



January – August 2006

Our new and improved Sustainability at Ithaca website came on-line this summer. We redesigned the site to more accurately reflect the three-fold nature of the Positive Growth sustainability initiative, with separate sections for curriculum and research, campus operations, and community outreach. More information about many of the items mentioned in this report can be found on our website, along with news of upcoming events and an archive of past campus activities.



Back row (l-r): Brian McAree, v.p. student affairs and campus life; Michael McGreevey, exec. ass't to the president; Shelley Semmler, v. p., institutional advancement; Nancy Pringle, v.p. and college counsel; Peter Bardaglio, provost; Alison Krasnow, Students for Sustainability; Marian Brown, special ass't to the provost; Carl Sgrecci, v.p., finance and administration.
Front row (l-r): Jason Hamilton, CNS Sustainability Group; Nancy Ramage, chair, H&S faculty senate; Peggy Williams, College president; Anna Day, Students for Sustainability; Mark Darling, Resource and Environmental Management Program.

On February 28th, the members of President's Council and several other campus community representatives flanked President Peggy Williams as she formally signed the Talloires Declaration. This international commitment document, developed in 1990 by University Leaders for a Sustainable Future, dedicates its signatories to incorporating sustainability practice into their campuses and becoming world leaders for advancing sustainable change. In Fall 2005, the sustainability subcommittee of the Planning and Priorities Committee (PPC) thoroughly reviewed the terms of the Declaration and the PPC unanimously endorsed the plan for the College to join over 325 national and international institutions as signatories to this pledge. The Talloires Declaration articulates a ten-point action plan to support education for sustainable development, to encourage operational efficiency,

and to actively conduct local and national outreach. Much of what Ithaca College is already doing falls within these ten action statements, and the PPC sustainability subcommittee will continue to monitor the College's progress in advancing campus sustainability and ensure that the Talloires action steps are executed. A first progress report, measuring the Talloires Declaration action steps against the two Positive Growth sustainability initiative reports documenting our progress during 2005, showed that we have already made substantial headway in meeting Talloires goals to improve our campus sustainability.

During his 2006 Commencement address, basketball legend and former presidential candidate Bill Bradley urged graduates to use the skills they have developed at Ithaca College to create positive social change. Echoing IC's mission statement that *character is developed when competence is exercised for the benefit of others*, Bradley suggested to students that "in addition to intelligence and caring, you have to have a deeper purpose rooted in your own individuality. It is important to see beyond your immediate task to the larger world around you."

All-College Activities

In early January 2006, Jason Hamilton, assistant professor of biology, and associate professor of biology Susan Swensen traveled to Atlanta to attend the “Train the Trainer” workshop on “Infusing Sustainability into the Curriculum,” sponsored by Education for Sustainability – West Network (EFS-West). This workshop was jointly run by Peggy Barlett from Emory University and Geoff Chase, San Diego State University, co-authors of *Sustainability on Campus: Stories and Strategies for Change*. Barlett and Chase were the developers of the successful Piedmont and Ponderosa sustainability education models at, respectively, Emory University and Northern Arizona University. Hamilton and Swensen plan to lead similar efforts at Ithaca College to expand the number of faculty in various disciplines infusing considerations of sustainability in their classes. EFS-West, originally a regional campus sustainability organization for Rocky Mountain area and west coast institutions, has since transitioned to become an international campus sustainability support network called the Association for the Advancement of Sustainability in Higher Education (AASHE), of which Ithaca College became an early member.

On May 25th, as part of the week-long Faculty Summer Institute, Hamilton and Swensen teamed to deliver the first workshop of what has now come to be known as the *Finger Lakes Project*, our own sustainability curriculum development program. The thirty faculty members attending this *Finger Lakes Project* workshop learned about sustainability and, in small groups, brainstormed how to develop curricular modules within their respective disciplines around a case study of Darfur. The half-day workshop ended with Hamilton leading a fascinating “guided tour” of the geophysical, cultural, environmental, social, and economic history of the Ithaca bioregion. Among the workshop attendees were the fifteen recipients of the latest round of summer curriculum development mini-grants.

Under the auspices of the National Science Foundation grant titled *Applying Science to Sustainability*, sustainability curriculum development proposals were again solicited from IC faculty and residents at EcoVillage at Ithaca. Each recipient was awarded \$1,000 to develop sustainability-themed modules for existing courses or to develop entirely new courses. EcoVillage resident award recipients pair with IC faculty to integrate their curriculum module into existing or planned courses. The fifteen mini-grant awards this summer brings to 43 the total number of curriculum development awards made over the past four years, with awardees representing sixteen different academic disciplines in three of the five schools and the division of Interdisciplinary and International Studies.

Five residents of Ecovillage at Ithaca received summer mini-grants during this round. Valorie Rockney proposed a semester-long project for students to understand the life-cycle of clothing and to learn to organize simple techniques of clothing re-use which students can develop and implement. Marty Hiller will guide students in an exploration of the agricultural challenges of forest farming as a sustainable practice. Monty Berman will develop a curriculum module titled *The Sustainable Human* in which students will address three important components of sustainable “*be-ing*”: self-awareness; self-responsibility; and how we make rewarding and productive connections to others and to our environment. Stephanie Greenwood will guide students in a feasibility study of willow as an agronomic crop for EcoVillage. Using the Cayuga Basin Bioregion map, Tina Nilsen-Hodges plans to work with biology or ecology students to develop sustainability curriculum modules for elementary and/or high school students that focus on ecological relationships within our bioregion.

Ithaca College faculty recipients include Lauren O’Connell, associate professor of art history, who plans to develop a two-week course unit on “green” design for her *Architecture across Cultures* course. Cory Brown, assistant professor in the department of Writing, seeks to integrate sustainability and

environmental content into the philosophy unit of “*Poetics*.” Cheryl Kramer, assistant professor of Art History and director of the Handwerker Gallery, wants to revise the Contemporary Art and the Environment theme in her course, *Art Since 1960*, to include issues of sustainability and the ethical obligations of artists to consider such issues. Srijana Bajracharya, assistant professor in the department of Health Promotion and Physical Education, intends to modify an existing course called *Wellness: A Multicultural Perspective on Health and Healing* to incorporate new material about different kinds of modalities with special reference to nutrition and herbal products and the importance of environment in their daily lives. Michael Rogers, assistant professor of physics, plans to create a sustainability curriculum assessment plan applicable across disciplines. Tom Pfaff, assistant professor of mathematics, will further refine an earlier project which teaches Excel-based curve fitting techniques in calculus courses through exploration of the issue of oil – supply and consumption of oil, its impact on global warming, and what can be done to affect these issues. Judith Kennison, professor of Therapeutic Recreation and Leisure Services, plans to strengthen existing content in her *Foundations of Outdoor Adventure Pursuits* to provide students with connections to issues of sustainability and how these impact any type of use on the outdoors, including outdoor recreation. Vera Whisman, assistant professor of Women’s Studies, will develop a new course on women and sustainability, incorporating literature, theories, and methodologies from a wide range of disciplines. Psychology lecturer Kathryn Caldwell will develop a course component drawing from eco-psychology, development psychology, and social marketing approaches to foster personal sustainability. Office of International Programs outreach coordinator, Astrid Jirka, will develop orientation materials to be used by both faculty preparing short-term programs as well as by students attending either short-term, semester, or year-long study abroad programs. Using case studies, faculty and students will be made aware of the current impacts that world travelers have on the global tourist industry and on local communities. Jirka will suggest areas in which travelers should pay attention to the choices they make so as to encourage a positive experience for people and cultures with whom they come into contact, as well as for the natural environments.

The annual James J. Whalen Academic Symposium was held on April 3rd, featuring platform and poster presentations, art, original music, and written works from over 200 students. Special sessions were held on sustainability, work done by the Park and MLK scholars, and a keynote session on the College’s Antigua program. Presentations included: “*Toward a More Sustainable Campus - Part 5: How do we Retrofit the Center for Natural Sciences?*” Lisa Stelljes ’08, co-sponsored by assistant professor of physics Beth Ellen Clark Joseph and assistant professor of biology Peter Melcher, examined how to lighten the ecological footprint of the science building. In “*The Ithaca College Solar Trailer Project: A Mobile Power Source Concept*,” Nitin Rajan ’07, who was co-sponsored by assistant professor of physics Beth Ellen Clark Joseph and assistant professor of computer science Ali Erkan, explained his work to connect the mobile solar trailer to a data logger and to develop a web-based visual interface to monitor and track solar gain. Joseph Wladkowski ’06, sponsored by assistant professor Art History Lauren O’Connell, presented on “*Sustainable Architecture: Directions and Applications*”. Sponsored by associate professor of anthropology Brooke Hansen, Jessica Duncan ’06 discussed alternative medicine and natural therapeutic modalities in “*A ‘New’ Era of Health and the Conflicts Facing its Use*.” Brittany Gibbs ’07 explored “*Environmental Regulation of the Cruise Ship Industry*”; Brittany was sponsored by Marlene Barken, associate professor of business administration and coordinator of legal studies. “*An Assessment of Computer Plug-loads in the Center for Natural Sciences*” was presented by Robert (Bobby) Rivard ’06. Bobby designed and conducted a controlled experiment measuring the normal building energy draw from computers and other “instant-on” office equipment continuously plugged in within the science building, and the change in electrical usage during a scheduled weekend-long, building-wide equipment turnoff. Bobby’s work was incorporated into the *EnergySmart Office* audit report delivered to the campus in early Spring. Bobby’s research was sponsored by associate professor of biology Susan Swensen. Rivard also attended the Eastern States Science Conference at Saint Joseph’s

University to present on his plug-load research project. *“Calculating Ithaca College’s Greenhouse Gas Emissions”* was presented by Stephanie Hylan ‘06. Stephanie utilized the GHGE inventory developed by Clean Air – Cool Planet, an assessment tool currently used by 29 other higher education institutions. In order to complete the inventory, which looks back five years, Stephanie worked extensively with staff and administrators across campus to collect data on campus fleet mix, employee travel, college community parking trends and use of public transit. Stephanie’s completion of this inventory allows the College to, for the first time, comprehensively assess its environmental impact and begin to set targets for future improvements. Stephanie was sponsored by associate professor of biology Susan Swensen. *“Probing Soil Chemistry for Alternative Landscaping Sites - Part One”* was presented by Beth Pallo ‘06, who was sponsored by assistant professor of chemistry Akiko Fillinger. Beth studied the change in soil chemistry between traditional monoculture turf lawns and the alternative landscaping study plots sited outside the Center for Natural Sciences. Beth was also invited to present her results at the 2nd International Conference on Environmental Science and Technology in Houston TX in late August. Beth, who graduated in environmental science with a chemistry concentration, presented her senior capstone project, titled *“Multi-Faceted Evaluation of Sustainable Landscaping on a College Campus.”* Two students under the sponsorship of assistant professor of biology Jason Hamilton presented the results of their collaborative research work with management at *Gimme Coffee™*, a local coffee roasting company with several store-front coffeehouse locations in the city of Ithaca. Britany Herits ‘07 presented on *“Carbon Metabolism of a Local Coffee Company”*, assessing the operation’s environmental impact, and Justin Viggiano ‘07 evaluated the waste stream and presented strategies for *“Reducing Solid Waste with a Local Coffee Company.”* Rebekah Weck ‘06, also sponsored by professor Hamilton, discussed the *“Effects of Global Warming on Animal Reproduction.”* Adrian Guenther ‘07 spoke on *“Investment Performance of ‘Socially Conscious’ Mutual funds: An Empirical Analysis of Select U.S. Companies.”* Guenther was co-sponsored by professors of business administration Hormoz Movassaghi and Alka Bramhandkar. *“Minimizing Highway Mortality for Migrating Amphibians”* was presented by Kyle Block ‘06, Mark Hager ‘06, and Anthony Parisi ‘06, who conducted their research with associate professor of biology John Confer. The trio reported on their study of the impact of highly perilous spring migrations of spotted salamanders between waterways across a heavily-traveled local roadway in the Town of Caroline. Eventually, the students hope to either influence policy to reduce traffic during the salamander migration periods, or to facilitate the construction of a specially designed tunnel under the road for the amphibians to use when crossing the road. Reporting on *“Ecosystem Services Provided by Stream Bank Erosion Control in the Town of Caroline: Supported by the Town of Caroline, Town of Ithaca, NYS DEC, US Soil and Water Conservation Service,”* Stephanie Meyer ‘06 and Matt Podolsky ‘06 were also sponsored by John Confer. They evaluated the efforts to stabilize a stretch of highly vulnerable stream bank in the area. The project was videodocumented with the technical assistance of long-time School of Communications staffer Ken deGraff, who died unexpectedly later in the summer. *“Consumerism and the Utopian Ideal”* was reported on by Nethra Samarawickrema ‘08, who was sponsored by Marie Garland, assistant professor of organizational communication, learning and design.



At the conclusion of their summer residential “immersion” at Ithaca College, each team of incoming first year students in the Office of Minority Affairs Summer Institute presented their project during a final colloquium. Under the guidance of instructor Kenny Christianson and peer counselors Peter Harriot and Tehika McBean, students Lin Gao, Jose Perez, Jeffrey Lee, Lauren Montagne, Ronyel Benscome, and Simone Farquharson explored the concept of the “Global Footprint” as introduced by Dr. Mathis Wackernagel. *“Ecological footprinting”* determines

the land and water area necessary to support an individual or a certain population, to produce the food it consumes and to absorb its wastes under prevailing technology. Wackernagel's model calculates that, at current population levels, to support human life requires 4.5 acres of the earth per person, assuming that 50% of the earth's resources are shared with the remaining 15 million other species. The students under Christianson's supervision calculated the ecological footprint of the three-week Summer Institute program, looking at the program's food needs, use of transportation, requirements for space by residents and the program office, and the program's overall waste production. Students were chagrined to discover that each student "consumed" 200 square feet; they calculated that the OMA Summer Institute as a whole required a total of 25.55 global acres, amounting to 9.69 global acres per student, more than twice the recommended rate of consumption. Students attributed their heavy global footprint to their high waste production and their overuse of processed foods, especially animal-based products. They called for their peers to support campus recycling efforts and to examine the ways in which they contribute to the waste stream, to look carefully at their dietary choices, and to choose alternative modes of transportation wherever possible.

Faculty from the Center for Natural Sciences: assistant professor of biology Jason Hamilton, associate professors of biology Susan Allen-Gil and Susan Swensen, assistant professors of physics Michael "Bodhi" Rogers and Beth Ellen Clark Joseph, and assistant professor of chemistry Akiko Fillinger; along with Ali Erkan, assistant professor of computer science, Tom Pfaff, assistant professor of mathematics, Liz Walker, executive director and Elan Shapiro, educator from EcoVillage at Ithaca, Paul Hamill, director of academic funding and sponsored programs, and Marian Brown from the Provost's office teamed to develop a second-round proposal to the National Science Foundation for funding to further develop the Finger Lakes Project for sustainability curriculum development. Their concept for the proposal for the NSF grant - which seeks to encourage education in science, technology, engineering and mathematics (STEM) disciplines - builds upon the interdisciplinary success of the first NSF grant which gave rise to the partnership between environmental studies and EcoVillage at Ithaca.

Beth Ellen Clark Joseph, assistant professor of physics, Peter Melcher, assistant professor of biology, and David Saiia, assistant professor of business administration, teamed to develop *People, Prosperity, and the Planet* [P3] grants to the Environmental Protection Agency for the development of living machines and small wind-powered turbines to incorporate into micro-enterprises for the Fundacion Maquipucuna eco-reserve in Ecuador.

School of Business



Christian Roadman '08 and a native guide visit an eco-lodge.

In May, assistant professor of business administration David Saiia led a team of students into the Ecuadorian cloudforest for a two-week field study following a second-block 1-credit course titled *Sustainable Enterprise and Environmental Issues*. Three M.B.A. students and eleven undergraduate students from a variety of disciplines teamed to work on three projects, including developing a master brand for a number of the land preserves in the Choco-Andes Corridor, considered to be one of the world's most unique biodiversity "hot-spots." Other teams sought to support sustainable micro-enterprises and partnerships with nearby

villages around Fundacion Maquipucuna, a 15,000-acre privately owned and managed nature reserve in the mountains near Quito, and to improve the tourism potential of the Fundacion's eco-lodge. Marian Brown, special assistant to the provost, also accompanied the field study team.

Twenty five students from associate professor of business accounting Joanne Burress's Practicum in Accounting helped complete 175 income tax forms this spring for the Volunteer Income Tax Assistance (VITA) organization. The students helped prepare tax filings for low income earners, individuals with disabilities, non-English speakers, and the elderly.

Over the summer, Kaitlin Regan '07, a business administration student who served on the stakeholder team for the School of Business building project, worked as a green building intern for the American Jewish Committee. She designed a nationwide fuel-efficient vehicle bonus program which rewarded employees for purchasing or leasing certain vehicles. Regan also worked with the organization's Building Services department to help in the design of an in-office sound studio. Working with their design team to carefully select sustainable materials and offer critical feedback on the progress, she helped the studio gain LEED™ recognition.

Roy H. Park School of Communications



Michelle Berry (center) flanked by her PR students.

Senior communications students Kaitlyn Coray, Emily Krasting, Lauren Oman, Amanda Piasecki, Elizabeth Salvas, and Joseph Ziarko, in the Public Relations Lab under the direction of Michelle Berry, assistant professor in the department of Television-Radio, conducted a semester-long campaign to study pedestrian issues in the City of Ithaca. The students worked with Mayor Carolyn Peterson and the city's Pedestrian Awareness Committee to improve relations between pedestrians and drivers. The

students' stated objectives included increasing compliance of crosswalk laws through education, cultivating positive attitudes between pedestrians and drivers, and heightening public awareness of the relatively new snow and ice removal ordinance. The students presented their PR materials, including easy-to-read brochures, posters, and bumper stickers to the Ithaca Common Council on May 3rd.

Students in the *Critical Issues in Integrated Marketing Communication* course developed a social marketing campaign to promote greater interaction among members of the IC community, with activities ranging from making eye contact and exchanging casual but sincere greetings, to performing simple acts of kindness. The campaign, titled "*Kindness is Contagious*," ran during the last week of classes in April.

School of Health Science and Human Performance

The Health Sciences major has introduced three new tracks: health promotion, pre-medicine, and nutrition. Since the introduction of these tracks, the size of the major increased by 200%. 43 students remained in the original curriculum, but eleven have chosen pre-med, five are studying health promotion, and three are pursuing nutrition.

School of Humanities and Sciences

Student teams in assistant professor of history Michael Smith's U.S. Environmental History class again collaborated with archivists at The History Center of Ithaca to conduct primary research on past environmental events. The class presented their reports at a well-attended public presentation at the

History Center on April 19th. Research topics this semester included the development of the Milliken Point coal-fired power plant, the environmental history of Cascadilla Creek, and the 1918-19 flu pandemic in Ithaca.



IC student Molly Dworsky shovels gravel for root cellar drainage

Our partnership with EcoVillage at Ithaca, originally funded by a four-year grant from the National Science Foundation, continues to thrive. *Projects in Sustainability*, a course taught by Ecovillage educator Elan Shapiro with the support of other EcoVillage experts and IC faculty, gave students a chance to learn first-hand about community sustainability. Students were engaged as key players in projects that “made a difference” in sustainable development on campus, at EcoVillage at Ithaca, and in the greater Ithaca community. Class members Megan Welch ‘09 and Molly Dworsky ‘09 requested permission to use the adaptive lab kitchen in Occupational Therapy to plan and prepare a meal using all local foods and come together with their classmates to share a communal dining experience. Another student group worked with EcoVillage resident Tina Nilsen-Hodges to research root cellar possibilities. More than 15,000 pounds of produce are planned to be stored during the winter in the first of several root cellars planned to accommodate EcoVillagers’ agricultural bounty.

The root cellar design the students developed began to take shape at EcoVillage during the late spring and summer, with many hours of volunteer manpower, including that of IC students, working to complete the project in time to accept the fall harvest. Student comments on the *Projects in Sustainability* course included: “*This was my favorite, most challenging, and most valuable course.*” “*Working in groups was fabulous. Learning through doing was great.*” “*I loved the opportunity to get involved in the larger community.*” “*This was not just a class, it was a commitment and involvement that will continue beyond this semester. I’m now looking for jobs with a focus on sustainable development.*”

With the support of dean Howard Erlich, a budget line has been added within the environmental studies program to continue the IC – EVI partnership; the new funded partnership program is called *Sustainability in the Community* and includes support to retain the highly successful curriculum development mini-grants. *Fostering Sustainable Communities* will be offered in Fall 2006, taught by Ecovillage educator Elan Shapiro.

Students in *Principles of Biology* labs led by associate professor of biology Susan Swensen and assistant professor of biology John Hopple were required to conduct sustainability projects as part of their coursework. Requirements were that these projects had to be connected to a biological process, and were either to be researched through a local primary research process, or through an Internet or literature review. At the end of the semester, student teams presented their projects and the winning members of each section received a prize. Some teams studied wind energy projects, alternative and “green” medicines, landfill practices, and bioengineering. One student team worked with NSF summer grant recipient and EcoVillage resident Marty Hiller to investigate the ecological footprint of dietary choices, studying a small group of EcoVillagers representing omnivores, vegetarians, and vegans.

Students in the Environmental Studies Capstone class invited all IC community members to participate in a focus group to offer their opinions regarding campus sustainability on Feb. 27th.

The Biology Department’s Junior Research Symposium featured two sustainability-themed presentations: Stephanie Hylan ‘06, who calculated the greenhouse gas emissions of the college; and

Justin Viggiano '07 and Brittany Herits '07, who worked to make local coffee roaster and coffeehouse operator, *Gimme! Coffee™*, a more sustainable company.

On March 23rd, the environmental studies capstone class hosted a teach-in to educate the college community on natural and sustainable landscaping practices, focusing on environmentally friendly and cost-effective methods of lawn care. 33-40 attended to hear associate professor of biology Susan Swensen and conservation biologist and biology department lecturer Rene Borgella speak about the plans for the alternative landscaping project to be created on the northern slope outside the Center for Natural Sciences. Roger Casterline, assistant director of grounds and transportation for Facilities, discussed landscape maintenance issues. The alternative landscape project began in earnest in early April, when volunteers removed sod and prepared four planting areas to test various alternative grasses and flowering plants. Possible areas targeted for alternative plantings include steep slopes that are not used for recreational purposes and have terrain too dangerous for routine mowing.



Alternative landscaping outside Center for Natural Sciences.

Associate professor of biology John Confer received a New York State Department of Environmental Conservation grant to evaluate a nationally-unique effort to restore shrubland habitat to a condition favorable for rare and declining shrubland birds. Additional habitat restoration funding was provided by the New York State Parks department. The research study was conducted between February and July 2006. Confer, biology professor for 37 years at Ithaca College, is retiring this year. Serving as coordinator of the environmental studies program, Confer has dedicated years of research and education to environmental conservation. Dr. Confer is incredibly passionate and dedicated, and Ithaca College wishes him luck on the next phase of his life.

Environmental Studies seniors Kyle Block, Mark Hagar and Anthony Parisi presented “*Monitoring Amphibian Road Mortality During Migration: Tompkins Co, NY*” at the Northeast Natural History Conference, sponsored by the New York State Museum in Albany. The paper was co-authored with biology professor John Confer.

Adam Gattis '06, who conducted his research under the supervision of assistant professor of biology Jason Hamilton, presented “*Elevated atmospheric CO₂ alters trophic interactions among web-building spiders, insects and plants: a stable isotope analysis*” at the Eastern College Science Conference.

Stephen Sweet of the Sociology department received a \$10,000 grant from the Alfred P. Sloan Foundation to identify, develop, and disseminate material that teaches students the ways in which workplace policies and practices impact family lives.

During the Spring semester, Fred Wilcox, associate professor of writing, taught a persuasive argument course titled *Saving Mother Earth*. Wilcox charged his students with investigating some aspect of the Ithaca College campus they would like to see changed. As their final project, teams researched global issues like climate change, deforestation of rainforests, and endangered species. Wilcox invited in campus speakers to share their ideas and concerns; included were Jason Hamilton, assistant professor of biology, Mark Darling, supervisor of recycling and resource management, and Marian Brown, special assistant to the provost.

Division of Interdisciplinary and International Programs



From March 30-April 6, Ithaca College hosted the 2006 Finger Lakes Environmental Film Festival (FLEFF). Co-directed by Patricia Zimmermann, professor of cinema and photography, and professor of politics Tom Shevory, the Festival screened more than sixty films and videos as well as provided a venue for lectures, exhibits, installations, performances, and faculty-moderated discussion groups. The range of events offered this year expanded

significantly, including the exploration of sustainability in terms of its economic, social, ecological, political, cultural, and technological framework. Some of the innovations were an EcoPoetics contest that drew entries from around the world, and the launch of a Festival Fellows program, supported by the Office of Affirmative Action, which brought three graduate students of color to campus for a weekend residency. In addition, part of the academic Quad was transformed into a thought-provoking landscape art installation titled “*Counting*,” which, coupled with an art exhibit in the Handwerker Gallery, explained the symbolism behind the design which visually represented counts of deaths due to diseases, global conflict, and environmental degradation. Five one-credit mini-courses were offered in conjunction with the Festival. Assistant professor of business administration David Saiia taught a mini-course titled *Sustainable Enterprise and Environmental Challenges*. Associate professor of Health Promotion Stewart Auyash guided students in an exploration of *Contagions and Contaminations*. Cheryl Kramer, assistant professor of art history and director of the Handwerker Gallery, supervised an installation art practicum; minicourse students assisted designer Mary Zebell to install her “*Counting*” art installation. *Cultural Ecology* was taught by Peter Rothbart, professor of music theory, history, and composition. Simon Tarr, assistant professor of cinema and photography guided students in an exploration of *Hacking, Bending, and Recycling the Media*.

While on sabbatic during the Spring semester, Susan Allen-Gil, associate professor of biology, taught a special course called *European Environmental Issues* as part of the academic offerings at the Ithaca College London Center program. Allen-Gil and her students toured museums, “green buildings”, and environmental sites in and around the city of London. At the Natural History Museum, Allen-Gil guided her students through the geologic history of Europe and the U.S. At the Museum of London, students explored the epidemiology of the devastating “black death” plague of 1348-1350 and the city’s cholera outbreak in 1854. During field trips, students visited two “green” buildings: London City Hall and the Swiss-RE building. They also toured the Thames Barrier project, designed to protect London from flooding, and visited the Barnes Wetland Centre, a 40-acre created wetland within sight of the London skyline that supports 80 species of birds. Part of the course requirement was for students to track an environmental news story affecting the U.K. Working together, the students created a humorous “*ICLC News*” video, with each student serving as on-air talent, reporting on their respective story for the newscast spoof. Video cameos featured Allen-Gil (as a genetically-modified grape cluster boarding the London tube!), her two young daughters, Julia and Leslie, and London Center director Bill Sheasgreen.

Senior Shannon Service evaluated the College’s recent environmental audit for her Legal Studies Capstone project. Service was granted access to the records and reports of the independent environmental audit team from O’Brien & Gere, which was contracted by the College to survey the campus in Fall 2005 and assess institutional compliance with environmental regulations. Service’s report offered insight into the root causes of some of the environmental compliance deficiencies found during the audit and provided some valuable perspective as to how these deficiencies could be remedied in future. One of Service’s recommendations was the development of an environmental management system (EMS) for the campus. Along with Michael Lewis, manager of environmental health and safety,

Shannon presented her findings to the Planning and Priorities Committee on May 2nd and her paper was distributed to a few key members of the campus community as well. In a separate independent study project, Shannon created a directory of internships and ongoing experiential, work-study, credit-bearing opportunities for sustainability related projects on campus.

Shea O'Neill '07 conducted a spring Washington Semester Program internship with the Alliance to Save Energy. O'Neill worked on the Alliance's education team which administers Green School and Green Campus programs, incorporating energy education into curriculum, and saving the schools' money on energy costs. O'Neill edited the *Green Gazette*, a student-written newsletter. In a personal side project with Friends of the Earth, Shea helped draft a resolution to the DC mayoral forum about mandatory integration of sustainability in Capitol-area schools.

This year, Ithaca College offered courses in Antigua and Barbuda including topics such as photography, ecology, and the role of sport in society. *Documenting Ecosystems through Photography* was offered as a class during the January winter session. The course focused on an environmental assessment of the inter-tidal ecosystems of Antigua and Barbuda, including a famous nesting colony of frigates, tropical nesting birds whose territory is under stress. The course was team taught by John Confer, associate professor of biology and environmental studies program coordinator, and Janice Levy, professional photographer and professor in the cinema and photography program in the Roy H. Park of School of Communications. The thirteen participating students - nine from campus and four from Antigua - compiled photographs and sound recordings of bird calls, and conducted interviews with local residents that illustrate the unsustainable development and limited ecological consideration occurring throughout the islands and the cultural and economical consequences of such actions. The course participants' work is captured on a student-developed website that can be viewed at <http://www.ithaca.edu/ecosystems/>

During Spring break, John Confer returned to Antigua, this time paired with associate professor of writing Fred Wilcox, to lead students through the course, *Documenting Ecosystems through Narrative Writing*. The course continued the assessment of the inter-tidal ecosystems of Antigua and Barbuda, begun in the January course, with documentation of the experience through narrative writing.



Campus Operations

During the textbook buyback period at the end of the Spring semester, Bookstore staff report they paid Ithaca students over \$110,000 to purchase their used textbooks. Buyback purchases were down a little from previous semesters because the Bookstore had only received from faculty information about 795 titles to be used again for the Fall 2007 semester. 1,825 books from this "repeat" list were purchased from students for re-sale to other students as used texts; \$52,990 was paid to students to purchase back these used books. 6,219 texts were purchased for re-sale to our used book wholesaler for sale at other campuses; \$56,826.50 was paid to students for those texts. Over 40 boxes of texts that did not have a domestic reuse value were collected for the "*Books for Asia*" program. Bookstore staff also reports that about 10% of their total offering of office supplies contains recycled material.

John Robertson, supervisor for interior design and furniture for Facilities Planning, Design and Construction, reported on just a few of the successful furnishing projects his group completed during the spring and summer months. Taking from the inventory his team maintains of components and used furniture reclaimed from other campus projects, Robertson's crew was able to provide enough components to supplement existing materials to create two complete reception stations for staffers in the office of Legal Services in Job Hall, all at no additional cost. A full complement of used components re-configured to create three computer workstations, along with two conference tables and a number of task



chairs and loveseats created an attractive and functional new student lab in Smiddy Hall 326 (see photo left), and saved the Health Sciences and Human Performance dean's office over \$7,000. For an Information Technology Services support office for the Park School's new laptop program, Robertson's group installed a used workstation and other furnishings, saving the College over \$2,000. In the Administrative Annex, the used furnishings Robertson's team provided to completely furnish an office for a professor saved the Humanities and Sciences dean's office about \$3,000. Installing workspaces to support four part-time faculty members sharing Williams 204 saved H&S another \$3,000.

In June, Mark Darling, supervisor of Recycling and Resource Management, reported the final recycling statistics for fiscal year 2005-06. 208 tons of office paper, 99 tons of separated bottles and cans, 66 tons of corrugated cardboard were collected for recycling. 353 tons of food waste were processed in the campus compost facility. The total recycled material added up to 726 tons diverted from the waste stream. 903 tons of trash were taken to the landfill. Income from sales of recycled paper and corrugated cardboard totaled \$4,160 and over \$54,000 in avoided landfill fees offset all but \$3,160 of the costs to run the recycling program. This total does not include materials kept out of the waste stream from toner cartridge recycling, the annual "Take It or Leave It" resident cast-off program, the O.S.C.A.R. (Office Supplies Collection and Reuse) program, or reusable furnishings and fixtures salvaged from summer construction projects.

The Purchasing Department instituted a pilot recycling program with a private firm for all College-owned surplus cell phones that are no longer needed. The income derived from this program adds to the College's general institutional account.



Over the past six years, volunteers from the AIDS Working Group have planted 2,000 daffodil bulbs each autumn throughout the campus. Established following the 2001 death of local AIDS activist Cleve Thomas, the annual planting honors Thomas' vision of the spring blooming of daffodils as a symbol of hope and renewal. The spectacular springtime displays of thousands of blossoms serves two purposes: the scatterings of sunny yellow add to the natural beauty of our campus landscape, and their colorful appearance each year reminds our community of their significance.

At the end of May, Lisa Belokur, assistant director of Facilities Services, announced the College's plan to replace all the bathroom paper dispensers in the restrooms on campus over the summer. This move was necessitated in order to integrate Wasau Paper's *EcoSoft*[™] Green Seal[®]-certified paper towel and toilet tissue products which are 100% recycled content and processed chlorine-free. All the dispensers changed to over the summer months are compliant with the Americans with Disabilities Act, and the new paper towel dispensers are all touchless, not requiring the use of electricity or batteries.

Brad Buchanan, director of recreational sports, reports that the Fitness Center has leased 28 pieces of aerobic equipment, including bikes, ellipticals, and step machines that are all self-powered. Buchanan reports there is also self-powered cardio equipment in the community building in the College Circles.

In the Spring, the architectural firm Moody-Nolan visited campus to begin surveying users of the Athletics and Events Center to identify specific design parameters. On June 22, the team from Moody-Nolan presented their working plans for the new A&E Center during an open campus presentation. The team spelled out the high-performance sustainable design features of the proposed facility, including sophisticated strategies to maximize sunlight and ventilation, effectively manage storm-water, provide alternative landscaping, and incorporate elements to make the building reflect its natural setting. At that same campus presentation, architects and designers from HOLT Architects presented their plans for the new Gateway building, which will house student services like Admission, Registrar, Financial Aid, Bursar, and Career Services, and administrative functions including Human Resources, and the Offices of the President, Provost, College Counsel, and Finance and Administration. The design team from HOLT has committed to ensuring that the Gateway project achieves Gold certification, the second-highest level of high-performance sustainable design according to the Leadership in Environmental and Engineering Design (LEED™) standard developed by the U.S. Green Building Council.

Bill Bartnik, head of the College's electrical crew, led an effort to relamp the Center for Natural Sciences over the spring and summer, changing existing fluorescent lighting from standard T-12 to more energy-efficient T-8 lamps. Facilities Maintenance estimates that this exchange should save about 30% on electrical usage with these lights. CNS faculty have been tracking the building energy of their facility, developing baseline energy use data, against which they plan to develop strategies to reduce future energy use. Bartnik is also investigating installation of occupancy sensors in certain areas on campus to automatically turn off room lighting when spaces are not in use.

In late August, Mail Services supervisor Karen Serbonich reminded the campus community that the Office of General Services purchases 5,000 intra-campus/departmental envelopes for sending documents between campus departments. Serbonich pointed out that each reusable intra-campus mailer can be used for up to 48 different transactions, and that these envelopes can be ordered at no charge to departments.

Although the Sustainability Summit in April 2004 was the first time the concept was debuted, many campus catered events since have become "zero waste" events, using compostable paper plates, paper hot cups, unbleached recycled-content napkins, and biodegradable corn-based PLA™ plastic cold cups and eating utensils instead of petrochemical-based plastic items. Sustainability cafés have routinely been "zero waste," with special collection of food and serving waste items and transfer for processing in the campus' Compost Facility. The All-College Staff Meeting held on January 12th was a "zero waste" event, as was the IC Community Picnic in June. Catering Services reports that "Ithaca Today" events have also been "zero waste" this year. The IC Family Carnival, a popular community event held during the President's week public school break in February, supporting One-to-One Big Brothers and Big Sisters of Tompkins County, was a "zero waste" event, as was the Ithaca College team tent at the American Cancer Society Relay for Life at Lansing High School. Each event offers a "teachable moment," an opportunity to raise awareness and educate the attendees about more sustainable choices.

Ithaca College faculty and staff are encouraged by the College Parking and Traffic Bureau to use their TCAT bus pass to head downtown on the bus during their lunch hour instead of driving their car. Utilizing the combination parking/bus pass issued to employees by the Traffic and Parking Services office, the so-called "lunchtime amnesty" program allows those parked on campus to pull their pass out of its plastic hangtag during select mid-day hours, swipe the pass on the bus and ride – for free - from campus to the Commons downtown. The College underwrites 100% of the cost of staff and faculty who choose to ride the bus instead of drive to campus, and provides a 30% discount off the actual cost of students' bus pass purchases. Student bus passes are sold at the College Bookstore. There are several convenient bus stops on campus and bus schedules for routes serving the campus are available in various locations as well as readily viewable on-line at www.tcatbus.com

Ithaca College Dining Services held a training program for its one hundred employees on “*Diversity and Inclusion*”; many programs evolved as a result. Dining Services hosted a “*Soul Food Night*” for Black History Month and an “*Asian Food Night*” for April. Dining Services hosted an Employee Service Awards Ceremony at the Tower Club and managers are planning other events and programs to help increase employee cohesion. While Dining Services is a contracted service with Sodexo, many of the employees of the food service group are permanent fixtures on campus, some having worked in food service at the College for decades, remaining through various changes of management companies.

Site preparation began on April 24th for the new School of Business. The E lot was removed from the parking lot system to accommodate this preparation effort, taking sixty parking spaces permanently off-line. The Sustainable Transportation Committee, chaired by Brian Martinson, executive assistant to the vice president for finance and administration, works to strategize ways to improve the campus community’s utilization of alternative transportation, like walking, biking, car pooling, ridesharing, and use of public transportation to reduce reliance on use of single-occupancy-vehicles and ease pressure on campus parking.

Beginning in May 2006, Facilities Maintenance announced the implementation of new thermostat temperature set points in all buildings across campus. During the cooling season the set point will be fixed between 74-76° degrees, and during the heating season, thermostats will be set between 69-71°. Projected annual savings from this change range from \$125,000 to \$200,000. In keeping with this new set-point policy, Facilities leadership issued a directive that space heaters are to be removed from campus unless specifically approved by their staff. These new policies will help the College accurately monitor energy use in its buildings and determine which HVAC systems need to be renovated.

Over the summer, the college performed the first part of a two-phase project to upgrade heating, ventilating and air condition (HVAC) systems in a majority of our academic and administrative buildings. The upgrades focus on installing new variable-speed motors, drives, and monitoring systems on current equipment. The projected annual savings range between \$200,000 and \$250,000.

In Spring 2006, Ithaca College again participated in a friendly intercollegiate recycling competition, *RecycleMania*. The college finished as number fourteen in the nation with a recycling rate of 29.5%; this equated to about 23 pounds of recycled material per person. IC is perennially number one in New York State, this year outpacing Hamilton College’s 34th-place finish. Ithaca College also bested Harvard’s and Yale’s recycling rates for the second consecutive year.

On April 6th, provost and vice president for academic affairs Peter Bardaglio and environmental health and safety manager Michael Lewis met with department chairs and biology and chemistry faculty to discuss the findings and recommendations of the environmental audit conducted last Fall by staff from O’Brien and Gere, stressing the need for science faculty and student researchers’ cooperation to achieve full compliance, and to introduce the concepts of an environmental management system, which might be piloted in the Center for Natural Sciences. On May 2nd, Legal Studies student Shannon Service ‘06 and Lewis presented a report to the Planning and Priorities Committee (PPC). Service reported on her independent study analysis of the simulated environmental audit. That audit, similar to the one which inspectors from the Environmental Protection Agency conducted in 2001, uncovered some areas of continuing concern and potential repeat violations that warrant attention. Service and Lewis explained the concept of a formal environmental management system (EMS) approach to proactively identify and mitigate such health and safety concerns and avoid future environmental citations. The PPC will study the feasibility of a pilot EMS for the Center for Natural Sciences.

The Resource and Environmental Management program reminded students and faculty to recycle unwanted but useful office supplies to the Office Supply Collection and Reuse (O.S.C.A.R.) room rather

than throw them away at the end of the semester. Community members check out a key from the Information Technology Services Help Desk to access the OSCAR storage room to “go shopping” for free office supplies and to drop off unneeded items that might in turn prove useful for others.

The Student Government Association passed a resolution on April 11th to incorporate an \$800 fund for Sustainability Rewards into the executive board budget. Now any registered student organization on campus planning a large event can apply for up to \$100 in financial support for their event if they commit to making socially and environmentally responsible purchasing decisions and incorporate sustainable choices in the operation of their event, like specifying “zero waste” and minimizing the use of paper-based flyers for advertising.

The college made the decision to switch to more environmentally and user-friendly laundry machines. Beginning in the Fall 2006 semester, all laundry services on campus will operate without coin-operation or ID Express payment; instead, a set laundry cost will be incorporated into room fees. Washers and dryers in all the laundry rooms were replaced throughout the summer; the new Maytag *EnergyStar*TM compliant machines are much more energy-efficient and less water-consumptive. All laundry machines are internet-connected, enabling students to check the status of their laundry cycle on-line.

Due to increases in transportation costs, the Resource and Environmental Management Program issued an *Intercom* reminder to the campus community to recycle individual laser cartridges via the pre-paid shipping label that accompanies the installation instructions in the box. Small ink jet cartridges may be sent for recycling using pre-paid plastic envelopes provided in dispensers in various areas on campus.

Sodexo, the management corporation with which IC contracts for its dining services, has begun a new campaign called “*Sodexo Cares: Conserve Today, Save Tomorrow*”. The company designed a reusable mug in effort to cut down on the use of paper cups, reducing waste. With each mug purchased, Sodexo donates to the National Fish and Wildlife Foundation. These reusable mugs are often distributed for free at Dining Service events. In addition, customers who use their reusable mugs for refills of coffee and fountain drinks receive a 15¢ discount.

Resource and Environmental Program has acquired a number of 96-gallon totes. It is hoped that these smaller capacity, more easily maneuvered totes will help increase recycling response, provide the campus community with more containers for separation of waste, and provide more support for special recycling collections, especially during student move-out at the end of the semester both on campus and at College Circle apartments.

The Wellness Clinic hosted a stress reduction program in January. The program involved learning simple tools for gaining greater awareness and ease through mindfulness, using meditation, body scans, and gentle yoga. The program was open to all faculty and staff. The Fitness Center offered personal training packages for the summer to members of the campus community.

REMP has restructured its Reps program; now there is one paid Rep captain per residence hall “cluster.” Rep captains conduct peer-to-peer education, provide residence hall programming and bulletin board information displays, and rotate the *Installments* informational flyers mounted on the inside of bathroom stall doors. Each Rep captain recruits, trains, and supports volunteer reps in each building, allowing for development of skills and experience with the REMP educational programming, and offering a leadership opportunity for environmentally-aware volunteers to “prove themselves” and advance to a paid REMP Rep captain position in future.

The College selected *The Standard* as its new short and long term disability carrier. *The Standard* was selected to administer our disability programs because of their outstanding reputation for having a focus

on the higher education community and ability to address needs unique to that population, their superior claims processing ability, and their excellent customer service. This change underscores the College's commitment to its employees and their families.



This spring, Grounds crews were busy spreading “double cut mulch” around campus plantings on main campus (*see photo at left*). This landscaping mulch, a reclaimed waste-wood product composed of ground and composted wood shavings, is obtained from a local company called *Got Mulch*.

The IC Environmental Society invited members of the community on campus during the summer to participate in the maintenance of its organic garden. This summer marked the fifth year of organic gardening on campus, and the third year of the organic garden in its present, visible location outside Williams Hall. Garden volunteers were extended first opportunity to collect and enjoy fresh, homegrown organic produce. Crops include lettuce, peas, radishes, squash, tomatoes, carrots, pole beans, broccoli, kale, strawberries, melons, herbs, cosmos, and nasturtiums.

As a Spring fundraiser, the Biology Club sold *Klean Kanteens*[™], reusable, risk-free stainless steel containers, tested to be 100% free of heavy-duty metals and toxins, hazardous materials that can leach into the contents contained in other types of common refillable beverage containers.

During the Fall semester, consultants working for the *Energy\$mart Office* project, sponsored by the New York State Energy Research and Development Authority (NYSERDA), conducted a free audit of college facilities, seeking to identify sources of electrical energy waste at Ithaca College. In February, the consultants presented their results and recommendations to college community members. It was found that through engaging power management options available on campus computer equipment and other relatively easy and low-cost technological fixes, the college could save almost \$150,000 per year. The auditors noted that, unlike a number of institutional partners who had undergone similar energy waste reduction audits, the financial savings Ithaca College might net - while still substantial - are not as great as other campuses have reaped, because IC has already made great strides to address a number of the common areas of energy waste, including specifying the purchase of *EnergyStar*[™] equipment.

Ithaca College Natural Lands committee (ICNL), which is co-chaired by Jason Hamilton, assistant professor of biology, and Rick Couture, director of Facilities, had a very active spring. The committee has a stated mission to preserve the ecosystem services of the natural areas of the College, including undeveloped areas of the South Hill campus and a 135-acre wooded property in the Town of Newfield owned by the College. The committee's intent is to continue to support the academic, research, and recreational uses of the properties. ICNL will work with Mike DeMunn of Finger Lakes Forestry to develop a sustainable forestry management plan for the Newfield property, which has been divided into two separate components: the Bob Robinson Preserve, which, because it harbors several unique natural areas, will be restricted to approved academic and research activities; and the Ithaca College Natural Resources Reserve, which is less ecologically sensitive and therefore more suitable to recreational use. The ICNL developed draft use permits for academic field trips into the preserve area. The reserve portion is being evaluated for other non-timber forest product development, like the shiitake mushroom pilot project introduced this summer. On South Hill, ICNL erected deer exclosures to monitor the impact of deer browsing on forest regeneration and worked with New York State Electric and Gas to research appropriate maintenance regimens for utility rights-of-way to preserve biodiversity.

Intercom, the electronic news resource for events and activities on campus, was adapted and rolled out for use by students. Using this notice system helps to further reduce the number of posters and flyers created to help advertise campus events and activities.

The Office of Affirmative Action and Equal Employment Opportunity implemented electronic versions of the Authorization for Recruitment and Waiver to Post forms, a move which reduces costs by eliminating the use of multi-part NCR forms that had to be completed on a typewriter, and increases the efficiency of the process to initiate recruitment searches and department hires.

A sixth cohort of LeaderShip participants completed the training course this year. In alignment with the institutional plan, the LeaderShip program, offered by the Office of Human Resources, provides the opportunity for College employees to develop leadership skills in an environment of support and camaraderie with a diverse cohort of fellow Ithaca College employees. According to staff development manager Mary Tomaselli, during a Leadership training session titled “*Leading a Successful Change Initiative*,” the Sustainability Initiative and the stakeholder team planning process for the new School of Business were cited as positive examples of campus change.

Accounts Payable implemented a system to use electronic funds transfers (EFTs) to effect payment to College suppliers, saving time and money by eliminating the production and mailing of paper checks.

During the summer, the Physics department completed the sustainable renovation of one of its teaching labs. Throughout 2005, under the direction of assistant professors Michael “Bodhi” Rogers and Luke Keller, and associate professor and department chair Dan Briotta, the Physics department has been testing and developing curricular content to support an innovative pedagogy for teaching undergraduate physics. Called SCALE-UP, this new format combines lecture and lab activities in the same space, supporting active learning through simulations and hands-on activities, and facilitating report-writing and research through networked computers at each student group workstation. In order to create the space necessary, the Physics department needed to create one large multi-purpose room out of three former traditional Physics labs. Early on in the planning phase, Rogers posed the interesting question, “*How could we make this renovation project a sustainable project?*” The design team from Robert A.M. Stern was hired to help the Physics department and Facilities answer that question. Among the sustainable strategies employed were salvaging and reusing instructional furniture and materials like blackboards and casegoods, and collecting and separating construction debris. Furniture with sustainable features was specified for purchase or specially constructed for the project. Rogers has worked with Steve Dayton from Facilities Planning, Design and Construction group to determine the LEED™ points this project would have earned had it been registered with the U.S. Green Building Council.

The Office of Human Resources began its *BeneFits Your Life* wellness program, an employee education and awareness program. The effort focuses on offering activities, events and education and training programs designed to encourage employees to assume greater responsibility for their health choices and to promote a healthy lifestyle. During summer 2006, the *FitWell* program offered a 6-week team challenge to encourage exercise and healthier eating habits, and offer educational opportunities. Over 110 faculty and staff signed up, forming 13 teams of 8-10 members each, with each member of the team logging their accumulated points online.

The Office of Human Resources has also begun a new employee recognition program titled “*You make a difference!*” The purpose of the program is to encourage employees to recognize the contributions their colleagues make here at IC. Human Resources staffers distributed pre-printed appreciation note cards and buttons to help employees recognize their peers and proudly display the fact that they make a difference at IC.

Students for Sustainability, Student Government Association’s sustainability committee, Residence Hall Association, residents from the Sustainably Conscious Living Community, and IC Environmental Society teamed to run a campaign to encourage renewable energy use by the college. Students went into professors’ classrooms giving brief educational presentations about the importance of renewable energy

in today's world. 558 surveys were collected, with results indicating that 96% of students would consciously use energy-saving practices if the energy savings from their actions went into renewable energy purchasing; 70% of students would pay a small tax to help the College pay for wind energy; 87% wanted to see the administration invest in renewable energy purchasing; and 80% committed to implementing energy management strategies. On February 14th, the Student Government Association passed a resolution in favor of renewable energy purchasing.



Scale model of the new high-performance School of Business

The formal groundbreaking ceremony for the School of Business construction project occurred on May 12th. The project is well underway and still on target to complete in Fall of 2008. A website has been developed with a jobsite webcam to provide real-time views of the project: <http://www.ithaca.edu/business/>

In an *IC Quarterly* interview with Susan West Engelkemeyer, dean of the School of Business for the school's updated website, she explained how the new LEED™ Platinum-rated School of Business will support business curriculum modified to incorporate sustainability thinking and practice:

We need to provide a setting that facilitates exchange among different perspectives and develops a deep understanding and awareness of cultural differences... Every aspect [of the building] will foster interaction and build a sense of community. The classrooms are flexible and designed for interaction, the social areas are abundant and inviting, and spaces will be carefully shaped to encourage teamwork and emphasize networking skills. The building also reflects a significant commitment to sustainability and will be a living teaching tool, bringing to life the lessons of sustainable practices delivered by our curriculum. For example, a display will track the operating costs of our building compared to an ordinary building of the same size. We will experience at least a 50% reduction in operating costs. The design itself is a physical representation of sustainability: the south side contains a wall of glass whose passive solar system reduces energy costs and brings natural light in to enhance the work environment... Sustainability touches every aspect of business management; it incorporates the "triple bottom line" of people, planet, and prosperity. Students who pass through our programs receive a solid grounding in sustainable practices and corporate social responsibility. Most of our graduates move on to profit-driven businesses where success traditionally has been measured via a financial bottom line. However, there are competing -- even conflicting -- demands on organizations, and good managers need to know how to balance all the pieces. Green for green's sake is generally not a viable strategy; rather, leaders must invest in systems that reduce the environmental impact while reducing operating costs and providing an appealing and inspirational workplace... Our new building will be inviting and cost efficient, and will reduce its environmental impact through features such as a vegetated roof. It will have 50% lower operating costs than similar buildings; our investment in HVAC and other systems will have a payback in three to five years. Our design builds community through open stairwells, a large atrium that is our "family room," and naturally lit workspaces.



Campus in-reach and education

This year's edition of the Ithaca College Admissions Viewbook featured three students highly involved with campus sustainability activities. Kaitlin Regan '07, a business administration major, discussed her plans for a career in marketing for sustainable development. Rob Cook '07, an outdoor adventure leadership major, was listed as a member of Ithaca College's Students for

Sustainability. Anna Day '08, an environmental studies major, co-founder of Students for Sustainability, and chair of the Student Government Association ad hoc sustainability committee was featured. Anna talked about the campus sustainability initiative and related campaigns.

Resource and Environmental Management Program (REMP) summer intern Jack Haurin '08 developed informational packets for orientation/first year education. Jack was on hand for the campus services exposition during each orientation session, handing out information on REMP and its efforts to encourage recycling and reduce resource waste. Jack also offered incoming students information about the activities of the IC Environmental Society and Students for Sustainability and extended incoming first years an invitation to join other active students interested in campus sustainability.



Anna Day (right) explains the Sustainably Conscious Living Community to an interested student during Campus Sustainability Day 2005.

During the spring semester, the Ithaca College Residence Hall Association Sustainability Ad-hoc Committee and Students for Sustainability teamed to conduct a campaign on energy reduction called “*Save the Green!*” Both groups distributed flyers to campus residents encouraging them to engage in certain energy-saving practices like turning off computers systems overnight and taking shorter showers, and included the potential monetary savings which could be realized through personal implementation of each action.

On February 14th, the Student Government Association unanimously passed a resolution requesting that the College purchase energy derived from renewable sources, suggesting that dollars saved through the implementation of energy conservation measures outlined in the campus plug-load audit and energy reduction measures that students committed to undertake should be used to underwrite any premiums for purchase of renewable energy. The SGA resolution further requested that “*Ithaca College invest in renewable wind energy with the ultimate goal of becoming carbon neutral; and in doing so, become further established as one of the nation’s leading proponents for sustainability.*”

A Facebook group was created titled “*Gas is Expensive, let’s carpool*”. Facebook, a web-based interactive social network commonly used by students, provides a place for students to connect around different issues of interest. This group allows students to hook up for rides to and from school on breaks.

Sweta Shah '07, a resident assistant in Garden Apartment 25, introduced the Earth Café 2050 program to her residents to educate them about ecological footprinting.

Discussions of a student-run food cooperative began on campus in the Spring and are on-going. Students for Sustainability hosted a meeting to brainstorm ideas for starting and supporting a co-op.

Through an *Intercom* posting, the Exercise Professionals Major Club offered to present workshops at the campus meetings of faculty and staff groups, giving current and up-to-date information on ways to improve by actively participating in healthy lifestyle habits.

The Sustainably Conscious Living Community on the first floor of Terrace 3 undertook several educational activities this Spring. The community took a field trip to the Fenner wind farm and another trip to Cornell’s Ecology House. Provost Peter Bardaglio and Office of Residential Life director Bonnie Prunty attended a floor dinner in April with the community. The group also held two outreach events for prospective residents: a community dinner and an open house, which were very successful. 32 students applied to live on the floor for the 2006-2007 academic year.

On-campus events and presentations

On January 25th, IC Dining Services hosted its annual 4th annual Culinary Showcase, which carried the theme of "*balance mind, body, and soul*" and offered free, healthy food samples to attendees. Jeff Scott, general manager of dining services, offered a presentation on "*Sustainability and IC Dining*" to a packed room. Registered dietitian Julia Lapp, assistant professor of health promotion and physical education, presented "*The Myth of the Freshman 15.*" The showcase concluded with keynote speaker, Rick Peyser, director of social advocacy and public relations for Green Mountain Coffee Roasters, presenting on fair trade coffee. Peyser is the president of the Specialty Coffee Association of America, the largest coffee trade association in the world. Peyser is also a member of the Board of Directors of Fair Trade Labeling Organizations International (FLO), which sets the international standards for Fair Trade that benefit over a million small-scale farmers around the world.

On January 30th, the Student Government Association ad-hoc committee on Sustainability hosted assistant professor of biology Jason Hamilton, speaking on "*What Kind of World do You want to live in? YOUR health, YOUR money, YOUR planet, YOUR future, YOUR DECISION.*"

From January 30th to February 2nd, Bill Roorbach '76 spent time at Ithaca College as part of the Department of Writing's Distinguished Visiting Writers series. In addition to holding a master class and informational meetings with students, Roorbach gave two public presentations, one on *Into Woods*, his personal collation of essays, and the other on his latest book, *Temple Stream: A Rural Odyssey*. Roorbach, according to Carole Goldberg of the Hartford Courant, is a "*brilliant guide to the natural world. Gracefully combining deep knowledge, lyrical description and wry humor, his writing draws you out of your chair and into a world of streams and meadows and trees and bugs and beavers. And it makes you want to stay there.*"

On February 6th, the Office of Career Services hosted a visit by the Green Corps to discuss employment opportunities available through the organization's Environmental Leadership Training Program. Green Corps is a non-profit field school for environmental organizing, founded to identify and train the next generation of environmental leaders.

On February 7th, the *Ithacan* Roundtable Series hosted Mohammed Zin Nordin, associate professor and dean of the School of Communication at the Universiti Sains Malaysia, who delivered a presentation on the challenges of fostering "*Environmental Literacy*" in Malaysia.

During the week of February 6-9th, the Student Government Association ad-hoc committee on Sustainability conducted a food survey demonstration in the dining halls. SGA members scraped extra food into compost containers outside of the dish rooms while talking with students about the importance of not wasting food. 220 pounds of food were collected in one hour. Laminated signs reminding students about the issue of food waste were permanently posted at the beginning of lines in the dining hall encourage students to take only what they plan to eat. Anna Day '08, chair of the committee, published a guest commentary in the *Ithacan* on March 2nd, publicizing the results from the event and encouraging students to think twice about how they eat in the dining halls. The committee has also discussed with dining service management the concept of a food salvage program between the dining halls and local charities.

Marian Brown, special assistant to the provost, hosted two teleconferences, one on "*Waste Reduction Strategies*" on February 8th and "*Ecological Building Design*" on February 23rd, both featuring speakers from higher education institutions. The events, sponsored by the National Wildlife Federation's Campus Ecology program, were open and advertised to the local community and other area campuses. Zach

McKenna from Hartwick College's Pine Lake campus, Patricia Haines from the Level Green Institute, and students from Cornell University's design program attended sessions.

On February 15th, Jim Armstrong, CEO of Good for Business, spoke on "*Marketing's Footprint: Communicating with a Conscience*" as the third speaker in the School of Business' Sustainability Speaker series. In his talk, Armstrong explained the business strategy of his company, a communications firm he founded in order to help clients capture and communicate their causes and build their core beliefs into enduring value systems.

On February 16th, as part of the Center for Natural Sciences Sustainability Group seminar series, Brent Katzmann, chair of the Ithaca Green Building Alliance and owner of his own design and building firm, presented a primer on "green building."

On February 21st, the Ithaca College Environmental Society, IC Students for Fair Trade, Students for a Just Peace, and the Resource and Environmental Management Program teamed to present "*Affluenza*", a film about the social, economic, and environmental threats of over-consumption. Michael Smith, assistant professor of history, led a Q&A session following the film.

On February 26th, the Tompkins Renewable Energy Education Alliance (TREEA) presented a seminar on Community-Owned Wind Projects in New York State in the Center for Natural Sciences. Assistant professor of physics Beth Ellen Clark Joseph serves as convener for this group, which includes representatives from Cornell, Sierra Club, Tompkins County, the Environmental Management Council, Cornell Cooperative Extension, and other individuals and organizations.

The Office of the Provost hosted a webcast titled "*Finding the Competitive Edge: The Financial Benefits of Creating a Sustainable Campus*" on February 28th. Moderated by Hunter Lovins, one of the authors of "Natural Capitalism," the event attracted 25-30 attendees, including members of the New York State Alliance of Sustainable Campuses. 8-10 students and faculty from Cornell attended along with Zach McKenna from Hartwick College's Pine Lake environmental campus.

Ten student organizations joined together this semester to form what they termed the Progressive Alliance. The purpose is for the organizations in the alliance to offer one other support and motivation for their individual and overlapping causes. The alliance members teamed to host a "*Give a Damn Fair*" on March 1st. Each group tabled with information about their respective cause and related legislative actions pending. Attendees were encouraged to call or write letters to their state representatives asking them to support legislation in favor of these progressive causes. The Progressive Alliance includes students from IC Fair Trade, IC Feminists, Buzzsaw Haircut, IC Environmental Society, Students for Sustainability, Prism, Amnesty International, Boundless Ethics, Students Take Action Now in Darfur (S.T.A.N.D.) and Students for a Just Peace.

On March 2nd, the Health Promotion Committee and the Safety Awareness Committee co-sponsored a Health and Safety Fair for the campus community to learn about health and safety resources both on- and off-campus. Over 30 exhibitors took part in this year's event, including: Adventure Recreation Club, Alcohol and Drug Council, Fitness Center, Hammond Health Center, nutrition counselors, Planned Parenthood, Public Safety, Red Cross, Sexual Assault Awareness Committee, and the Wellness Clinic.

On March 13th, the Ithaca College Integrative Health Society sponsored a discussion by certified reflexologist Cat Berry on the healing modality of reflexology.

The Office of Multicultural Affairs presented its second annual "*Mug to Mug: Erasing Borders through Conversation*" event on March 16th. Informal discussions led by IC faculty on various topics of diversity included "*Ethnic Food and Cultural Diversity in Ithaca*," presented by Brooke Hansen, assistant

professor of anthropology, and “*Sustainability is Diversity in Action*,” presented by David Saiia, assistant professor of business administration. Free reusable mugs were given to the first 100 participants; these mugs can be used at campus retail food operations for discounted beverage purchases.

Information and Technology Services held its annual Ed Tech Day on March 16th. The Purchasing department has established on-line office supply ordering with desktop delivery service from two major suppliers, including Staples Business Advantage, which participated as an exhibitor. Staples provided information about its dedication to corporate social responsibility, protecting the environment, and giving back to communities in which they work. Also featured at the event was a display about the School of Health Science and Human Performance’s Assistive Technology Laboratory, an interdepartmental community resource including technological equipment for improving the functional capabilities for people with disabilities. Additionally, Day Automation Systems was on exhibition; Day is the contractor that provides technology support to monitor and control campus building HVAC systems, to improve energy efficiency.

This year’s 2006 C.P. Snow Lecture Series presented Manjul Bhargava, who spoke to a large crowd on “*Drumming and Poetry, the Nature of Human Thought and the Origins of Mathematics*.” Bhargava integrated his lecture on March 16th with percussion performances using a tabla. The lecture series honors the work of C. P. Snow, British philosopher, physicist, biographer, novelist, and social critic who believed that communication among mainstream scientists, social scientists, and humanists was the greatest avenue to social progress.

On March 23rd, the School of Humanities and Sciences, as part of its 50th-Anniversary Celebration, hosted a seminar titled “*The Art of Birds: Alumna Journey through Biology*” featuring Karen Allaben-Confer ‘69, an acclaimed local wildlife artist who specializes in painting birds. Allaben-Confer also mounted a show of her work at Wells College earlier this year.

On March 30th, the Center for Natural Sciences (CNS) Sustainability Group hosted Gay Canough from ETM Solar Works as part of their educational seminar series. Canough spoke on “*Harvesting Solar Energy for Electricity and Heating Electricity Farming: How to Grow Your Own*.” While on campus, Canough performed a survey of the roof of the Center for Natural Sciences and provided a feasibility report outlining that - if covered with flexible photovoltaic sheeting and fixed PV panels - the CNS roof could produce up to 40 KW of energy.

For the Gerontology Spring Workshop series beginning on April 5th, associate clinical professor Barbara Belyea and associate professor of exercise and sport science John Sigg conducted a workshop titled “*Staying Healthy Over Time: Improving Physical Performance and Preventing Injury*.”

Ithaca College held its annual Celebration of Community Service on April 6th to honor students, staff, and administration who performed acts of community service during the past year. On the following Saturday, members of the community gathered for the annual South Hill Community Cleanup. One feature of this year’s service celebration was a presentation by students who participated in the New Orleans Alternative Break program, in which students traveled to the Gulf Coast during the campus’ spring break to participate in clean-up efforts in the aftermath of Hurricane Katrina.

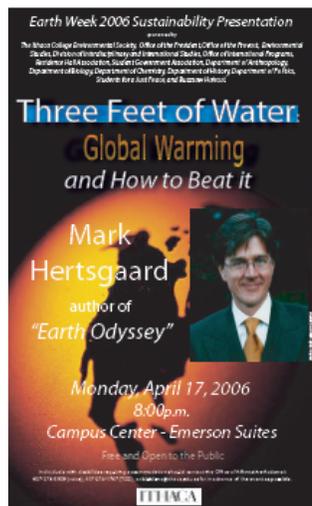
On April 10th, the Ithaca College Environmental Society sponsored a visit by representatives of the Natural Resources Defense Council to discuss implementing a “*Better Paper Choices*” campaign for the fall semester. The NRDC noted our well-established paper-saving activities like duplex printing in computer labs and a 30% recycled-content standard for office paper. The “*Better Paper Choices*” program presents an opportunity for students, faculty and staff to unite with help from the NRDC to achieve further successes, like integrating 100% post-consumer recycled-content paper for office use.

Over the summer, REMP interns Amanda Block '07 and Jack Haurin '08 collaborated with campus managers and staffers from the NRDC to prepare background and informational materials for a paper use reduction campaign for Fall 2006. Aspects of campus paper choices will also be tackled by the three sections of the Ithaca Seminar course, *Sustaining Our Worlds*, to be team-taught in Fall 2006 by David Saiia, assistant professor of business management, Nancy Jacobson, assistant professor of biology, and Jim Rothenberg, professor of sociology.

On April 11th, the stakeholder team for the School of Business building project convened to receive an update from the architect-led design team from Robert A.M. Stern. The group also heard a presentation by Beth Ellen Clark Joseph, assistant professor of physics and John Confer, associate professor of biology, on the proposed project to erect a 1MW wind turbine on campus.

On April 13th, Thad Fortin, CEO of Haas TCM, the world's largest privately-held chemical management firm, was featured as this year's speaker in the School of Business' Distinguished Executive Lecture Series. Fortin emphasized his company's focus on sustainability, pointing out that "...the less chemicals a company uses, the more money we make."

Boundless Ethics, a student organization dedicated to fostering veganism, screened the film "*Wegman's Cruelty*" on April 13th; the event was attended by the filmmakers from Compassionate Consumers.



The College celebrated Earth Day for a full week this spring, beginning on April 17th. The Ithaca College Environmental Society planned earth-related events for every day of the week. An evening with Mark Hertsgaard, author of *Earth Odyssey*, was the kick-off event for this year's series of Earth Week activities. On the 17th, Hertsgaard spoke during an informal lunchtime Sustainability Café that included local and organic "*teachable edibles*" provided by GreenStar Cooperative Market. In the evening, Hertsgaard delivered a compelling speech titled "*Three Feet of Water: Global Warming and How to Beat it*" to an enthusiastic and receptive audience of about three hundred. ICES offered its successful Earth's Muse Open Mic Night on April 18th, providing an open forum for poetry and fiction readings and live music. On April 19th, an evening Vegetarian Teach-In was offered. Free food for dinner was provided by Greenstar Cooperative Market for those who listened to a panel of IC and community members talk about the environmental

benefits of vegetarian food. The dinner was followed by a showing of the documentary, "*The Future of Food*." A Hemp Teach-In on April 20th allowed attendees to learn about the differences between hemp and marijuana and see examples of hemp fiber products. Earth Fest 2006 on April 21st extended an opportunity for various student organizations and campus programs to provide information about their efforts; participants included IC Environmental Society, Students for a Just Peace, IC Fair Trade, Students for Sustainability, IC Feminists, Students Take Action Now in Darfur (S.T.A.N.D.), Resource and Environmental Management Program, IC Natural Lands, Amnesty International, Buzzsaw Haircut, and the Sustainably Conscious Living Community. ICES teamed with the Friends of Six Mile Creek to install bluebird houses in the wildflower preserve and share a dish-to-pass picnic on the 21st.

The Center for Natural Science Sustainability Group held an Earth Day Reception on April 21st in the lobby and greenhouse deck of the Center for Natural Sciences. Displays at the reception included posters of various student research projects, Resource and Environmental Management Program information, demonstration of real-time data display connected to the solar trailer, a truck-mounted wind turbine demonstration, Earth Café 2050, the activities of Students for Sustainability, and guided informational tours of the new Chapel pond solar fountain.

ICES closed its Earth Week festivities on Earth Day, April 22nd, with a field trip to the Museum of the Earth. Attendees heard a presentation from a “garbologist”, saw a demonstration of the geothermal system that powers the museum, and learned about the inner workings of an active compost heap.

The N.I.C.E. I.D.E.A committee of the Residence Hall Association and the IC Environmental Society teamed up in conjunction with the “*Take It or Leave It*” program to host the first annual IC Flea Market on April 24th and 25th. The event was an opportunity for IC and Cornell students, as well as residents of Ithaca, to sell their unwanted goods before leaving campus for the semester. Campus groups purchased table space for \$2.00, selling items and raising money for their own groups. The goal of the project was to reduce overall campus waste at the end of the semester and to help support student clubs.

On April 25th, the College hosted a NABUCO webcast titled “*Renewable Energy: Saving and Making Money for Your Institution.*” The webcast emphasized the choices and costs institutions face in purchasing renewable energy, how to purchase renewable energy with an eye towards minimizing costs, and how to analyze whether to build a generator on campus or ‘buy through the wires’. The webcast was attended by Zach McKenna from Hartwick College, Carl Sgrecci, vice president for finance and administration, Rick Couture, director of Facilities, Beth Ellen Clark Joseph, assistant professor of physics, and Marian Brown, special assistant to the provost.

Dr. William J. Makofske, professor of physics at Ramapo College of New Jersey, offered a discussion on April 27th about “*Wind Energy: Supplying Clean Energy for America*” as part of the Sustainability Café series.

On May 9th, assistant professor of history Michael Smith spoke during the Spring Faculty Conference about his work on “*Local Environmental History, A Sense of Place and Ecological Citizenship.*” Also featured was Srijana Bajracharya, associate professor of health promotion and physical education, who presented on her work related to “*An Assessment of Knowledge Regarding Colorectal Cancer (CRC) and Perceived Benefits and Barriers to Screening for CRC Among College/University Employees.*”

During Alumni Weekend 2006, June 2nd-4th, Mark Darling conducted a “*Tour of Forbidden Places*” on campus. During this “*behind the scenes*” tour of campus, Mark was peppered with questions about the School of Business project and its planned “green design” aspects. Mark Cordano, associate professor of business administration, coordinated a wine tasting featuring some of the wineries in the area incorporating sustainable practices and he offered a presentation on sustainable winemaking.

During the Day of Learning on June 8th, the annual day-long staff development opportunity programmed by the leadership development staff in the Office of Human Resources, associate professor of biology Susan Swensen offered two afternoon sessions, one on Global Warming and the other on Sustainability. The steady rainfall that day did not dampen the enthusiasm of the intrepid bunch of hikers who joined Recreational Sports director Brad Buchanan on a guided walking tour of the nature trails on South Hill.

On July 20th, a committee of staffers from Institutional Advancement, including Maura Stephens, editor of the IC Quarterly, Ashley Fazio '06, editorial assistant for admissions publications and the ICQ, Nancy Jacoby, writer/editor for admissions publications, Jennifer Savran, web writer/editor, and Sean Vormwald '01, assistant director of alumni relations, hosted an educational event for their colleagues in the division of Institutional Advancement. Called “*Bringing Sustainability Home,*” this was the second of a bimonthly series of IA staff gatherings. This 1-1/2 hour gathering in Alumni Hall was envisioned by the organizing team to be not only fun but educational. The afternoon started with assistant professor of biology Jason Hamilton providing an abbreviated version of his very popular, thought-provoking talk titled “*Our Quest for a Sustainable World: What we know, What we can do.*” Assistant professor of physics Beth Ellen Clark Joseph was on hand to demonstrate the mobile solar trailer, which was

relocated from the science building for the afternoon. The organizing team led interested attendees through Earth Café 2050, the interactive demonstration of ecological footprinting, or directed them to check the impact of their consumption habits by completing the on-line Global Footprint Quiz. Much of the food provided was local and organic and the event was a “zero waste” event. Door prizes were given out to reward attendance, and prizes included compact fluorescent lamps, *Ithaca ArtBar*® organic chocolate bars, and tickets to local screenings of “*An Inconvenient Truth*.”

Outreach to the local community

Project Look Sharp, the campus media literacy program, received grant funding to develop their newest educational kit intended for use by secondary school teachers, titled “*Media Construction of the Environment*.” The project is hiring student interns to help with web design, historical analysis, writing, editing, e-publishing, image and video editing, and marketing and promotion. Also working on the development of this project is Dan Flerlage, environmental studies teacher from the Lehman Alternative Community School.

After more than 200 years, with help from two IC faculty members, the Cayuga Indian Nation once again owns a part their ancestral land alongside the east shore of Cayuga Lake. Haudenosaunee, the original name the native people called themselves, means “*people building a longhouse*.” Several years ago, with the assistance of anthropology professors Jack Rossen and Brooke Hansen, 70 acres of land along the Great Gully north of Aurora, New York were purchased; title to the farm property formally transferred to the Haudenosaunee people early in 2006. The land purchased in the original Indian homeland has enabled the creation of the “Strengthening Haudenosaunee and American Relations through Education” (SHARE) farm. The Haudenosaunee people are currently considering the development of a native language school and recreation of a longhouse as well as demonstrating traditional native farming techniques. Rossen and IC anthropology students have conducted numerous archaeological digs of the area, identifying the locations of longhouses abandoned by the indigenous peoples at the time of General Sullivan’s march through the area during the American Revolution.

Sarah Naylor ‘07, supervised by assistant professor of history Michael Smith, was awarded a summer Dana internship. Sarah worked with Gay Nicholson, program coordinator for Sustainable Tompkins and community member Steve Clapp to help develop the concept of a Green Resource Hub which is being planned for Ithaca. Sarah conducted surveys at local events, including the local Antiques Roadshow at the Commons and the Green Building Fair at the Farmer’s Market. Sarah’s survey work measured consumer response to the concept of a local showcase of “green” building and home products and gauged respondents’ interest in taking classes and seminars from local building professionals on how to integrate new products and alternative energy technologies into their homes and business.

On January 10th, for a crowd of about 100 attendees, Ithaca College hosted a screening of the film, “*The End of Suburbia: Oil Depletion and the Collapse of the American Dream*”, as the kick-off event for the Green Building Seminar Series co-sponsored by the Ithaca Green Building Alliance, Cornell Cooperative Extension, and Sustainable Tompkins.

On January 12th, Scott Erickson, associate professor of marketing, presented on “*Social Marketing: Building a Broad Social Movement*”, for the Sustainable Tompkins monthly gathering. “Social marketing” is a concept derived from marketing theory to address the desire of organizations to encourage or discourage certain behaviors among the general public.

On January 26th, Ithaca College co-sponsored an informational summit on carsharing at the Tompkins County Public Library. In Spring 2005, a group of four business students in professor Granger Macy’s entrepreneurship class developed a business plan for a car share program at Ithaca College. Dan Roth, a

graduate student at Cornell and an EcoVillage resident, received an NSF mini-grant from IC in summer 2005 to help develop a car share program for EcoVillage. Following the summit, a carshare steering committee was formed, comprised of representatives from Ithaca College, Cornell University, Ithaca Tompkins County Transportation Council, the City of Ithaca, Curb Your Car coalition, EcoVillage, Tompkins Consolidated Area Transit (TCAT) and interested individuals. The steering committee has studied the experience of the EcoVillage informal carshare program and worked to refine the IC students' original business plan to create a workable, marketable program. The steering committee, including Operations Committee chair Granger Macy, associate professor of business administration, and Funding committee chair Marian Brown, special assistant to the provost, prepared a proposal for start-up funding for a pilot carshare program through a joint grant to the New York State Energy Research and Development Authority (NYSERDA) and the NYS Department of Transportation. The pilot project calls for the placement of a "pod" of two carshare vehicles on the IC campus in Fall 2007.

On March 6th, David Saaia, assistant professor of business administration, Hormoz Movassaghi, interim associate dean of the School of Business, and Marian Brown, special assistant to the provost, were invited to attend a special presentation sponsored by Tompkins County Area Development (TCAD). Dr. Paul Tebo, president of the Tebo group, visiting executive for the Center for Sustainable Global Enterprise at Cornell and retired vice president of DuPont, presented on building business value through sustainable growth. Before his presentation, David Saaia met privately with Tebo for an hour to discuss sustainable business models.

Assistant professor of biology Jason Hamilton presented his talk, "*Global climate change and what we each can do about it*" to forty members of the local community at a Sustainable Tompkins monthly gathering on April 6th.

Students from lecturer Julie Grossman's Environmental Science II class, interns from the Ithaca College Resource and Environmental Management program, and members of the Tompkins Renewable Energy Education Alliance all provided informational displays at this year's Earth Day Festival event at the Farmer's Market on April 23rd. Students for Sustainability offered interactive activities and games for kids. Mark Darling, supervisor of recycling and resource management and a certified "master composter," served as "*Dr. Compost*," answering questions about starting or improving home composting operations. A special feature of this year's Festival was the "Re-Imagine Style" fashion show, the culmination of a refashion design contest held during the Spring. The competition was envisioned by its two organizers - one of whom was EcoVillage at Ithaca mini-grant recipient Valorie Rockney - as a first step toward creating a niche for clothing reuse in the region. In the month preceding the fashion show, over a hundred local residents and students created new apparel items "refashioned" from used clothing and recycled material, submitting them for independent judging in different categories. The winners were announced and all the winning entries and many of the runner-up fashions were displayed in a runway-style fashion show at the Farmer's Market. Student Lauren Minis '06, working as an intern for Tompkins County Solid Waste, helped to organize the event and also served as a model for the show. Amy Cohen '08 and Megan Henry '09 both entered refashioned garments in the contest; Henry received an award for her submission and also modeled her re-fashioned garment. Marian Brown, special assistant to the provost, helped to judge design entries in the children's division.

On April 28th, special assistant to the provost Marian Brown, Jeff Scott, director of dining services, Lael Gearhart with Cooperative Extension of Tompkins County and coordinator for the Local Foods working group, Tom Frank, member of the Ithaca City School Board of Education, Dan Flerlage, environmental educator at Lehman Alternative Community School, and two LACS students attended a luncheon discussion with John Turenne, president of Sustainable Food Systems, LLC. Turenne, who has

consulted for Yale University, Brown University, and many corporations, offered advice on how to integrate locally-grown and ecologically-conscious food programs at IC and Ithaca City schools.

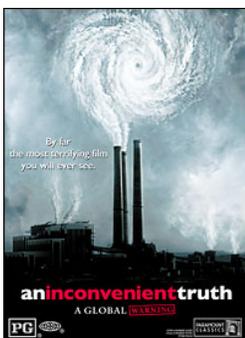
Longview, the senior care facility located near the Ithaca campus with which our Gerontology Institute maintains an academic partnership, hosted a special Open House on May 6th in honor of Older Americans Month and to enhance the community's awareness of the retirement living options and care services available locally. Longview also hosts a Head Start program for neighborhood families; a dedicated program placement for the child of an IC employee has been established. Children in the Head Start program participate in a variety of activities to increase their language, social, physical and cognitive abilities and help prepare them for school.

The Society for Human Resource Management (SHRM) of Tompkins County held a day-long conference on campus on May 18th. The conference theme, "Business Success through Strategic HR," was explored by presenters including the Cornell Interactive Theatre Ensemble and Carl Sgrecci, vice president for finance and administration. Sgrecci led a breakout session titled "*Finance 101 for Human Relations Professionals.*"

For the first-ever Sustainability Fair during the Ithaca Festival on June 4th, Ithaca College Environmental Society volunteers Amanda Block '07, Andrez "Garik" Perez-Charneco '06, and Jack Haurin '08 were on hand to serve up Earth Café 2060, the interactive demonstration of ecological footprinting developed two years ago by students in the Environmental Studies capstone course. Representing the Tompkins Renewable Energy Education Alliance, Beth Clark Joseph, assistant professor of physics and assistant professor of biology Nancy Jacobson provided information about the potential of wind energy. Mark Darling, supervisor of recycling and resource management for Facilities and Kat McCarthy '05, were on hand as Master Composters, and Marian Brown, special assistant to the provost, and Elan Shapiro, lecturer in the environmental studies program, both represented Sustainable Tompkins.

On June 22nd, Ithaca College hosted a short presentation by TCLocal about our diminishing energy resources and what the Tompkins County community can do to address the issue. The talk was followed by a screening of the newly released Community Solutions Film "*The Power of Community: How Cuba Survived Peak Oil.*"

On June 28th, the History Center hosted an opening reception for their new interactive exhibit, "*Archaeology around Cayuga Lake*", which includes material from the archaeological research of associate professor of anthropology Jack Rossen and his students. At the opening, Rossen spoke about his work locating and excavating early Native American settlements around the Finger Lakes, and his collaboration with the leadership of the Cayuga Indian nation to re-establish a homeland within their former territory. The History Center exhibit was created by IC graduate Jessica Murray '05, with financial support from the Office of the Provost for materials. Kelly Calnon Falk, director of education for the History Center, wrote that "*the exhibit has been very enthusiastically received by visitors of all ages. On its debut weekend, one child spent over 1-1/2 hours painstakingly digging through the dirt in the recreated dig site. The exhibit represents the History Center's first venture into the realm of family-centered exhibitions and it is gratifying to watch children and adults interact and work together.*"



On June 30th, the "City Series" - a partnership between 7th Art Partnership and the Finger Lakes Environmental Film Festival - launched with the local premiere screening of "*An Inconvenient Truth*", the feature film starring former vice president Al Gore probing issues of global warming and climate change. The film, which was a complete sell-out that evening, was followed by a panel discussion led by professor of politics Tom Shevory, assistant professor of biology Jason

Hamilton, and Sean Vormwald '01, assistant director of alumni affairs. Shevory, Hamilton, and Vormwald were part of the observer delegation representing Ithaca College at the United Nations Framework Convention on Climate Change summit in Montreal in November 2005.

Several members of the IC community, including student Jack Haurin '08, Mark Darling, supervisor of recycling and environmental management, and Cory Brown, assistant professor of writing, have joined with alumnae Kat McCarthy '05 and others from Cornell and the community to create the “Think-Do Tank”, a local action-oriented group that implements ideas that benefit the community. Members distributed a flyer titled “Make Your Impact Positive” at the premiere screening of “*An Inconvenient Truth*” at Cinemapolis theatre on June 30th.

Marian Brown, special assistant to the provost, was invited by Monty Berman, summer service coordinator, EcoVillage resident and summer mini-grant recipient, to deliver the sermon during the worship service at the Unitarian Universalist church in Ithaca on July 30th. Brown’s presentation was titled “*But I don’t find ‘sustainability’ in the Bible...?*”

Collaboration with other institutions

In January, along with Dave Keelhar and Scott Atkinson, athletic field coordinators, Roger Casterline, assistant director of Physical Plant for Grounds and Transportation, spoke to a group of turf managers during the week-long Cornell Turfgrass Short Course, organized by Joann Gruttadaurio from the Horticulture department. The three IC staffers shared with turf managers how they manage the appearance of our playing fields using integrated pest management (IPM), conserving water while irrigating, and being responsible when applying any types of fertilizers, insecticides, fungicides, or herbicides.

Increasingly, members of the IC community are called upon to consult with colleagues at other institutions regarding campus sustainability, energy conservation, and resource management issues. On March 9th, provost and vice president for academic affairs Peter Bardaglio and Marian Brown, special assistant to the provost, met with F. Norman Christopher, director of the Sustainability Initiative at Grand Valley State University in Michigan, and H. James Williams, dean of the Seidman College of Business at GVSU to compare notes about our respective campus sustainability efforts. Christopher and Williams were especially interested in our infusion of sustainability education in our business school curriculum as well as our academic partnership with EcoVillage at Ithaca. Brown, along with Mark Darling, supervisor of recycling and resource management, and Steve Nicholson, governance chair for Sustainable Tompkins, met with Christopher and Williams to talk further about our community partnerships that encourage greater regional sustainable development and our collaborations with organizations like Tompkins County Solid Waste Management Division to benefit campus operations.

On March 13th, assistant professor of biology Jason Hamilton, Marian Brown, special assistant to the provost, and Mark Darling, supervisor of recycling and resource management, met with Richard Franke, professor of anthropology and Barbara Chasin, professor of sociology, both from Montclair State University, to discuss our campus sustainability initiative. During the summer, along with a complimentary copy of his new book, *Striving for Sustainability: Environmental Stress and Democratic Initiatives in Kerala*, Dick sent a follow-up letter that reads in part: “*Jason sent me his Powerpoint shows – these are most valuable and I plan to utilize them in the course on ‘Globalization and Sustainability’ that Barbara and I will be teaching in Spring ‘07 at MSU.*”

“*College’s Buying Local: A Farm to Fork Initiative*” conference was held on April 3rd at the Culinary Institute of America to bring together campus administrators, dining hall managers, foodservice industry

representatives, and farmer's groups to encourage local purchasing programs and partnerships. Jeff Scott, director of dining services, attended this event at which Senator Hillary Rodham Clinton spoke.

This spring, we continued our discussions with Bill Makofske, professor of physics, and Eric Karlin, professor of plant ecology, about forming a possible "sister-school" relationship with Ramapo College of New Jersey. We invited Makofske to speak on wind energy during a sustainability café in April.

Assistant professors of chemistry Akiko Fillinger and Anna Larsen, several of Larsen's students, and Marian Brown, special assistant to the provost, attended the Green Composites and Chemistry Meeting at the Cornell Center for Materials Research on May 24.

On June 27th, Mark Darling, supervisor of recycling and resource management, special assistant to the provost Marian Brown, biology professors Susan Allen-Gil, Susan Swensen, and Jason Hamilton, and IC Environmental Society members Amanda Block '07 and Jack Haurin '08, and Students for Sustainability member Dan Carrion '08 met to share strategies and swap success stories with a team of student interns working under the supervision of university architect Paul Tankel on a variety of sustainability projects at the University of Rochester.

On July 17th, Mark Darling, Marian Brown, and REMP summer intern Amanda Block '07 met with Jen Spoor, an organizer for the *Go Green Initiative* working with SUNY Cobleskill. Jen wanted to learn about our recycling and composting programs as well as other aspects of our sustainability initiative.

National activities

On January 27th, provost and vice president for academic affairs Peter W. Bardaglio teamed with Pamela Lippe, president of e4, Inc. a "green building" consulting firm, and Graham Wyatt, partner with Robert A.M. Stern Architects, to deliver a presentation titled "*Sustainable Design and Higher Education: Going Platinum at Ithaca College*" for the annual meeting of the Association of American Colleges and Universities in Washington DC.

Bonnie Solt Prunty, director of residential life, was invited to participate in The 21st Century Project, convened by the Association of College and University Housing Officers International (ACUHO-I) in Chicago in early February. The 21st Century Project is a multi-phased initiative encompassing the design and construction of a new state-of-the-art college residential facility. Participants learned how to design residential facilities that better accommodate the ever-changing roles that residence halls play in the collegiate experience. The February event convened a summit of institutional presidents, chief housing officers, chief student affairs officers, chief academic officers, chief business officers, students, architects, developers, contractors, master planners and food service providers to define key elements of the prototype residential facility and experience. Participants were engaged in a series of dialogue sessions concerning future needs for student housing, layers of community and environmental elements, programmatic issues, and space quantification. In addition, various individuals with a specialization in student housing, trends, and issues of importance to the conversation - such as sustainability - were invited to attend the summit.

Jason Hamilton, assistant professor of biology and environmental studies, was selected to deliver the plenary presentation, "*The Quest for a Sustainable World: What We Know - What We Can Do*" for the annual ACUHO-I conference in Atlanta in June. Bonnie Solt Prunty, director of residential life, who serves on the organization's conference program committee, recommended Hamilton's talk, after having him deliver the same presentation to her housing staff on campus in Fall 2005. Prunty reported that colleagues told her afterward that Hamilton's presentation was "*the best program they ever attended at an ACUHO-I conference*" and that his information was "*both compelling and very informative.*"

At the annual conference of the American Society for Environmental History held in St. Paul Minnesota in March, Michael Smith, assistant professor of history, presented a paper on the environmental history of photographic chemicals and chaired a roundtable discussion on the scholarship of learning and possibilities for service-learning in environmental history. Smith had his article, “*The ‘Ego Ideal’ of the Good Camper and the Nature of Summer Camp,*” published in the January 2006 issue of the journal *Environmental History*.

Ithaca College staffers were reached out to by Katherine Walden, an intern with I.C.L.E.I. – Local Governments for Sustainability (formerly the International Council for Local Environmental Initiatives). Katherine found the link to sustainability on our main college webpage, was impressed by our work and wanted to learn more details about our initiative. On March 8th, Katherine arranged a conference call with Marian Brown, special assistant to the provost, and Mark Darling, supervisor of recycling and resource management, to further discuss the college’s work. I.C.L.E.I. was a co-sponsor of the 2005 Sundance Summit: A Mayors’ Gathering on Climate Protection, to which Ithaca Mayor Carolyn Peterson was invited – Peterson was one of the early signatories of the Mayor’s Commitment to Action.

Mark Darling, supervisor of recycling and resource management, has been named to a two-year position on the steering committee for the College and University Recycling Council (CURC). Darling participates in monthly conference calls and will attend the annual conferences of the National Recycling Coalition – of which CURC is a component part. Darling, along with Marian Brown, special assistant to the provost, represents the schools in the New York State Alliance of Sustainable Campuses (NYASC) as the regional representatives for periodic conference planning calls sponsored by the Association for the Advancement for Sustainability in Higher Education (AASHE).

Assistant professor of chemistry Akiko Fillinger chaired a session titled “*Society and the Environment*” at the 2nd International Conference on Environmental Science and Technology, held in Houston, TX, from August 19-22, 2006.

In the News

The College was featured on the front page of the website of the Association for the Advancement of Sustainability in Higher Education (AASHE) as the member spotlight campus for about six weeks in the Spring with a headline reading “...*the college recently signed the Talloires Declaration and is working to model sustainability in its teaching and operations.*”

Ithaca College was commended in the April 27th issue of the on-line newsletter of AASHE for having awarded mini-grants to support curriculum development initiatives in the area of sustainability.

Noting the upcoming Carshare Summit in downtown Ithaca, the January 19th issue of the *Ithacan* featured an editorial suggesting that Ithaca follow the lead of larger cities and adopt an alternative transportation system.

Dan Mccarey ‘06, vice president of campus life for Student Government Association, submitted a letter to the January 26th issue of the *Ithacan* urging students to confront important sustainability issues by attending the SGA-sponsored talk by Jason Hamilton titled “*Your Money, Your Health, Your Planet, Your Future,*” held on January 30th.

The Ithaca College Investment Club, a student-run organization that manages the student mutual fund at the college, was featured in the *Ithacan* on February 2nd. The club’s managers and shareholders place value on socially responsible investing and specifically screen companies for their socially conscious

policies and corporate ethics. According to Michael Staub '06, club members seek to manage their portfolio such that it is congruent with the School of Business' focus on environmental sustainability.

In the February 16th issue, the *Ithacan* ran an editorial called “*Face the Facts: It Does Exist.*” The piece discussed climate change as a scientifically proven phenomenon and encouraged students to believe in the problem and work to do something about it.

In the April 13th issue, the *Ithacan* ran an article featuring Jostens, the jewelry distributor with whom IC arranges for student purchase of class rings. The company has been criticized for not joining the campaign “*No Dirty Gold*” to end poor environmental and labor standards for gold mining.

Other Publicity

Ithaca College was mentioned in an article on “*Green Living*” in the January/Feb 2006 issue of *The Green Guide* for sending a delegation to the United Nations Framework Convention on Climate Change in Montreal in November 2005. The framework convention is the body which originally developed the Kyoto Protocol.

Ithaca College is mentioned in Jay Withgott's environmental science textbook, *Environment: The Science behind the Stories*, regarding our sustainable use of dining food waste compost on campus: *Students find that administrators are more easily convinced to enact institutional changes that save money. At Ithaca College in New York, about 44% of the food waste generated annually is composted. Disposal fees at the local landfill are \$60/ton, so composting saves the college \$11,500 each year in avoided fees. The compost is used on ornamental plantings on campus, and experiments showed that plantings grew better with the compost mix than with chemical soil amendments.* (pg. 678)

On June 4th, provost and vice president for academic affairs Peter Bardaglio was interviewed about our campus sustainability initiative for *SkyRadio*, a media company that develops radio spots for in-flight listening. The interview is scheduled to run on USAirways and American Airlines flights in the Fall.

Some Ithaca College students who are learning about the processes in large-scale meat farming are turning to healthier organic and free-range meat options. Jake Wallack '07, Andres Perez-Charneco '06, Juliana Quant '07, and Stephanie Egan '06 were interviewed in a June 28 article in the *Ithaca Times* about the organic lifestyle called “*Pure Living.*” Julia Lapp, assistant professor of nutrition and registered dietician, was also interviewed for the piece.

Awards and Recognition

Two students chosen as Campus Life award recipients were deeply involved with Sustainability throughout their time here. Raphael Golberstein '06, student trustee, also served on the sustainability task group of the Planning and Priorities Committee. Julie Perng '06 was involved with initiating the campus organization Students for Fair Trade and played a major role in working with campus dining service leaders to integrate organic, fair trade coffee into our dining hall beverage service. Perng was also selected to receive a Fulbright Grant for 2006-07, enabling her to return to China to spend a year in the Shaxi township. Perng had spent her junior year in China's Yunnan Province performing a complete ethnography of the Shaxi village and studying the effects of an ecotourism project in the area.

Anna Day '08 was voted Senator of the Year by the Student Government Association for her outstanding passion and commitment in chairing the Sustainability Ad-hoc committee and her work incorporating sustainability into the operations of student clubs and organizations.

Fifty-eight IC juniors and seniors were selected for the Who's Who Among Students in American Universities and Colleges award. Among the recipients of this special recognition are: Evan Gever '07, who has served as a student representative to the stakeholder team for the School of Business building project; Raphael Golberstein '06, who served on the sustainability sub-committee of the Planning and Priorities Committee; and "Garik" Perez-Charneco '06, who co-chaired the IC Environmental Society.

During the C.P. Snow presentation on March 16th, Senior Elizabeth Quill was awarded the C.P. Snow Award. A journalism major and environmental studies minor, Beth was recognized for her success demonstrating ways to bridge the sciences and humanities throughout her academic career. Beth was featured in an *Ithacan* guest commentary emphasizing that "*students are all part of something more meaningful than our own goals or successes, much larger than ourselves. In all we do, our roles wind together and are always both tiny and great.*"



Sandra Steingraber, acclaimed author of *Living Downstream*, who has been heralded by the Sierra Club as "The new Rachel Carson," recently received a 2006 Heroes Tribute from the Breast Cancer Fund. The organization annually honors those whose work has advanced its mission of preventing breast cancer by identifying the causes of the disease. Ecologist, author, and herself a cancer survivor, Steingraber is an internationally recognized expert on the environmental links to cancer and reproductive health. Appointed a distinguished scholar in residence in the College's

Division of Interdisciplinary and International Studies in 2003, Steingraber speaks to a variety of classes covering several subject areas including writing, journalism, biology, environmental history, and law. In addition to her classroom work, Steingraber has presented a number of public lectures. An enthusiastic and sought-after public speaker, Steingraber has keynoted conferences on human health and the environment through the United States and Canada and has been invited to lecture at many universities, medical schools, and teaching hospitals – including Harvard, Yale, Cornell, and the Woods Hole Oceanographic Institute.

On March 30th, dean of the School of Humanities and Sciences Howard Erlich notified his faculty that a special merit award had been made to "The Sustainability Group," noting that while many faculty members have contributed to the college's and school's sustainability efforts, the central players in the sustainability effort have been: Susan Allen-Gil, associate professor of biology, for overall coordination as well as leading the Whalen Symposium effort; Beth Ellen Clark Joseph, assistant professor of physics, who leads the wind power and solar trailer projects; Jason Hamilton, assistant professor of biology, who chairs the Natural Lands committee; Michael Rogers, assistant professor of physics, who leads the [sustainable] Physics classroom renovation work; Michael Smith, assistant professor of history, the Sustainability Café coordinator; and Susan Swensen, associate professor of biology, who chairs the Center for Natural Sciences Sustainability Group.

Alumni Activity

Gonzalo Perez '05 is working in Boston doing an internship with Environmental Defense's Corporate Partnership Program. Beth Gardiner '05 has a three-year position working for the city of Boston as a recycling specialist. John Petronzio '04 is a musician with the local band "Revision" which powers their diesel touring bus with waste fryer oil. Ben Rosenthal '06 helped organize GreenDC Week in the nation's capitol. Rosenthal solicited on-campus volunteers to help at the National Zoo for the African American Family Celebration.

Kat McCarthy '05 is working for Tompkins County Solid Waste, helping to develop FingerLakes Buy Green, a web-based search engine to identify local suppliers of sustainable products. In June, Kat

participated in a Sustainable Tompkins monthly gathering discussion about Youth Leadership, speaking about her experience as one of the co-leaders of the IC Environmental Society.

Andres Perez-Charneco '06 is working as an employee for the Village of Trumansburg. He works exclusively with the Trumansburg Main Street Project (MSP), a local volunteer community group dedicated to improving the image, infrastructure, and safety of Trumansburg's Main Street. He serves as media and community liaison for the Main Street Project, keeping Village residents informed on the status of activities. He writes a bi-weekly column for the local paper, maintains the project's website and blog, and helps the project advisory committee continue to advance the initiative by researching and preparing grants.

A piece on "*IC Documentarians*" in the 2006/1 issue of the *IC Quarterly* profiled a number of filmmakers who have used their craft to advance exploration of sustainability. Jason Longo '94 spent time in Africa over the winter filming a story on ecotourism. Lloyd Fales '88 has spent his time since graduating as an independent filmmaker, capturing wildlife and nature for the National Geographic Channel, and PBS. Landon Van Soest '04 was profiled for his globetrotting work making films that integrate his primary interests: social and environmental justice issues. "Filmmaking," he says, "is just an excuse for me to explore them." Shannon Kelley '86 is associate director of the documentary film program at the Sundance Institute, and was on the advisory board for the Finger Lakes Environmental Film Festival.

Peter Throop, 1979 IC graduate in business administration and now associate core faculty in environmental studies at Antioch New England Graduate School, brought a team of nine of his students to Ithaca, leading them through an intensive field study of sustainable communities. Throop reached out to staffers in Institutional Advancement and the Provost's office at Ithaca College to help him make contact with representatives in the Ithaca community with whom to meet during the team's 5-day stay in the region. Throop's students met with representatives from GreenStar Cooperative Market, Silver Thread organic winery, Sustainable Tompkins, and EcoVillage at Ithaca. At the conclusion of their week, Throop and his students met with Marian Brown, special assistant to the provost, to discuss Ithaca College's efforts to advance campus sustainability and our collaborative work on spurring regional sustainable development. Afterward, one of Throop's graduate students, Nancy Gamble, followed up with Brown to discuss Gamble's work with Clean Air-Cool Planet, and to obtain feedback on the College's experience using that organization's greenhouse gas emission inventory, completed in Spring 2006 by student Stephanie Hylan '06.

Distinguished Alumni Award recipient in 1995, IC alumnae Beverly Baker '54, was profiled in the 2006/1 issue of the *IC Quarterly*. Baker opened Baker Travel in 1973, which was the first business in Ithaca with smoke-free offices and from its beginning, offered its employees job sharing and flextime, benefit structures ahead of their time. Bev Baker is credited as one of the guiding forces behind a city beautification project and she has been involved with the Community Foundation to create a women's fund to assist other women to start business enterprises.

Grateful thanks are extended to Anna Day '08, intern in the Resource and Environmental Management Program who has been assigned to the campus sustainability initiative, for her work researching and compiling the extensive collection of material covered herein and drafting sections of this report.

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