: [goodwin-nieringcenter@conncoll.edu](mailto:goodwin-nieringcenter@conncoll.edu)  
<http://goodwin-nieringcenter.conncoll.edu>

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Arlan Mantz, *Physics*  
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Established in 1993, the Goodwin-Niering Center for Conservation Biology & Environmental Studies is an interdisciplinary program that draws on the expertise and interests of faculty and students in the liberal arts to address contemporary ecological challenges. The Center strives to integrate all areas of learning to deal with the issues of sustainability and the natural environment. Building on a scientific understanding of the natural world, the Center invites the social sciences, the humanities and the arts to help understand and solve difficult environmental issues.



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## LETTER FROM THE DIRECTOR

ON A MISTY and windy May morning 19 faculty and staff members of the Goodwin-Niering Center for Conservation Biology and Environmental Studies gathered on Enders Island in Mystic to discuss the future direction of the Center. The setting was an ideal one to contemplate where we had been and where we hope to go, without the distraction of our busy campus.

The plan for the day followed The Nature Conservancy's Conservation Action Planning process, which it uses to develop watershed management strategies. This approach helps build agreement towards a management plan for the benefit of a particular river basin. I had been involved in a few of the meetings for these action plans and thought it was a good model to follow for the Center's meeting.

The basic hope for the day was to permit maximum participation and generate as many new ideas as possible, and to slowly develop a consensus on the future direction of the Center. After a brief introduction, the participants split into four groups to separately debate strengths and future needs of the Center. People frantically scribbled on large pads of paper as comments flowed. After this brainstorming session, the entire group reconvened to compare notes. Although chaos was a distinct possibility, we were all hoping for a synergy of ideas.

As we sat again in our large group, I was very eager to hear what people had to say. In an era when many faculty and staff are inundated by numerous requests and demands on their time, people often avoid new commitments. I was a bit worried that the people at the retreat would be reluctant to take on any new initiatives that might require more of their time. Therefore, you can imagine how excited I was to hear nothing but enthusiasm for more faculty participation in Center activities.

Each of the four working groups strongly believed that the role of the Center should continue to grow and strengthen. One common idea was to begin to convene informal faculty research talks to encourage more information sharing among the Center members. Beginning in the fall, the Center will hold periodic meetings to share research ideas with the hope that new collaborations might result. These frequent discussions will also allow more opportunities for faculty and staff to have input on the direction of the Center. I am confident that more faculty involvement can only strengthen the Center's role on campus.

Another clear message from the retreat was the notion that the Center should serve as the main organization to encourage broad-based education in environmental sustainability. People suggested that in addition to the Center's own weekly seminar where students in our certificate program discuss environmental concerns, the Center needed to continue to actively encourage the development of environmentally-related courses in new disciplines on campus. Furthermore, people wanted the Center to organize more talks for students on campus, especially in the alternate years when our Elizabeth Babbott Conant Conference is not held. Finally, there was a sense that the Center has a role to play in encouraging environmental stewardship by the College itself through its involvement in the Environmental Model Committee. With these various activities, people at the retreat believed the Center could have a very positive impact on environmental education and sustainability on and off campus.

I left the retreat elated at the opportunities and enthusiasm for the center, but also mindful of the large amount of work to be completed. The Goodwin-Niering Center has already experienced tremendous success, and it is clear that the future holds exciting new possibilities and responsibilities. With the huge pool of talent we have derived from the dedicated staff, faculty, students and alumni, the Center has the potential to be an even more important cornerstone for the educational mission of the College. It will be fun to see what the future holds.

— Douglas Thompson, *Karla Heurich Harrison '28 Director*

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# THE 2009 ELIZABETH BABBOT CONANT CONFERENCE: WATER SCARCITY AND CONFLICT

ON APRIL 3-4 the center hosted its seventh biennial Elizabeth Babbott Conant Interdisciplinary Conference on the Environment, "Water Scarcity and Conflict." The timely topic attracted a diverse audience of about 300 students and faculty, concerned citizens, representatives of environmental organizations, environmental professionals, and government officials. Conference goals included examining the root causes of conflicts over water use; assessing weaknesses in the current physical and political infrastructure for water distribution; and suggesting ways in which water can be used in a more sustainable manner. Using the formula that has worked so well at past conferences, each session featured speakers representing a variety of disciplines and perspectives.

A video recording was made of each presentation and is now available for viewing on the Center Web site. As part of their certificate program experience, students wrote papers summarizing the speakers' presentations, some of which are posted on the conference Web site. The following brief overview is based in part on the student conference papers.



*Keynote speaker Peter Gleick of the Pacific Institute*

## **Session I: Definition of the Problem**

Keynote speaker Peter Gleick of the Pacific Institute highlighted three dimensions of the water crisis: human, environmental and political. Millions of people around the globe lack access to safe drinking water, billions of people suffer from water-related diseases each year, and both



*Professor Peter Siver with keynote speaker Amy Vickers*

of these problems are preventable. The environmental problems are caused by humans since we are damaging ecosystems by overexploiting water resources or contaminating them. In terms of politics, one half of all water falls into international river basins; there are over 260 international rivers. Consequently, water is an ongoing source of political tension.

Two speakers covered the status and complicated conflicts surrounding water and water rights in the western United States. Professor Ellen Wohl, a geologist at Colorado State University, explained the condition of the Platte River ecosystem as a result of 150 years of use and regulation. Law Professor Reed Benson of the University of New Mexico spoke more generally about the major uses of water in the West, the ways it is diverted away from natural systems to where people need it, and water allocation using the concept of prior appropriation.

University of Connecticut natural resources Professor Glenn Warner used his school, and the rivers that supply its drinking water, as a case study on how excessive groundwater withdrawals can dry up local water courses, and how scientific studies can be used to help quantify the problems and develop mitigation measures. Visiting Center Fellow Professor Kaggere Lokesh of the S.J. College of Engineering, Mysore, India, added an international dimension to the conference with his discussion of a massive proposed project to interlink Indian rivers to supply water for human consumption and agriculture.

Evening keynote speaker Amy Vickers, of Amy Vickers & Associates, described a regulatory- and conservation-based approach to mitigating consumer water use and abuse. She highlighted mismanagement of water by industries, communities and individuals and suggested that with education, conservation regulation and repair of aging infrastructure we can avoid future water shortages in the eastern U.S.

## **Session II: Responses to Scarcity: Science, Activism and Policy**

Starting with a local focus, Lee Dunbar of the Connecticut Department of Environmental Protection reviewed the state's new stream flow standards, harking back to Professor Warner's example of the Fenton River. Next, The Nature Conservancy's freshwater policy expert Mark Smith reviewed national water policy and surveyed a wide variety of state-level attempts to balance human and ecosystem needs for water. Economics Professor Lynne Lewis of Bates College discussed and evaluated a number of interstate water-sharing agreements. Finally, State Department Special Coordinator for Water Issues Aaron Salzberg detailed the strategic interests of the United States in areas of the world afflicted with severe water shortages, particularly the Middle East. The U.S. offers aid and support around the world to help countries improve water quality and quantity.

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# CENTER HONORS EIGHTH CLASS OF CERTIFICATE STUDENTS

IT WAS SATURDAY, May 16, 2009, and the campus bustled with graduation preparations. Inside Ernst Common Room, students' posters lined the walls, displaying the culmination of 2½ years

ers who introduced her to the concept of ecological planning. Although she became an investment banker, Ms. Kohn said she never shed her ideals or lost her passion for the environment. She spoke of early, life-

and guests mingled over refreshments. The room was suffused with the warm glow of student achievements, parental pride and the common threads that bind us all: shared memories, a passion for the environment and dreams of a sustainable future.

— Mary Villa



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Recognition Ceremony guest speaker and Chair of the College Board of Trustees Barbara Kohn '72 with Executive Director Dreyer, left, and Harrison Director Thompson.

of effort. There were flower arrangements on skirted tables that held punch bowls and trays of tasty food offerings. The stage was set for the Center's eighth recognition ceremony. More than 80 family, friends and faculty were in attendance to honor the 12 certificate students who successfully completed the program. Notable guests included Center Advisory Board members Helen Mathieson '52, Linda Lear '62 and Edward Monahan.

Before receiving their certificates, each student spoke briefly about his or her senior integrative projects and future plans. Once all of the certificates were awarded, Campus Environmental Coordinator Amy Cabaniss presented Patrick Wallace '09 with the Center's Student Environmental Leadership Award.

The guest speaker this year was Barbara Kohn '72, chair of the Connecticut College Board of Trustees and a longtime supporter of the center. Ms. Kohn was a member of the first class of human ecology majors, a precursor to the present environmental studies program. She recalled her days as a student at Connecticut College as a time when she discovered her voice and her passion. She said she was fortunate to study with Goodwin, Niering and Professor Sally Taylor, all passionate teach-

shaping influences from reading books by Rachel Carson and Ian McHarg.

"I came in on the edge of a movement that strove to understand and embrace the natural environment as something that was of critical importance to our survival," she said. "I am not going to get political here, because I think this is a matter of common sense. But you are on the cusp of a new era that respects science again — for what it is in its purest form — and you should make the most of this window of opportunity. You are welcome in this world and we need you."

Ms. Kohn's reflections were both personal and relevant. "It may seem that you have been living these past few years in a bubble that lets you explore and keeps you safe," she said. "But what has really been happening? You have been learning more than the syllabus and studying for more than exams. You have been learning how to think. And I know that the way you are thinking is unlike the mainstream. It's step-wise, practical and stripped down. You get to the point — and most important, you know how to get to the point. Keep learning and keep speaking your mind."

When the formal portion of the recognition ceremony was over, graduates

## CONFERENCE

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### Session III: Prospects for Conflict, Resolution and Cooperation

The perspective of the water supply industry was represented by John Herlihy, director of Water Quality and Environmental Management at Aquarion Water Co. in Connecticut. He described the balance that a profitable business must achieve between environmental concerns and supplying customers with a reliable source of high-quality drinking water at a reasonable cost. Deborah Lapidus, a national organizer with Corporate Accountability International, took on the bottled water industry, asserting that they have changed public perception to view water as a high-priced, luxury commodity rather than a human right. Her organization's "Think Outside the Bottle" campaign emphasizes the environmental and social costs of the bottled water industry.

Professor Shlomi Dinar of Florida International University focused on "hydropolitics" and international transboundary freshwater cooperation and conflict mitigation. He was generally optimistic that the mutual experience of water scarcity can provide a means for cooperation across borders rather than conflict. Marc Levy of Columbia University's Center for International Earth Science Information Network, who studies the relationship between climate change and armed conflict, said he believes that human desperation caused by droughts often force young men into guerrilla movements, and that refugees from environmental disasters deserve the same protected status as political refugees. Developed countries, as the largest producers of the greenhouse gases, are not doing enough to assist those most affected by the results of climate change, he said. — Glenn Dreyer

## MOMENTUM INCREASES ON THE ENVIRONMENTAL FRONT

THE ENVIRONMENTAL momentum on campus was great this year, with several small and large projects and programs brought to fruition. The most comprehensive of all was the Environmental Sustainability Baseline Assessment (ESBA), an evaluation performed by the consulting firm Woodard & Curran (Portland, Me.) of our campus operations. This baseline study included data-gathering and analysis on buildings, grounds and planning; energy use, air emissions and greenhouse gas emissions; solid and hazardous wastes; curriculum; workplace environment; food services; purchasing; transportation; water use; and management systems. The assessment included benchmark summaries with five selected schools: Bates, Colby, Middlebury, Hamilton and Dickinson colleges. Upon receipt of the final report, the College will use the ESBA as a tool for developing a campus environmental sustainability plan to guide short- and long-term efforts.

Infrastructure became greener in 2009. In accordance with the College's Green Building Policy, LEED (Leadership in Energy and Environmental Design) guidelines were followed for construction of the Silfen Lecture Hall and the new fitness center. This is the first time that the College is seeking LEED certification, and the goal is to attain Silver level from the U.S. Green Building Council for both projects.

For a third year the College offset nearly 100 percent of its electricity purchase (an estimated 15 million kWh) with Green-e Certified, 100-percent wind Renewable Energy Certificates. RECs represent the property rights to the environmental, social and other non-power qualities of renewable electricity generation. Renewable energy was also supported through the College's TransCanada electricity purchase contract with an estimated 38 percent generated by hydropower plants. For these and many other greenhouse gas emission reduction efforts, the College was recognized by the Connecticut DEP with its Climate Change Leadership Award. Presented by the Governor's Steering Committee on Climate Change at a ceremony held in Hartford, the award was received by Gerald Visgilio, economics professor and chair of the Environmental Model Com-

mittee. "This recognition is particularly meaningful to us this year as we mark the 40<sup>th</sup> anniversary of our environmental studies major," President Higdon said in a letter of thanks to Gov. M. Jodi Rell, adding, "... We will continue to pursue our campus-wide efforts to promote environmental sustainability."

Car-sharing has formally come to campus. Students, faculty and staff who register with Zipcar ([www.zipcar.com](http://www.zipcar.com)) can take advantage of the two vehicles that

Competition Division, in which schools strive to collect the highest relative amount of recyclables per person, Connecticut College came in 13<sup>th</sup> out of 293 with 39.25 pounds per person cumulative recyclables. All total, RecycleMania participants recycled an estimated 69.4 million pounds of material, thus diverting reusable resources from disposal in municipal solid waste streams.

These projects and programs are but a few examples of the many environmental



*Above: Professor and Chair of the Environmental Model Committee Gerald Visgilio (left rear) received the College's Climate Change Leadership Award from the Connecticut Department of Environmental Protection. Right: Zipcars are now available for shared transportation on campus*

arrived on campus in December. Membership includes access to Zipcars wherever they are available, including in many cities and colleges worldwide. Campus benefits of Zipcar membership include a reduced need for individual vehicles, thus contributing to the reduction of traffic, parking problems and emissions.

The College made another impressive showing in RecycleMania, a 10-week intercollegiate recycling competition that this year boasted 510 participating schools. In the four years that Connecticut College has participated, our recycling efforts have placed us in the top 25, even as the number of enrolled colleges and universities has dramatically increased. In the Per Capita Classic



initiatives on campus. Others include student participation in Power Shift 2009, a national energy conference and rally on Capitol Hill; Earth Fest, an Earth Day celebration; the College's first Green Career Fair; a Water Scarcity and Conflict conference hosted by the Goodwin-Niering Center; a "localvore" dinner; a student independent study class on wind energy; May Move-out; and much more. The increased environmental momentum on campus is obvious and impressive.

— Amy Cabanis  
*Campus Environmental Coordinator*

## MEET THE CERTIFICATE CLASS OF 2011

SARAH BERKLEY

Majors: *History/Environmental Studies*  
Environmental Focus: Civil rights and the green collar economy

CATHARINE BROOKES

Majors: *Government/Environmental Studies*  
Environmental Focus: Economics of waste reduction

NITA CONTRERAS

Major: *International Relations*  
Minors: *Dance/Religious Studies*  
Environmental Focus: Water issues in India

FLORA DRURY

Major: *Biological Sciences*  
Environmental Focus: Tidal energy projects

JANAN EVANS-WILENT

Major: *Environmental Studies*  
Environmental Focus: Cetacean conservation research

CHRISTOPHER HAIGHT

Major: *Environmental Studies*  
Environmental Focus: Marine pollution laws and policies

KRISTIANE HUBER

Majors: *Government/Environmental Studies*  
Environmental Focus: Climate change, international refugee crisis

FIONA JENSEN

Major: *Hispanic Studies*  
Environmental Focus: Environmental conservation in Chile

CHRISTOPHER KRUPENYE

Major: *Biological Sciences*  
Minor: *French*  
Environmental Focus: Conservation of endangered primates

ERIC LEFLORE

Major: *Environmental Studies*  
Environmental Focus: Biodiversity degradation/human population growth

CYNTHIA ROSEEN

Major: *Architectural Studies*  
Minor: *Art*  
Environmental Focus: Green architecture

SCOTT SIEDOR

Majors: *Economics/Environmental Studies*  
Environmental Focus: Effective strategies for emissions reduction



### PATRICK WALLACE '09 HONORED FOR LEADERSHIP

AT THE CCBES Certificate Program Ceremony on May 16, Patrick Wallace '09 received the Center's Student Environmental Leadership Award, presented by Campus Environmental Coordinator Amy Cabaniss. Patrick's efforts over the school year demonstrated outstanding dedication to furthering environmental progress at the College. He served as the first SGA Environmental Liaison to the Environmental Model Committee, as a House Environmental Representative Co-Coordinator with Sally Zuar '11 and as an active Renewable Energy Club member, and he initiated and completed myriad other environmentally beneficial activities on campus. "Patrick's leadership and environmental stewardship efforts are exemplary. He made great strides in furthering environmental initiatives on campus," Cabaniss said.



*New Recruits: the Certificate Class of 2011 (back row, l-r): Eric LeFlore, Flora Drury, Christopher Haight, Christopher Krupenye, Scott Siedor, Cynthia Roseen. (front row, l-r): Kristiane Huber, Fiona Jensen, Catharine Brookes, Nita Contreras, Sarah Berkley, Janan Evans-Wilent*

### BIG FOOT LIVES!

MICHAEL A. SCHNEIDER of Danbury, Conn., was the recipient of this year's Goodwin-Niering Center Student Science Fair Award for his project, "Big Foot Lives ... A Comparative Study of the Carbon Footprint of City and Suburban Households." His project explored the effects of carbon dioxide on our climate and actions we can take to reduce our carbon footprint.

## CLASS OF 2009 SENIOR INTEGRATIVE PROJECTS

SARAH AYRES

Major: *History*

In her paper, "Fishing for Solutions: A Study of Community-Based Fisheries Management and its Implementation in the Gulf of Maine," Sarah examines the current methods of fisheries management on the East Coast of the United States with United States with fisheries' long-standing history of commercial overfishing and economic shortfalls. She includes discussion of an alternative approach and recommendations for a future of successful community-managed fisheries.

REBECCA BEACHELL

Majors: *Government/East Asian Studies*

Minor: *Philosophy*

Rebecca explores the roles of environmental nongovernmental organizations in China and the political constraints in her project, "The Yellow River Seaward Flows: China's Sorrow and the Self-censorship of Chinese NGOs."

TYLER DUNHAM

Major: *Environmental Studies*

Minor: *Economics*

In "Environmental Marketing Strategy: A Story of GE, BP and Wal-Mart," Tyler investigates how three major companies respond to environmental issues and reveals significant differences in their unique brand marketing strategies.

HANS EYSENBACH

Major: *International Relations*

Minor: *Latin American Studies*

In "Debating the Future of Agriculture: An Environmental Perspective on Lessons and Applications from Opposing Schools," Hans discusses two different agricultural practices, one organic and one genetically modified (GM), and concludes that GM can be organic in a meaningful way and GM does not necessarily destroy the essence of organic agriculture.

RICHARD HEDERSTROM

Major: *Botany*

In his honors thesis, "Traditional Native American and British Herbal Medicine: A Discussion of Similarities and an Analysis of British Remedies Collected by the Ethnomedica Project," Rick compares traditional British herbal remedies to remedies from Native American tribes. He discovers that a number of plants used to treat conditions in Britain have



*The Class of 2009 at their Senior Recognition Ceremony: (back row, l-r) Rick Hederstrom, Jeff Nemeč, Hans Eysenbach, Andrew Watts, Tyler Dunham, Mike Seager, Jamey Smith; (front row, l-r) Sarah Ayres, Katy Sacca, Maya Jacobs, Rebecca Beachell, Samantha Wright.*

A. V. Scarnano

also been recorded as treatments for the same conditions among one or a number of Native American tribes and he explores possible origins of these similarities.

MAYA JACOBS

Major: *Environmental Studies*

Minor: *Hispanic Studies*

Maya discusses differing attitudes and approaches to energy conservation in two large South American countries in "A Comparative Analysis of the Origins of Renewable Energy in Brazil and Argentina."

JEFF NEMEC

Majors: *Philosophy/Environmental Studies*

In his paper, "A Contemporary Philosophical Debate over Wilderness," Jeff traces two distinct philosophical perspectives on wilderness, hoping to guide us toward a more encompassing wilderness philosophy.

KATHERINE SACCA

Majors: *Medical Anthropology/Environmental Studies*

With powerful analytical tools in the Geographic Information System (GIS), Katie studies the correlation between the rate and distribution of deforestation and socioeconomic variables in her project, "A GIS Analysis of Deforestation and Population in Malawi between 1990 and 2000."

MICHAEL SEAGER

Major: *International Relations*

Minor: *Latin American Studies*

In his project, "Talking about Deforestation: Examining Participatory Democracy using Argentina's Law of the Forests as a

Case Study," Mike concludes that participatory democracy is an appropriate model for addressing environmental and natural resource policy-making and proposes five necessary conditions for success.

JAMEY SMITH

Majors: *Biological Sciences/Environmental Studies*

In his project, "*Jatropha curcas L.* as a Potential Model for the Ecologically Sustainable Production of Biofuels," Jamey finds that none of the first-generation biofuel feedstocks examined in his study is currently produced in an ecologically sustainable fashion, although *jatropha* biofuel is promising.

ANDREW WATTS

Major: *Government*

In his paper, "Community Conservation in African Wildlife Policy: A Comparative Study of Contrasting Implementation Policies in Kenya and Zimbabwe," Andrew examines wildlife and community conservation strategies and offers recommendations for their best application in Africa.

SAMANTHA WRIGHT

Major: *Environmental Studies*

Minor: *Hispanic Studies*

Utilizing GIS to trace the shorelines of her study sites over time, Samantha examines the effects that coastal protection structures have on short- and long-term erosion in her honors thesis, "An Analysis of Coastal Protection Structures: A GIS Based Approach."



JAMEY SMITH '09 received the Goodwin-Niering Center's 2009 Helen F. Mathieson '52 Prize for outstanding contributions to the Center. Helen and Jamey are pictured at the May Senior Recognition Ceremony.

## SUMMER INTERNSHIPS FOR THE CERTIFICATE CLASS OF 2010

MELANIE BENDER

Major: *Environmental Studies*  
Internship: Connecticut DEP, Fisheries Section

ERIN BRADY

Majors: *Government/Environmental Studies*  
Internship: D.C. Public Schools, Urban Education Leadership Program, Washington, D.C.

ARIELLA COHEN

Major: *Environmental Studies*  
Internship: Assistance and Pollution Prevention Unit, EPA, Boston

MARIA FIGLIOLA

Major: *Environmental Studies*  
Internship: Corporate Accountability International, Boston

ERICA HILDEBRAND

Major: *Biological Sciences*  
Internship: Woods Hole Oceanographic Institute, Mass.

JAMES IRWIN

Major: *Environmental Studies*  
Internship: Cool Cities Campaign, Sierra Club, Me.

KEVIN IZZO

Major: *Environmental Studies*  
Internship: Kilowatt Technologies, Shelburne, Mass.

LILY KUNIN

Major: *Economics*  
Internship: Calvert Social Investment Foundation, Md.

STURGIS SOBIN

Majors: *Economics/Environmental Studies*  
Internship: Clark Construction Group, Md.

CHARLES VAN REES

Majors: *Biological Sciences/Environmental Studies*  
Internship: Gandoca Sea Turtle Conservation Project, WIDECAST, Costa Rica

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CGBES Box 5293  
270 Mohegan Avenue  
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