



The Environmental Connection

Dickinson College Environmental Studies Alumni Newsletter

Volume 1, Issue 1

Have you thought about joining Dickinson Works?

By Mary Orr

The Dickinson Works career database is available to current students, faculty and staff, and Dickinson alumni. The purpose of this network is to provide current students with career development advice. And what better way to assist current students but ask our Alums to help mentor them? By sharing your knowledge, you will be providing Dickinson students with the opportunity to explore and make knowledgeable career choices. Over 1,300 Dickinson alumni have volunteered to be a part of the network, willing to share information about their careers and offer suggestions. You can participate too! For more information or to register, please go to the following web address.

<http://www.dickinson.edu/career/student/dickinsonworksindex.html>

To date, there are 18 Environmental Studies alum and 11 Environmental Science alum who have registered to participate in the site. We would like to thank those offering their services through the Dickinson Works initiative. We acknowledge the following participants:

Environmental Science Participants:
Mr. William F. Moyer '67
Dr. Susan Baumgartner Elbin '76
Mr. John R. Kastrinos '83
Mr. Todd P. Callaghan '91

Mr. William J. Nellen '93
Ms. Melissa Russo '96
Miss Laura J. Cichocki '98
Ms. Nicole A. Long '98
Ms. Stephanie L. Pye '02
Mr. Peter A. Enderlin '05
Mr. Scott Morello '06

Environmental Studies Participants:
Mr. Paul G. Landry '80
Mr. Benjamin H. White '91
Mr. Andrew B. Judd '93
Mr. Bram I Zeigler '93
Mr. David H. Frisch '94
Mr. Chad A. Wissinger, Esq. '95
Mrs. Amy Cosgrove Handen '96
Miss Elizabeth A. Livingston '96
Mrs. Greta Kramer Price '96
Mr. Robert V. Ampezzan '98
Ms. MaryBeth Horvath '98
Ms. Nicole A. Long '98
Ms. Caroline T. Whitehead '98
Mrs. Lisa Zubowicz Leighton '01
Mrs. Vallie L. Edenbo '02
Mr. Patrick R. Read '02
Ms. Angela M. Wallis '02
Ms. Heather L. Friedmann '03

Alumni News.....

Be sure to check out the Dickinson Alumni web link below. <http://www.dickinson.edu/alumni/> It will keep you informed on the latest Alumni news and events.

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Special points of interest:

Did you know??....

Each Tuesday during the academic year, the Environmental Studies department hosts the Earth Issues Seminar Series. The event takes place in the Holland Union Building over the lunch hour. A guest speaker is invited to give a talk on an Environmental topic. Students can enjoy their lunch and an informative talk all at the same time. If you are currently working in the Environmental Field and would like to visit your old alma mater to be a guest speaker....we would love to have you!! For more information, please contact Vallie Edenbo at: edenbov@dickinson.edu.

Send us your update to appear in the next newsletter.....

Simply go to the Environmental Studies homepage: <http://www.dickinson.edu/departments/envst/> and click on "Alumni Survey" Update you contact information and include your write-up for the newsletter in the "Additional Comments" section... Then next time the newsletter comes out, your fellow Dickinsonians will know what you've been up to.....

Your Feedback is Important to us.....

We have created this newsletter with you in mind....If you would like to make a suggestion regarding newsletter content or format please let your voice be heard. Please email orrm@dickinson.edu

A Note from the Chair

By Candie Wilderman

Dear ES alums –

How nice to hear from so many of you -- to see the faces of your new friends and families and to read about the interesting work that you are doing! Thanks so much to those of you who responded to our call for information, and please keep it coming!

I first want to thank Mary Orr, our Program Coordinator, for putting together this alumni newsletter. Mary started working for us in April 2007 and we are just beginning to realize the depth of her talents – from creation to implementation! Thank you so much Mary, for making “The Environmental Connection” happen!



As you can see by the content of this newsletter, recently there have been some very exciting initiatives in our program! We celebrate this growth, but at the same time we are careful to keep our eye on the history and traditions that have brought us to this place.

Some of the new initiatives that you will read about in this newsletter have greatly enhanced our curricular and co-curricular offerings. A 5-year grant in 2003 from the Henry Luce Foundation has allowed us to offer a watershed-based integrated field semester (the so-called Luce [not Loose] Semester). For Michael and me, this semester has been the culmination of a dream that we have had for years – to explore and compare environmental issues in our local watershed (Chesapeake Bay) and in coastal Louisiana, including the so-called Cancer Alley region between New Orleans and Baton Rouge. This semester has been enormously popular among our students and has added immeasurably to our common experience and to departmental culture. We hope to be able to find the resources to continue offering it from time to time, when the grant expires after our last offering next fall semester.

At first resisting the move, we now have settled in and decided we want to stay in Kaufman Hall! We have plenty of quality space and have gotten used to the 5-minute walk to the HUB. ALLARM has a new very large suite of offices and lab, and even our farm directors, Jenn Halpin and Matt Steiman have their on-campus office in our building. We are also very excited about the new plans to renovate Kaufman into the most “sustainable” building on campus – and are hoping to make Kaufman not just a place in which to study but an object of study. To that end, students are now designing ways to monitor current practices to compare to future practices that will be made possible through our improvements, and faculty are thinking of ways to include Kaufman in our courses.

We have a new college farm, a new Treehouse, a new Center for Environmental and Sustainability Education (with a wonderful new director) and a new GIS Specialist – all developments that are continuing to enhance environmental education at Dickinson. But perhaps most importantly (and most recently) we have hired a new faculty member in Environmental Health. Dr. Greg Howard, who recently received his Doctor of Science from the Boston University School of Public Health, and is currently teaching at Brown University, will be joining us in a tenure track position next year. We are delighted beyond words! Greg is interested in the connections between environment and human health and has taught courses on urban design, epidemiology, and environmental health policy. His dissertation was on the toxic health effects of complex environmental exposures. He will bring a whole new specialty to the department and put us on the cutting edge of undergraduate schools that are expanding into the important field of environmental health.

Although there are many new initiatives, I don’t want to give you the impression that we have forgotten our traditions! We still focus on field work – I still take students to the islands in the Bay and the streams in the Valley, Michael still does his toxic and industrial tours, and Brian is still conducting research at Reineman. ALLARM is going strong under the leadership of Julie Vastine (‘03) and her assistant director, Jinnie Woodward. Vallie Lewis Edenbo (‘02), our Academic Technician, keeps us all sane with her calm response to our crises and with her careful planning and creative curricular support. Earth Issues is still our weekly lunch seminar, and most importantly, our students are still super-engaged in our program and still keep a step ahead of us!

We think of our alums all the time – we are reminded of fond memories of you as we work with current students in the classroom and in the field. We are thankful to have shared your college years with you, and are always delighted to hear from you.

Still crazy after all these years ...
Warmest wishes,
Candie

Updates from around campus?

Environmental Studies New Home

By Mary Orr

Although the original plan was to house our department only temporarily in Kaufman Hall—the old Reeves Hoffman radio crystal plant—we have now been informed that this will be our permanent home. While we will continue to share the building with the Geology Department, the Psychology department will eventually move to the newly constructed Rector Science Complex.



We are excited to call Kaufman Hall home. This renovated Brownfield site is making history in the Dickinson community. It will house the newly formed Center for Environmental and Sustainability Education.

Moreover, Kaufman is sustainable in its own right. With the help of an Energy Harvest Grant from the Pennsylvania Department of Environmental Protection, Dickinson was able to install solar panels on the roof of Kaufman Hall, in addition to ground panels on the south side of the new highly efficient central energy plant.

Dickinson College has jumped on the sustainability band wagon and the Environmental Studies department is happy to be a part of the initiative.

Please use the link below to see real time data regarding the energy generated by using these panels. The data is very impressive.

<http://www.dickinson.edu/news/features/2007/solar/>

Rector Science Complex News

By Mary Orr

On May 5, 2006, Dickinson began construction on Stuart and James Halls the two newest spaces to be erected as part of the Rector Science Complex. Now completed, these two buildings connect seamlessly with Tome Hall and add an additional 90,000 square feet of space to the complex. In fall 2008, Stuart and James Halls opened their doors with the start of the semester. These halls boast twelve new teaching labs, four instrumentation suites and twenty seven faculty-student research spaces. Presently, they house five academic programs: biochemistry and molecular biology, chemistry, biology, neuroscience and psychology. The atmosphere of the buildings is modern and informal with the latest in educational teaching tools.

The complex itself is also state of the art, using approximately one-third less energy than standard buildings of equal size. The complex has just received the very prestigious gold certification from the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Program. The next phase of the project will include a 70,000 square foot third wing that will extend north from James Hall. That wing is still in the planning stages.

New Center for Environmental and Sustainability Education Established

By Neil Leary

Dickinson College, with support of a grant from the Andrew W. Mellon Foundation, has launched a new interdisciplinary curricular initiative to make study of the environment “a defining characteristic of a Dickinson education.” The intention is not to create a new interdisciplinary major, but to integrate study of the environment and engagement with the challenges of sustainability across the entire academic program of the college. The initiative will also seek ways to enhance educational connections with co-curricular activities and with the college's efforts to increase the sustainability of campus operations.

To guide and coordinate the initiative, the Center for Environmental and Sustainability Education was created and is now housed in Kaufman Hall. The center is working with faculty, staff and students to establish learning objectives for environment and sustainability education and to develop and implement a strategy for attaining the objectives. An Environmental Education Fund, to be administered by the center, will support implementation of the strategy by providing grants to faculty for curriculum development, faculty development, and student-faculty research. The Center will also collaborate with others at Dickinson to develop programming for out of class learning opportunities.

An important function of the Center is to assist faculty with integrating greater environment and sustainability content into existing courses and to expand course offerings related to these topics. Towards this end, the Valley and Ridge Study Group brought together a number of faculty members in May 2008 to examine concepts of sustainability and place-based learning with the aim of revising existing courses and developing new courses. The study group approach proved effective and will be used as a model for continued development of the environment and sustainability curriculum. Other recent and current activities of the center include co-sponsoring a public lecture by Dr. Lori Leonard of Johns Hopkins School of Public Health on the health and social impacts of an oil pipeline in Chad, organizing panels for the national global climate change teaching “Focus the Nation”, co-sponsoring a faculty dialogue on interdisciplinary curriculum initiatives, planning for first-year course clusters with environment and sustainability themes, and assisting faculty and campus groups with writing grant proposals.

The director of the Center for Environmental and Sustainability Education is Neil Leary. Neil came to Dickinson College in August 2008 from START, an international science network that engages developing country scientists and institutions in research on global environmental change through research grants, fellowships, and training and by convening and managing multi-institutional research projects. Neil has been a participant in the international assessments of the United Nations sponsored Intergovernmental Panel on Climate Change, was an economist and then senior economist with the U.S. Environmental Protection Agency, and an assistant professor at Middlebury College. He has a doctoral degree in economics from the University of Washington and a Bachelor of Arts degree from Macalester College.

Dickinson College Farm Update

By Jenn Halpin



The Dickinson College Farm is just now completing its second growing season at its new location in Boiling Springs. This year, the farm cultivated four acres of vegetables, herbs and flowers that were harvested for the College dining hall, CSA program, and local farmers' market and as donations to our local food bank, Project SHARE. Approximately 85% of the produce raised at the farm was earmarked for the dining hall.

What this amounted to was over 1000 pounds of fresh vegetables being delivered to the dining hall each week. What were the biggest crops to be used on campus? Hands down, TOMATOES!!

The success of this season is greatly attributed to the hard work and dedication of the students and interns who are involved at the farm. The farm employs students year round and this year offered a six month internship as a hands-on experience in organic food production, renewable energy and sustainable living. Two of our interns were recent graduates of Dickinson and our third intern came to us from Peru through a global exchange program called MESA (Multinational Exchange

for Sustainable Agriculture)

Other highlights of our second season at the Dickinson College Farm include the construction of yurts for our intern housing, the installation of solar panels for both off-grid and grid-tied electrical systems, and the first of many barn dances! The involvement of students, faculty and staff at the farm has been tremendous; from faculty-student research projects to volunteer days and class visits. The farm is working hard to provide opportunities for the campus and local community to utilize the diverse resources on hand.

We look forward to your visit!

The Latest Buzz from the Biodiesel Program

By Mary Orr



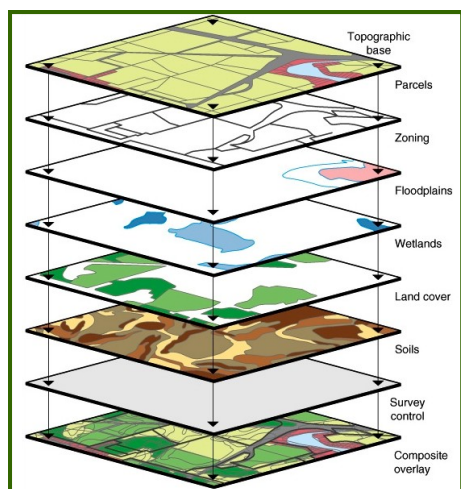
The Dickinson Biodiesel shop was founded in the spring of 2006 when two students began researching biofuels and the related reaction processes. The first batches of fuel were made with the help of the Facilities Management staff. Today, the Biodiesel Project is a fundamental part of Dickinson's commitment to environmental sustainability. The project makes use of a waste product,

while reducing the campus demand for non-renewable petroleum fuel. Biodiesel fuel is significantly cleaner burning than petroleum, and its use thereby helps to reduce air quality problems in the Cumberland Valley. The US EPA has found that Biodiesel drastically reduces soot, diesel particulate matter, carbon monoxide, oxides of sulfur, and carcinogenic hydrocarbons when compared with petroleum diesel. Production and use of biodiesel results in an 80 percent lifecycle reduction of carbon dioxide emissions when compared with fossil fuels, which aids in our campus goal of reducing our impact on global climate change. And lastly, biodiesel production on site from waste fryer

oil is very energy efficient: we gain over 5 units of energy in fuel for every one unit of non-renewable energy invested in the process, thanks in part to a solar heating system designed by a student in 2007. Students working in the plant perform fuel making operations as well as research projects and outreach work. Very popular are the regular "Fry-Day" afternoon volunteer sessions, where students learn about alternative fuel over a plate of fresh hot fries. For more information about the program please go to the following link <http://www.dickinson.edu/departments/sustainability/biodiesel.html#project>

GIS Course Offering

By James Ciarrocca



The Environmental Studies Department will once again be offering an introductory course in geographic information systems (GIS), ENST 313, during the Spring 2009 semester. This year the course will be taught by Dickinson's new GIS specialist, James Ciarrocca, who has over 23 years of experience in the GIS industry. The course provides a fundamental foundation of theoretical and applied skills in geographic information systems technology that will enable students to investigate and make decisions regarding spatial issues. Utilizing GIS software from Environmental Systems Research Institute, Inc. (ESRI), students work on a progression of tasks and assignments focused on GIS data collection, manipulation, analysis, output, and presentation. The exercises supplement and reinforce the GIS theory and technology concepts introduced through lectures and discussion. The hands-on work will culminate in a final individual project in which the students design and prepare a GIS analysis application for addressing a spatial problem of their choosing.

The objectives of this course are to ensure that students have not only a firm appreciation of the technology and skills that are used throughout the GIS industry, but also a solid foundation of basic geographic information theory and a core competency for spatial literacy. Spatial literacy, which is defined as the ability to understand geographic relationships and make key decisions about spatial concepts, is becoming increasingly important as a necessary skill for liberal arts graduates across all disciplines. It is an essential skill not only for environmental scientists, but also for anyone who lives in today's information-based society and interacts with the world's global economy. Spatial literacy provides an alternative approach to thinking about and addressing the difficult problems confronting students in a complex world, and GIS provides the tools, methods, and techniques necessary for accomplishing these tasks.

Environmental Studies offers the Luce Semester

By Mary Orr

The Environmental Studies Department at Dickinson College was awarded a grant from the Henry Luce Foundation to develop a single interdisciplinary, integrated course, for the equivalent of a student's normal 4-course load, combining classroom activities, community-based fieldwork research, independent study, and extensive travel and immersion in two comparative watershed regions: the Chesapeake Bay and the lower Mississippi River Basin. This course was offered during the fall semesters of 2005, 2006, and 2007 and will be offered again in the fall 2009. Enrollment is approximately 15-20 Dickinson students. One of the main goals of this program is to connect with areas affected by water-way issues and build on relationships already established through the ALLARM program. The course work focuses on aquatic science, environmental justice, coastal geomorphology, resource-dependent communities, and environmental policy and management.

Students spend a week in September in the Chesapeake Bay and along the Atlantic coast and three weeks in November in southern coastal Louisiana, studying the ecosystems and learning from the local residents.

The remaining nine weeks of the semester are spent closer to campus, in the headwaters of the Chesapeake Bay drainage basin. Students also complete an independent research project in consultation and collaboration with a community group addressing that group's specific needs.



off shore
Smith Island

The Chesapeake Bay and the lower Mississippi River regions represent the two largest estuarine regions in the US. Both are seriously threatened by human activities, resulting in loss of biodiversity, commercial fisheries, and land, with serious threats to the local human communities dependent on these resources.



Blackwater National Wildlife Refuge

If you would like more details regarding the LUCE semester, please go to the following web address: <http://www.dickinson.edu/departments/envst/lucewebpages/lucehome.htm> Be sure to check out the student blogs from the trip.

The LUCE program was recently featured in an article titled "From Bay to Bayou" which appeared in the fall 2008 *Save the Bay* publication. To view the article [click here](#).

Annual Update from the Alliance for Aquatic Resource Monitoring:

By Julie Vastine & Jinnie Woodward

This past year has brought new programs and new staff to the Alliance for Aquatic Resource Monitoring (ALLARM) program. The start of the 2007-2008 school year included the addition of Jinnie Woodward as ALLARM's new assistant director. With a master in Geoenvironmental Sciences from Shippensburg University, Jinnie brings a great knowledge of the local watersheds that ALLARM works with and a strong technical background.



Chemical Monitoring Training

Technical Assistance:

Over the past year, ALLARM has continued to provide technical and programmatic assistance to watershed groups in south-central Pennsylvania to empower communities with the scientific tools to monitor, protect, and restore water ways. This past year ALLARM built new relationships with two new groups – the Middle Spring Watershed Association (MSWA) and Friends of the Little Aughwick Creek (FLAC). Both MSWA and FLAC worked with ALLARM to create a monitoring study design and to learn appropriate ways to monitor their waterways. MSWA and FLAC began collecting water quality data last spring, and like all groups ALLARM works with, have undergone quality assurance/quality control measures to ensure that they are using their equipment correctly and ultimately collecting quality data.

One initiative to highlight is the aquatic research component that has evolved under ALLARM's Technical Assistance program. Through this initiative, ALLARM tests new research methods, develops new capacity-building watershed trainings, and exposes ALLARM students to the key techniques used in the aquatic field. In addition to the five standard workshops ALLARM provides to monitoring organizations (monitoring plan study design; chemical, biological, and visual assessment workshops; and data interpretation), ALLARM has created a new data communication workshop and is currently developing stream flow and stormwater monitoring workshops as a result of increased need within the volunteer monitoring community.

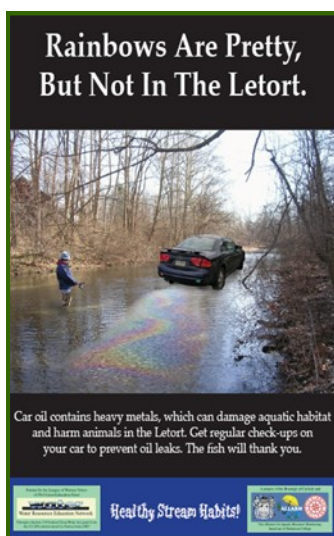
Stormwater Campaign:

One of ALLARM's new projects is our Letort Stormwater Education Campaign, initially funded by a small grant from the League of Women Voter's Water Resource Education Network. A federal stormwater mandate and sixteen years of data collected through Candie Wilderman's aquatic science classes inspired ALLARM to take a pro-active approach to address the most prominent issue facing our local watershed – stormwater runoff. Deviating from our traditional capacity-building technical assistance work, ALLARM has taken a multi-stakeholder, collaborative approach to tackling this watershed issue. The objective of the campaign is to educate the Letort community about stormwater runoff, encourage healthy stream habit behavior, and foster community connectiveness to this valuable resource. In the first year of the campaign, ALLARM:

- Established a stormwater steering committee (including the Borough of Carlisle and two local environmental organizations);
- Created seven healthy stream habit posters (which are currently being displayed by Carlisle businesses), and four healthy stream habit movie theater advertisements (shown in the Carlisle Theatre);
- Developed a Letort documentary by interviewing local anglers, business owners, and teachers; and
- Implemented the first annual Letort Festival, which brought together 25 community partners.



Macroinvertebrate Training



The Letort Stormwater Education Campaign has proven to be an amazing opportunity for ALLARM to actively engage our local watershed and diversify our approach to addressing aquatic community issues.

ALLARM Update Continued

International Collaboration:



pH training in Thailand

Another highlight from the past year includes ALLARM's travels to Thailand in January to train Burmese human rights and environmental leaders on water quality monitoring and environmental education techniques. This is ALLARM's second international collaboration – the first collaboration took place in 2000 and 2002 when the ALLARM director and science director trained Russian non-governmental organizations. Noteworthy about this year's project is that two ALLARM students were a part of the exchange. Together the students and the ALLARM director implemented an environmental curriculum (focused on agriculture and mining) and took tools that have empowered Pennsylvania communities for twenty years and tailored them for EarthRights International's Burma Earth Rights School (a year-long school that brings together fifteen community leaders from across Burma). By far the School's favorite lessons were learning how to assess the health of streams. In a country where policy and practices are shrouded in secrecy, the students know that environmental resources are being polluted but lacked the tools to assess the damage and educate their communities about the effects. It was an immense learning process all around, especially for the ALLARM students who played a crucial role in developing the lesson plans and trainings.

Conferences:

The ALLARM staff (directors and students) has had the opportunity to present at several conferences. These opportunities have provided networking and learning opportunities and have resulted in new partnerships. In the past year, ALLARM has presented at:

- EPA Region III Conference (Winchester, VA)
 - * Data interpretation workshop
- New Jersey Volunteer Monitoring Summit (Pennsauken, NJ)
 - * Data interpretation workshop
- Association of American Geographers Annual Meeting (Boston, MA)
 - * Student and community benefits of community-based learning
- National Water Quality Monitoring Conference (Atlantic City, NJ)
 - * Taxonomy of community-based monitoring: an overview and analysis of models
 - * The service providers' toolkit for volunteer monitoring
 - * Volunteer monitoring: the integrated approach
- New Jersey Volunteer Monitoring Summit (Whippany, NJ)
 - * Dam removal monitoring

Common Hour:

This fall, ALLARM presented "Working Sustainably with Communities" at the Dickinson College Common Hour Series. The one-hour program consisted of five student presentations intertwined with interviews from community and project partners. The presentation identified key ways in which ALLARM works sustainably through our technical assistance program and stormwater education campaign.

For additional information about ALLARM programs, visit www.dickinson.edu/allarm and be sure to read our annual newsletter, *Stream of Consciousness*.

Vallie Edenbo Technician

Hello all! It is difficult to believe that I have been working in the ES department for 4 years now! It has been very exciting to contribute to Dickinson's increasing commitment to environmental sustainability, while providing support and enhancement to the Environmental Studies and Science curriculum. With the launch of Dickinson's Center for Environmental and Sustainability Education, my work has shifted away from outreach projects and become more focused on curricular and technical support for the department. This year I worked with Alarm's Assistant Director, Jinnie Woodward, to procure GPS receivers, provide introductory training, and identify opportunities for student and faculty use of this equipment. In addition, Andrew Kameronosky '10 and I are reconditioning and developing protocols for some of the department's advanced water quality monitoring equipment which can be deployed in the environment for long-term studies of water chemistry. This spring, I will be working with Professor Michael Heiman and Assistant Farm Director Matt Steiman to develop a hands-on laboratory on solar photo-voltaics for the introductory environmental studies course (ENST 132). I continue to be available as a resource for current and perspective students, alumni, and community partners of the ES department by hosting tours, maintaining our website, and coordinating the Earth Issues seminar series. Please let me know if you would like to offer a presentation on campus or visit at any time!

Mary Orr Academic Dept. Coordinator

Hello Everyone, I am the academic department coordinator for the departments of Geology and Environmental Studies. I have been with the College for four years. I will be your liaison for the newsletter. If you have comments or suggestions regarding the newsletter, please let me know by emailing ormm@dickinson.edu

Marcus Key Contributing Faculty

As a geology professor at Dickinson, my main contribution to the ES program is my Energy Resources class. As you can imagine, it has become more timely lately.

In the past year I have given lectures on 'Peak Oil' to Dickinson alumni in Manhattan, Dallas, Houston, San Francisco, and San Diego. Since then I have moved to Norwich, England for two years to run Dickinson's study abroad program at the University of East Anglia where I am a Visiting Professor in the School of Environmental Sciences. I am teaching History of Science and Sustainability Science to our students. The former course involves 3 weeks in London and 1 week in Edinburgh. The latter course involves field trips in Norfolk (e.g., on- and off-shore wind farms) as well as a week in Iceland learning about their H-based economy.

Ashton Nichols Contributing Faculty

In recent years my teaching and research have moved consistently and directly into the areas of ecocriticism and sustainability studies.

My introductory classes on "Romantic Natural History" and "Literature and Science" have led to upper-level courses with a precise focus on the tradition of American nature writing. This spring I will offer a cross-listed course in English and American Studies entitled "Thoreau, Wilderness, and American Writing." After a thematic introduction to Emerson, Thoreau, and the origins of American environmental thinking, the class will move through Aldo Leopold and Annie Dillard to Bill McKibben—not only his discouraging *End of Nature* but also his more optimistic *Hope, Human and Wild*—concluding with Jared Diamond's *Collapse: How Societies Choose to Fail or Succeed*, a prescient warning about factors that link human beings irrevocably to their environments, natural and cultural. This class will also use the Willoughby Fellowship program to show how technology can reduce our dependence on traditional paper texts and student essays.

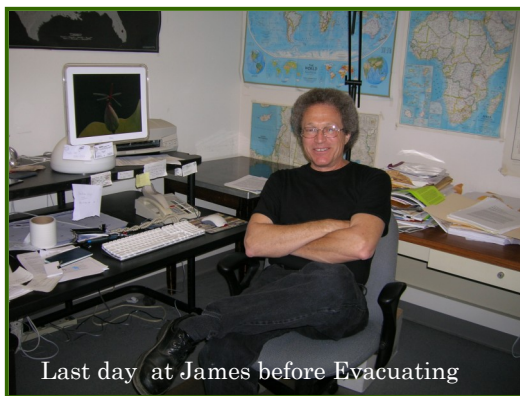
On the research and scholarly front, my reading and writing now concentrate almost exclusively on issues related to our interactions with the natural and "urbanatural" worlds. When Professor Key and I returned from taking a group of students to the Galapagos Islands and Ecuador, I published "Face to Face with Wild Dolphins" in *Sea Stories: An International Journal of Art and Writing*. I was then invited by the *American Philosophical Society* in Philadelphia—founded by Benjamin Franklin and Thomas Jefferson—to present and publish "Roaring Alligators and Burning Tygers: Poetry and Science from William Bartram to Charles Darwin." This fall I traveled to China to present a paper at an international conference hosted by the Fulbright Commission and Tsinghua University in Beijing. That essay, "Thoreau and Urbanature: From *Walden* to Ecocriticism," will appear in *Neohelicon*, a review for studies in comparative and world literature, and will also form the basis for an introduction I have been asked to write for a new edition of Thoreau's *Walden, or Life in the Woods*.

All in all, Dickinson's recent initiative on environmental and sustainability studies could not have come at a better time for me in terms of my own teaching and research. I look forward to working with Neil Leary and my colleagues in a number of departments on ways to think effectively about the most pressing issue of our time—not the economy but the environment.

Michael Heiman Environmental Studies Professor

It's been twenty years since I first came to Dickinson during which the department doubled in size with my arrival then doubled twice again with the hiring of ALLARM staff, our program coordinator, and new faculty. We are really on a roll now that the College has environmental education and sustainability as a defining mission across the curriculum akin to global education.

Faculty and Staff Updates Continued



Last day at James before Evacuating

The most exciting opportunity these past two decades came through the Luce Foundation funded program whereby Candie and I together with 16-21 students spent the fall semesters (2005-2007, with one more planned for 2009 before the money runs out) traveling 6,000 cozy van miles on a comparative assessment of the Chesapeake Bay and Lower Mississippi (i.e., coastal Louisiana) watersheds. Alas, the federal government still appears largely AWOL in New Orleans, save for repair on damaged levees, while church and student volunteers continue to provide the bulk of support for returning evacuees trying to rebuild their ruined neighborhoods. Cultural highlights included staying at the "Blue Moon Hostel" in Lafayette, (i.e., a Cajun honky-tonk with beds), and seeing Big Jack Johnson at Reds--one of the last Mississippi Delta Blues Juke Joints--in Clarksdale, MS ("The Home of the Blues"). Check out the web site and student blogs for the Luce experience off the department's home web page.

On a more personal level, while still interested in environmental justice and hazardous waste, my research over the past decade has moved on to global warming and energy policy. Recent articles address electric utility deregulation and the commitment to renewable energy, and alternative fuels policy. After putting all I had to say about the pitfalls of hydrogen as a transportation fuel in a cover story for *Environment Magazine* (October 2007), my focus this year is best summed up in a paper I am working on: "The Inconvenient Truth of Neoliberal Global Carbon Offset Trading." Here I take the European Union, Wall Street carbon brokers, and even Al Gore to task for suggesting that we can buy our way out of our oversized global carbon footprint by purchasing offset credits. Travel for this research and my usual wanderlust brought me to Maine, California, Berlin Germany, Israel (for a wedding), Utah, and back to Louisiana this past year.



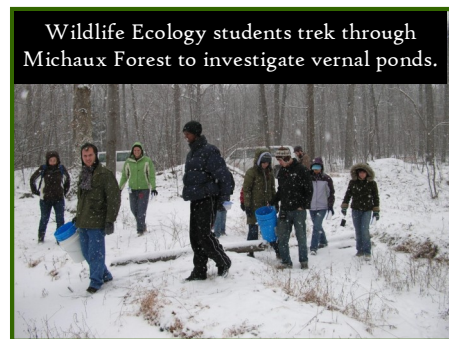
Working on the TRI project Mid 1990

Yes, I know my carbon footprint is way too large, but at least I have no illusion that I can buy my way out through carbon indulgences. Through Alumni Relations, I'll be visiting several alumni clubs in the coming year sharing my views on the sustainability of alternative transportation fuels.

As Candie and I continue in the game of musical chairs, I'll be taking over the department reins once again this coming June. I hope you find the time to come back and visit us in our new home--a converted brownfield with looping corridors longer than the track at Biddle Field. For those of you who can remember, this is the old Reeves-Hoffman radio crystal plant with several thousand gallons of trichloethane under the floor.

How perfect! Actually, we are "on top of it" and the College is doing a fine job with remediation--so much so that we elected to stay rather than move into the newly vacated Althouse (former home of the Chemistry Department).

Gene Wingert Environmental Studies Instructor



Wildlife Ecology students trek through Michaux Forest to investigate vernal ponds.

Gene Wingert is still keeping his feet wet in autumnal vernal pools. This Spring Gene's Wildlife Ecology class will investigate and compare two types of autumnal vernal pools on South Mountain, one

that dries completely in Summer and the other that retains some water year round. On May 21, 2009, Gene will be presenting his Vernal Pond program to the Johnstown, PA Audubon Society.

Gene has also prepared a program documenting the impact of the white-tail deer on Pennsylvania forests and has kept busy presenting this program to various groups in south central Pennsylvania. Gene is also spending time in the forest gathering twigs that will be photographed to prepare a twig key to local trees that will be added to his leaf key, Common Trees of the Harrisburg Area.

Katelyn Repash uses an ice spud to cut a hole in the ice to sample a vernal pond on South Mountain



Alumni Updates

Class of 1980

Kathleen Schriener Marcello

I'm in my 10th year of working in development at the college. I enjoy connecting with alumni every day and helping to raise much needed support for the college.

Class of 1986

Sharon Atkinson

I worked for the U.S. Environmental Protection Agency (EPA) first at their HQ in Washington, DC, then for their Region 2 Office in NYC for a total of almost 12 years. I sat the Bush years out & focused on raising our children & "greening" the schools they've attended. My goal this year is to complete a green kitchen renovation in our new home. After that, I hope to return to work in the environmental field on at least on a part-time basis.

Class of 1990

Resa Dimino

After 14 years working for non-profits, elected officials and as a consultant in New York City, I moved upstate last year to accept an appointment at the NYS DEC. I focus on solid waste and recycling policy and am working to maximize recycling and minimize waste in New York.

Scot Mackey

I have spent the past eight years working with a government relations firm lobbying for NJ specific projects. I have spent most of my time working on environmental issues with the NJDEP on behalf of commercial fishermen, non-profits and corporations. The most interesting project right now is supporting the development of an Off-shore wind-farm in NJ.

Class of 1991



David Hodgkinson

Life is good. We (wife, Sandy and Daughter Jamie 2 years old) live in Old Town, Alexandria. We stay very active, enjoying the outdoors, especially camping, running, and taking skiing trips in the Winter. I currently work at the U.S. Department of State as a Senior Advisor on Justice and Security matters. Lately, I have been working with foreign governments on ways to stop illegal cutting of forests by organized crime groups. The picture on the website of students kayaking brings back some great memories of field trips led by Candie. Happy 2009!!!!



Steven Weber

Leah, Isaac and I welcomed baby Simon into our family in November. We've lived in Maplewood, NJ for three years. I

have been with New York City's Department of Transportation for six years, recently leading a team that developed the transportation elements of PlaNYC, the City's long term sustainability plan. I am now leading efforts to reform parking policy, improve freight mobility, and improve bus service.

Christine Wisnewski



After Dickinson I spent almost 10 years managing projects at The Nature Conservancy, and then took some time off with our kids Olivia, 9 and Ian 5. We live

in Northern Virginia, in a neighborhood with a stream that gives me the opportunity to relive my ES/ALLARM days and teach the kids about their mayfly and stonefly neighbors. A few years ago I returned to work as Senior Project Manager for Sound Science LLC (www.sound-science.org). Our mission is to help organizations craft goals and objectives, mobilize sound scientific information, measure success, and take actions that contribute to effective decision making. Our work includes consulting on land management practice, conservation, environmental policy, program management and the analysis of data. Sound Science is currently the principal provider of technical support to the U.S. Army Environmental Command, Range and Training Land Assessment Component. We also provide training on biological monitoring to the U.S. Forest Service and other natural resource professionals. We are currently contributing to an effort designed to support strategic planning and land management activities of Land Trusts and other organizations. LandScope America, a collaboration between NatureServe and National Geographic, is a comprehensive website providing tools and information to those interested in conservation and land management.



Class of 1992



Lisa Richards Troy

Tom and I moved to Boston a year and a half ago. We are both middle school science teachers, although I did teach env sci. to 11 and 12 graders last year. We enjoy Boston and love having summers off to spend time with our two boys, Logan and Wyatt. We would love to hear from faculty and alums.

Class of 1993

William Nellen



In the process of transitioning from 3 years in Atlanta to take over a new role within the firm, to lead our environmental liabilities practice for the mid-west region, based in Chicago. This will be our 3rd city with Marsh (NY, Atl, Chicago); but looking forward to the professional challenge and making new friends.

Class of 1994

Heather Thomas-Overholser



Hello! I'm very excited to hear what everyone is up to. I've been in the West since graduation from Dickinson in 1994.

I was first in Montana for a short time (thanks to fellow ES grad Katherine Dayton), and have been in Wyoming for the past 14 years. I worked for the Jackson Hole Conservation Alliance, a local environmental advocacy non-profit, from 1995-2003, serving as Development Director. In 2003, I became the Executive Director of Jackson Community Recycling. Never thought trash could be so exciting. I married my wonderful husband, Drew, in 2004 and we had a beautiful baby boy named Wyatt in February 2008. I love my new role as mom. We live in Jackson Hole, Wyoming, where we try to spend as much time as possible running the rivers, hiking and skiing the mountains, and admiring the wildlife and landscape, although the majority of our time lately has been spent admiring our new son. Please drop a line if you are in the area.

Class of 1995

Christopher Burak



I live in Cumberland County, Pennsylvania and teach grade 8 science at Mechanicsburg Area School District. During my free time I enjoy traveling and speaking Spanish. Since completing my semester abroad with the School For Field Studies, Atenas, Costa Rica, I have returned to the community many times. I currently run a small farm in nearby Morazan, Costa Rica.

Bruce Wildblood-Crawford

Hi everybody. I have been living in New Zealand for the last 9 years and life has been busy but good. I finally finished my PhD, which examined the politics of science and issues concerning environmental justice through a case study of dioxins in New Zealand. I am now teaching at the EcoQuest Education Foundation, an excellent study abroad program that I have been part of since moving to New Zealand. Parenthood has

taken over my life and filled it with wonderful joys and challenges! We plan on visiting the US this July-Aug so be in touch and our paths may cross. Peace and happiness for the new year! -Bruce

Mardi Ditze

I was not a part of the ES studies at Dickinson, but I lived in the Treehouse while at Dickinson- ES has always been of interest to me. I would align myself moreso with the activist, rather than the scientist. I write because I work with 2 alumni from the ES department. We work for a wind energy company, Iberdrola Renewables, with US based headquarters in Radnor PA (Dickinson buys wind energy credits from our company!). Katie Barrett and Greg Fuller graduated 10 years after me but we are all working for the same company in 3 different departments, each contributing differently to the development of the wind industry. We challenge each other with our different views and contributions Dickinson community. On behalf of the Sociology department's graduate, thank you for your attention.



Javier Palazuelos



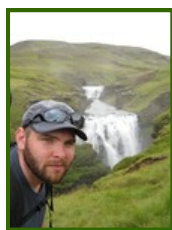
I am now married to Clara, also from Bolivia, with whom I have had a lovely (texan! :) baby girl. We

live in the Dallas-Fort Worth area. Professional Life - I work at American Airlines, where I have been for the last 7 years in Marketing and Sales. In the office, I have been the "environmental coordinator" (advocating and informing staff of news/opportunities)!

Class of 1996

Angela Ballew Clifton

Celebrated 11 years of marriage with my husband Ken this past July. We live on a little farm just outside Salisbury, NC with our two daughters, two sheep, and two cats. Will celebrate 10 years with the City of Salisbury this June as the GIS Coordinator. One of the favorite parts of my job is conducting GIS training as an ESRI Authorized Instructor for other GIS professionals.



Jonathan Gourley

I've put my Dickinson degrees to good use as I currently am 1/3 of a small but growing Environmental Science Program at Trinity College, in Hartford, CT. I currently teach several envi. sci. and geology classes/labs as well as a course in GIS. I love being back at a small college. Reminds me my days back in the old Clark Center!

Heather Hasbrouck

After I graduated from Dickinson I moved to the beach in San Diego and have been here for 12 years. In addition to my day job I've been volunteering for a small 501C3 non-profit organization Children of Chernobyl Foundation of San Diego since May 2001, and currently serving as President on the Board of Directors. I've even had the opportunity to travel to Belarus for our partner's conference in 2006 and meet all of the families of the children. Volunteering for this organization has been one of the most rewarding experiences and a lot of fun. I also oversee a gallery as part of our fundraising efforts selling artwork donated by a children's art school in Minsk. Our mission is to make a difference in the lives of the children affected by the 1986 Chernobyl Nuclear Reactor Disaster.

Volunteers comprising our organization are demographically very mixed: They include parents, professionals, teenagers, young people, single, married, and people of varied religious beliefs who all share one common goal to make a difference in one of these children's lives. In addition to donations by generous host families and supporters, Maria Sharapova sponsored 10 children last year, and met with the children two summers ago. Each summer we bring a new group of underprivileged children, 20-25 boys and girls, between the ages of 8 and 18, spend 5 week vacations during July and August in the San Diego area. These children are selected by our partner organization Medicine and Chernobyl in Minsk, Belarus. The children receive the opportunity to experience a five-week respite from their contaminated living environments by visiting San Diego. The children we invite have no major health issues. However, our program provides them with a healthy respite from their unsafe environment of radioactive contamination. Clean air, pure water and uncontaminated food result in a substantial improvement in the condition of the children. The children who visit usually show remarkable changes. These changes include improvements in skin coloring, disappearance of bruises and sores, better appetite and higher level of energy. Families in Belarus report an improvement in the overall health of children who have had an opportunity for a respite visit. While in the U.S., many of the children receive dental and medical care not available to them in Belarus (services usually donated by local doctors). Most importantly the children have fun. They get to see the ocean for the first time, and Sea-world, Legoland and the San Diego Zoo donate tickets.



Gregory Kozlowski

We have had a good year. Emma is 16 months old now and is a handful. Much like her dad, she enjoys being outside much more than being in. Work has been exciting at MMS.

We are now the regulatory agency for offshore alternative energy, as well as oil, gas, and other minerals. I am currently handling the NEPA portion of two proposed alternative energy projects off Florida and assisting with another off Georgia. Life in New Orleans has its ups and downs, but we are optimistic that the city will change for the better. The good outweighs the bad and we hope that it will continue that way.

Melissa Russo



Last year Bob & I bought the 1880s miners boarding house here in the Boulder foothills of the Rocky Mountains. It has been, and still is, a major "green" remodel: passive solar, radiant floor heating, adobe brick wall & floor for thermal mass, straw bale walls, soy insulation, super efficient & reused windows, LOTS of reused materials, dual flush toilet... So much more to do, but can't wait to get going with the gardens, greenhouse, chickens & bees. It is very exciting! Seattle 8/07: Gretchen, Kristen, Kristin, Beth, Melissa

Class of 1998

Carissa Lord

After a brief few years working in ad sales/publishing in Chicago and NYC, I decided to get back into the environmental field. I moved to Rhode Island in 2003 to attend the University of Rhode Island; and got my Masters Degree in Marine Affairs in 2005. My current job as a GIS analyst for an environmental consulting firm allows me to be creative and work on a variety of projects. Rhode Island is a fun, special place. You are never too far from mountains, the beaches, Boston, or NY.

Class of 1999



Mike Healy

After a summer on the Chesapeake Bay and a 5-year stint as a full-time naturalist in

northern Virginia, I moved out to Wisconsin for grad school, which I just wrapped up this winter. I'm now working as an ecologist for the company I founded, Adaptive Restoration LLC. We provide sustainable, science-based ecological restoration consulting, with a focus on wetlands, prairies, and savannas. Most of my free time is spent on the water, either paddling, canoeing or fishing. Wisconsin is awesome... lots of great lakes (ha ha) and rivers here. Unfortunately there's not many Dickinson folks out this way, so if you're passing through, feel free to stop by to say hi! My buddy Thom Wallace '99 is still running Ecofusion, a company we started right after graduation. You should check them out-- they do excellent work!
www.ecofusion.com

Class of 2000



Daniel Jannone

Hello all, Sending warm regards from Prescott AZ this winter. Mr. Dan continues to teach elementary school (6th Year at Primavera School) where his students conduct bi weekly water monitoring studies on a local creek and explore the natural wonders of Arizona and the southwest. He recently applied for a grant to install a rainwater harvesting system at Primavera School and is currently designing a school garden with his colleagues.

In October, his 3rd and 4th grade class spent 3 days exploring northern Arizona's scenic canyons, cultural artifacts, the Glen Canyon Dam, and observed the recreation opportunities (and human manipulation) of the Colorado River via a large rubber raft. In May, they will continue their expeditions to Catalina Island to study the ocean, islands, and human history of the unique Channel Island off the coast of L.A. Dan ran the Whiskey Row Marathon last spring (and followed with a ceremonial shot of whiskey in the Saloon on Whiskey Row), and plans to ride on a 4 man team in the 24 hour Old Pueblo Mountain Bike Race in Tucson in February. He enjoys riding his bike, soaking in his wood-fired cedar hot tub, sweating in his neighbors steam sauna, gardening, river running, hiking into the Big Ditch (Grand Canyon), and getting outside whenever possible.

Melissa Pitchford



After I graduated in 2000, I've been working in the environmental consulting busi-

ness. Since 2001, I've been employed with URS Corporation and have a few co-workers who are alums too! In particular, I enjoy the variety of my job in that some days I'm in the office writing reports and others I spend "out in the field". It's a good mix! Jeff and I were married in 2006. We currently live in Skippack (outside of Philadelphia) and hope to visit campus soon as I've heard it has changed a lot in the past several years... We recently took a trip out west and had the chance to visit the Grand Canyon for the first time - nothing could prepare us for that initial glance! Also, this summer I attempted to make "Pat's beans" for a BBQ and they were received very well - I can see why Pat's recipe is so prized!

Amy Vezina

Currently a stay-at-home and homeschooling mom to our four girls! This keeps me quite busy and fulfilled.

I am constantly learning from the school of life, and my passions are health, diet, food as medicine, farming, buying local, and everything natural and sustainable. I am especially interested in the connection between the environment, our diets, our health, and our political system and ways to encourage people into action to change the current state of our health as a society. Daughter Cassidy (who was born while I was at Dickinson and is nearing her 12th birthday), is quite sure that she will also attend Dickinson someday! Maybe another ES major?

Class of 2001



Lisa Zubowicz Leighton

After graduating in 2001, I moved to Washington DC (with dozens of my fellow Dickinsonians) where I worked for an environmental

consulting firm for 2 years. Feeling the bug to do grassroots advocacy work, I moved to Philadelphia to be PennFuture's Outreach Coordinator for Eastern Pennsylvania. Much of my work focused on renewable energy, specifically working with consumers and large organizations to purchase green energy. Much of that work culminated in the website, CleanYourAir.org. After 3 years with PennFuture, I was ready to move again! So, after marrying my college sweetheart Jeff, we decided to move to Tampa where I worked for a fast-paced, high-energy Public Relations firm specializing in environmental issues/environmental clients. I loved it and thrived in the warm climate, but missed my family and friends in the "grey north". So, after some soul searching, we moved to Central PA, where I grew up. I now work in the tourism industry as the Marketing Director for the Susquehanna River Valley Visitors Bureau in Lewisburg, PA (home of Bucknell University and historic downtown Lewisburg). I promote the region through various ad and promotional campaigns, do graphic design, write, work with the media, maintain our website (VisitCentralPA.org) and manage a marketing budget.

While it's not in the environmental field per se, I truly have found my dream job in that it's creative, flexible, challenging, and most importantly, FUN. And, thankfully, the Susquehanna River Valley is home to some awe-inspiring outdoor recreation, scenic vistas, and of course, THE RIVER. So, there isn't a shortage of amazing things to promote. Most recently, Jeff and I bought our first home in October. It's a fixer-upper, located on a lake in the middle of nowhere. The best part, other than the privacy? The bird watching from our sun room windows. I think of my fellow ES alums and former professors often, and send hugs across the miles...

Class of 2002



Kate Bronstein

Just finished grad school at UNC-School of Public Health where I researched emerging contaminants in wastewater and their fate and transport in surface streams. I got engaged in Zion National Park in August 08 and am now back in Raleigh working as an environmental scientist/engineer at RTI International on waste management issues and environmental policy development in Abu Dhabi, UAE.



Vallie Lewis Edenbo

Chris and I are living in Boiling Springs, near the Appalachian

Trail. I am working in the ES department at Dickinson and he is working at Diakon Wilderness Center (formerly Tressler). In the summer, we operate an organic market garden and offer CSA shares in the Carlisle area.

Angela Wallis

I moved to Seattle in 2005 after working for three years in D.C. as a paralegal. I learned that environmental law wasn't for me after all, and decided to get a Masters of Public Administration at University of Washington. I reconnected with my love of trees and forests by taking a few graduate courses at the School of Forestry, and visited some of the best old-growth forests left in Oregon and Washington. The highlight of my graduate studies was riding in the canopy crane at the Wind River Experimental Forest in southwest Washington. After graduating in June 2007, I became the resource conservation manager for King County Housing Authority, a low-income public housing agency. I monitor and analyze our utility consumption, and implement conservation plans to reduce our resource use, and save the Authority money. I also lead our organization's Green Team, provide education to staff, and anchor our agency's version of the television show "Lifestyles of the Rich and Famous"-- "Lifestyles of the Green and Famous." Since graduating from Dickinson, I've traveled to South Africa, France and Panama, and driven across the country twice. During my personal time, I help lead a grassroots neighborhood sustainability group, and train as a volunteer worker.

Becky Karasack Woldt



My husband Justin and I live near Columbia, SC. Justin works at Congaree National Park as a Park Ranger and I have been teaching after-school science programs for elementary students. In a few months, I will be working at Congaree too as a seasonal Park Ranger. Congaree is an amazing place with huge trees and diverse wetlands. We have enjoyed kayaking in the park and surrounding area.

Class of 2003

Heather Friedmann



I am working currently as a Researcher for Public Safety and Homeland Security at the State House in Boston, MA. I am very close to

completing my Master's in Environmental Management (I graduate in March 2009) and hope to transition into a more "environmental" career after graduation. I got married in Lima, Peru in August 2008 and went to Machu Picchu for my honeymoon, which was amazing.

My husband is living and working in Doha, Qatar as a Human Resources Director for Swissboring, a subsidiary of TreviGroup, which is a multinational construction company. I'm making my first trip to visit Doha and Dubai, UAE from December 9-20. Best wishes to everyone!!



Amy Montalbano Martinez



I currently live in Southern California and have worked for an environmental consulting firm for the past 5 years. I specialize in performing environmental compliance audits for federal, state, and commercial clients. My areas of interest include hazardous waste, pollution prevention, green procurement, and sustainability. I recently got married to a wonderful man that I met in Mississippi during our work for FEMA after Hurricane Katrina.



Patrick Sutton

After graduating from Dickinson in 2003, I moved

to Manchester New Hampshire where I worked as an environmental consultant for GeoInsight. At the time I was working with Cheryl Eberth, who was also a graduate from Dickinson in 2003 with a BS in Geology. I worked on a lot of state funded soil and groundwater remediation projects, such as Brownfield restorations, a Superfund site, landfills, and gas stations.

It was a great experience and I got to spend a lot of time in the field collecting samples and overseeing the installation of monitoring wells and remediation systems. I married Lauren Hendrick in 2006 (also a Dickinson 2003 graduate) and we moved out to the San Francisco Bay area in 2007. I now work at a company called BASELINE Environmental Consulting. We typically write Environmental Impact Reports for large development projects. Environmental Impact Reports help local agencies and the public review the potential impacts a development project might have on the local community and the environment prior to approving the project. I commonly write the geology, hydrology, and hazardous materials sections of an Environmental Impact Report. I like that each report tends to contain unique elements specific to the project, which has greatly improved my technical writing. If there is anyone that has questions about environmental consulting or general questions about companies in the Bay Area or New Hampshire/Massachusetts, I'd be happy to chat. This is a career that I just happened to fall into and I love it. A big hello to the entire Environmental Science faculty at Dickinson!



Eric Wiediger

Hey everyone! Hope you are all well. After Dickinson, I worked in the Gobi Desert of Mongolia for two years as a Peace Corps environment volunteer helping with environmental awareness and sustainable small business development. Good times. Since then, I've been with the PA DEP in the Philadelphia area inspecting companies for RCRA compliance. I am also finishing up a Master of Public Health degree in Environmental Health from West Chester University.

Class of 2004

Danny Blum

Greetings all- I live in Alexandria, Virginia and work in D.C. for the consulting firm Booz Allen Hamilton. My team specifically supports a group within the Federal Aviation Administration that manages FAA's environmental and safety (OSHA) compliance. If any current or future Dickinson alumni have questions about Booz Allen, I'm always happy to chat about the firm and the environmental consulting work with which I've been involved. I am also currently pursuing my MS in environmental science at Johns Hopkins' through its Washington Center location. Best. -Danny

Claire Foster

Since graduating from Dickinson, I have lived many different places, including Italy, Idaho and most recently New Hampshire. I currently work as an instructor for a residential environmental education center, tromping around the forest all week long with 5th and 6th graders.

Sarah Pears

I'm currently a grad student at the University of Vermont's Rubenstein School of Environment and Natural Resources. I'm studying the potential impacts of *Sirex noctilio*, an invasive woodwasp, on pine species in Vermont. If all goes according to plan I'll receive a Masters degree in Natural Resources in 2010.

Class of 2005



Katie Barrett

I graduated from Dickinson in 2005 where I was a

double-major in Environmental Science and Policy Studies. I am now living just outside of Philadelphia and working for a large wind energy development company, Iberdrola Renewables, along with two other Dickinson alumni. My job currently involves the marketing of wind energy and other renewables to residential and commercial customers. I enjoy working in a young and exciting industry where I can help to promote clean energy, and I am always proud to see Dickinson as a customer that purchases wind energy from us!

Peter Enderlin

After working in the environmental consulting field for about three years I have happily returned to academia. I am currently in pursuit of a M.S. at the Ohio State University. My research project is focused on geomorphic tectonics, a path that will allow me to spend several weeks doing field work in Argentina in the Spring of 2009!

Greg Fuller

I currently live just outside of Philadelphia where I have been working for a wind energy development company since I graduated from Dickinson in 2005. My employer, Iberdrola Renewables, is one of the world's largest owners and operators of wind farms. My job currently involves managing several wind energy development projects across Pennsylvania and Ohio from inception to construction. I also have the fortune of working in the same office as two Dickinsonians, one of which is a fellow ES major.



Jennifer Korth

I received a Master of Environmental Management (MEM) from

Duke University in May of 2007 and I started working for ARCADIS, an engineering and environmental consulting firm, in June of 2007. ARCADIS allows me to do a variety of different things (i.e., permit writing, wetland delineations, macroinvertebrate studies, small mammal trapping studies, seep sampling, habitat evaluation and restoration, 316(b) work, fish studies, etc). I spend about 2/3 of my time in the office and 1/3 of my time in the field. I have done field work in New Jersey, Pennsylvania, New York, North Carolina, Connecticut, etc.

On the personal side of things, I am getting married in May. Wedding planning takes up a significant amount of my time when I'm not working. Justin and I and our two dogs recently moved back to Philadelphia, where we are enjoying being closer to family and friends.



Colleen Haney Mason

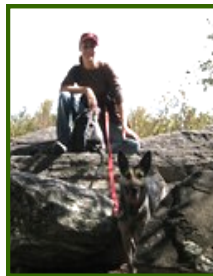


I am currently employed at the U.S. EPA in the Office of Air and Radiation. One of my main tasks at EPA is to produce an annual report on the progress made under the Acid Rain Program (Title IV of the 1990 Clean Air Act Amendments). I recently got married in October 2008 to Casey Mason (Dickinson Class of 2004). We currently reside in Arlington, Virginia with our dog Sophie.



Class of 2006

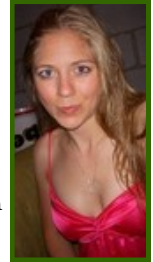
Kelly Brzezinski Marquart



I live in Howard County Maryland with my husband and our dog. I enjoy teaching students about the environment.

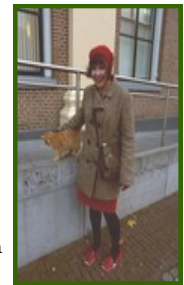
Meghan Klasic

I'm living in Germantown, MD and working at the USEPA in the Office of Drinking Water (Drinking Water Protection Branch). I am the National Coordinator for Operator Certification and the National Coordinator for the state Expense Reimbursement grants. In addition, I manage 4 Technical Assistance Center grants (University of Illinois, Penn State, University of Western Kentucky and University of Alaska).



Becki Walker

Since I left Dickinson after spending a year as Sustainability Specialist, much has changed. After moving to Oregon in May of 2007, I spent a few months working as a horticulturist at the Oregon Garden, then moved on to learn about phytoremediation as part of the Sustainable Plant Research and Outreach Program at Chemeketa Community College. In February of 2008, I got a job that's a little more local, and now spend my days teaching K-12 students about stormwater pollution -- something my ALLARM experience definitely prepared me well for. I recently "engaged the world" while visiting my boyfriend in Holland. I spent the better part of a month taking photos of storm drains, petting stray cats, and trying to figure out why nobody in the Low Countries recycles plastic. But perhaps that's a mystery for another time.



Class of 2007

Emma Andrews

Since graduating, I've had three jobs that were all very different, but exciting nonetheless. I spent a year at the EPA Chesapeake Bay Program as one of the Chesapeake Research Consortium Fellows working on a Chesapeake Land Change Model. Because Matt got a seasonal job as a law enforcement park ranger, I left Annapolis to start a career in the National Park Service at Rocky Mountain National Park in Colorado as a park Water Treatment Plant Operator. Just this September, however, Matt took a permanent job as an LE ranger for Everglades National Park where he's having fun airboating and shooting invasive nine foot long pythons. I currently work at Biscayne giving snorkel and glass bottom boat tours, ranger's programs, and on occasion discovering abandoned Cuban Refugee rafts on the park's island keys. I hope to start working on my GIS certificate this summer.



Audrey Fisher

I recently completed my second season as an apprentice at

New Morning Farm in Hustontown, PA. This spring, my partner Cameron and I will begin our own small farm in Franklin County. At some point in the next several years, I hope to attend graduate school for Rural Sociology when I'm not otherwise occupied with developing a small business and fine-tuning my organic pest control techniques.

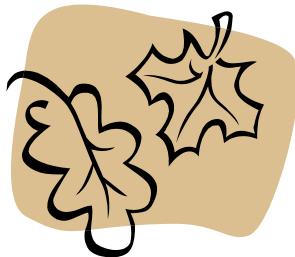
Tara Goss

I have been working at EHOS for 4 seasons now and loving it. Spending time with kids and teaching them about things I enjoy is awesome. It gets tiring sometimes but the ways that nature and the children and my co-workers surprise me makes it all worth while. I will be working here on the Eastern Shore until the end of summer when I plan to move to Philadelphia, doing what, I'm not sure yet... but you can bet I'll be sure to ENGAGE THE WORLD! Yay!

Lisa Maas



Since graduating from the illustrious limestone walls of Dickinsonia, I have been the eternal intern. I sprayed noxious weeds in the Salmon-Challis National Forest, ID, and discovered the wonder and glory of wilderness areas and the realities of chemical control of invasive species. Last flower blooming season, I monitored endangered plant populations throughout Oregon with the Institute for Applied Ecology and daydreamed about a Pacific coast Treehouse. Most recently, I telemeterized radio-collared black bears and shot them out of Yosemite National Park campgrounds with a paintball gun to avert camper-bear conflicts and food storage violations. I am currently in the process of applying to the Conservation Biology and Sustainable Development master's program at the University of Wisconsin-Madison and crossing my fingers.



Class of 2008

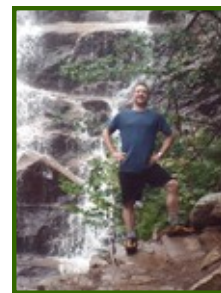
Matt Freedman



I'm currently working for the Institute of Florida Studies, which entails grant writing, creating and coordinating non-credit environmental courses, and providing field expeditions to over 5,000 kids each year. I really enjoy teaching outdoors, and hope to start a masters program next fall.



Jensen Gelfond



After graduating, I went to Peru and Ecuador/Galapagos Islands for a couple weeks. Towards the end of the summer I hiked the Presidential Range of mountains in

New Hampshire and summited Mount Washington. I spent the fall working as a canvass director with Progressive Future in campaign offices across Pennsylvania and Virginia to get Obama elected. Now that the mission has been accomplished, I have moved down to Asheville, North Carolina to plan next steps.

Dickinson College

Department of Environmental Studies
P.O. Box 1773
Carlisle, PA 17013

Phone: 717-245-1355
Fax: 717-245-1971
E-mail: orrm@dickinson.edu

We're on the Web

<http://www.dickinson.edu/departments/envst/>



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P.O. Box 1773
Carlisle, PA 17013

