



The Dickin-stone-ian

WE WANT YOU!!!

- Has your Dickinson education landed you the perfect career?
- Are you excited to tell people about projects you are currently working on?
- Are you involved in cutting edge work?

If you answered "yes" to any of these questions, the Earth Sciences department would love to have you back to campus to speak with our current majors.

If you would like to share your wisdom, knowledge and experiences with our students, please contact Rob Dean at deanr@dickinson.edu

Geology Department now called Department of Earth Sciences

It's official....

The Department of Geology has now changed its name to the Department of Earth Sciences. In an effort to more accurately reflect what we do and the direction we're heading, it was decided that along with curriculum changes, the department should adopt a name change as well. Starting April 8, 2010 the department was officially recognized as the Department of Earth Sciences!!!

To keep informed about the latest Alumni news and events please click on the following link:

<http://www.dickinson.edu/alumni/>

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

Dickinson Launches New Alumni Resource Named *myDickinson*

Similar to the attributes of facebook, Dickinson has launched it's latest Alumni resource entitled *myDickinson*. *MyDickinson* is available to Dickinson Alums to reconnect and network with other Alums.

The benefits of *myDickinson* over facebook include no annoying advertisements and the fact that this is not open to the general public. Only those who have the distinction of being called Dickinson Alumni are able to join.

To utilize the *myDickinson* site you will need to create an account. Please click on the following link:

<http://my.dickinson.edu/s/1224/start.aspx>

To create your new account, just Click on the "myDickinson links" tab at the top left of the page and scroll down to "Create New Account"

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Spring CASSA Trip takes students and faculty to Sicily

Since 1993, the David and Cary Cassa Fund, created by Mary Rose Cassa '76 in honor of her parents, has helped students and faculty take earth science-focused trips to locales as varied as Yellowstone, Grand Canyon and Glacier national parks as well as the British Isles and Iceland.

This year, 13 students, two faculty members and John Pohl '78, P'06 spent spring break scrambling over and under rocks, hiking to a volcano's mouth and touring some of most renowned cultural landmarks in Sicily.



"[John Pohl] and I have been talking about a trip for the past couple of years," said Ben Edwards, associate professor and chair of Earth Sciences. Pohl decided that the opportunity to accompany niece Leslie Milliman '14 on the trip seemed especially fortuitous.

Photo Left: Former geology and political-science double major John Pohl '78 hunts fossils in Capo Milazzo. Pohl also underwrote expenses related to hiring a guide for part of the trip.

The trip began in the foothills of Siracusa, where the group saw remnants of a Greek amphitheatre and a Roman coliseum. The group also hiked the Hyblean Plateau, hunted for fossils at Capo Milazzo, toured the National Institute of Geophysics and Volcanology, climbed the still-active volcano, Mount Etna, and discovered the purported home of the mythical monster the Cyclops

Photo Below: These carved alcoves near the top of the amphitheatre with channels for running water may have been special seating for wealthy patrons, says Edwards. From left: Paige Hollenbeck '12, Becca Rossi '13 and Natalie Kormushoff '12.



"The trip was a great mix of geology, archaeology and culture," said geology major Everett Lasher '11. "We [also] experienced firsthand the late-night dining habits of the Sicilians; their love of the eight-course, four-hour lunch breaks; and the fast-paced city driving that seemed to make Professor Edwards nervous."

Photo below: On day 4, the group hiked to the southeast side of the volcano Mount Etna, which has four active vents. It most recently erupted in January 2011. "We had a great clear day on top of the snow-covered flanks of the mountain," said Everett Lasher '11. "It provided great views of the 200-plus cinder cones in the distance, the Mediterranean, the city of Catania and

Photo Below: On their last day in Sicily, students clambered over outcroppings of limestone and lava, mythical home to the one-eyed



The CASSA Experience through the eyes of John Pohl

Sicily - A cauldron of Greeks, Phoenicians, Roman history and tectonic activity surrounded by the Ionian, Tyrranian seas and Straits of Malta. Not even D1 schools can offer their prospects a trip like this. But Dickinson's Earth Sciences department can! So what was this trip all about? It was a compendium of geological, cultural and historical events. There, 13 students, 2 professors and I were able to truly gain a perspective of a civilization that grew up in the middle of historical and tectonic cross roads. Our lodging was on the side of Mount Etna in the town of Nicolosi nestled between cinder cones and volcanic flows. We experienced faults that lifted the earth hundreds of meters, snowshoed up to a massive 6 kilometer wide landslide, studied corral waters millions of years old and saw lava that was less than two months old.

We visited the INGV where they kept track of seismic activities around the world amidst the bustling seaside town of Catania and wandered the University and surroundings. We went to Syracuse, where the cathedrals and buildings lie on top of ancient Greek temples, saw an amphitheater (complete with skyboxes and fountains) carved into solid limestone and visited the coliseum where mock naval battles were held. Oh, and did I mention the ten course meal at the farmhouse in the middle of the countryside? Truly this was an interdisciplinary Dickinson experience. I'm not sure how many joined the team. But all were first class students. Thank goodness there were no recruiting violations.

RETIRED FACULTY UPDATES

Professor William Vernon



I am keeping myself busy working on several manuscripts on the work I did in Thailand, writing poetry as a member of the Carlisle Poetry Society, playing the piano, attending plays and musical events, and enjoying life in general. On a personal note, I remarried in Oct. 2009, and spent a honeymoon with my new wife, Susan, at the Grand Canyon. We recently made a trip

through VT and NH and are preparing for a trip to Paris in September. Hope you are all well, and would enjoy hearing from any of you anytime.

Dr. V.

Professor Noel Potter



Retirement is good. Best part is being my own scheduler. I'm still doing geology, but at my pace. I still go out and measure those meanders out toward Waggoner's Gap and help Pete Sak when his class goes out there to re-survey—last Fall we did the year 36 re-survey. I have been working with Dorothy Merritts at F&M on a legacy sediment site in Mount

Holly Gap where 2.5 m of sediment accumulated behind an old dam and the dam was removed in 1985. We have re-bars driven in the banks and I measure how much erosion has occurred every so often. My latest passion is LiDAR, which gives a very detailed image of the ground—to within 10's of cm—and can see through trees. Images of both mountains around here show abundant periglacial solifluction features left over from the cold phases of the Pleistocene. Fortunately we now have LiDAR for the whole state of Pennsylvania publicly available. Until last Fall I was a low-end Mac-user. Now I manipulate LiDAR on a pc with ArcGIS software.

I recently co-led a field trip to South Mountain for the Harrisburg Area Geological Society, using LiDAR images for each of the trip stops. Over the past few years I've chaired or co-chaired two section meetings for GSA. I'm now "GSA Section Meetings Senior Adviser," a volunteer position in which I'm available to help others who are about to run section meetings.

Helen still works at the Pennsylvania Geological Survey. Our son, Noel Lewis, is 16 and just finishing his sophomore year of high school. He's an avid Red Sox fan—what else with parents from New England? A month ago I attended the 7th Annual Potter Lectures, and am grateful to a number of you who contributed to the fund to help bring top-notch folks to the department for lectures. Stay in touch. I'm on e-mail at pottern@dickinson.edu

Professor Jeffrey Niemitz



I guess it has been three years since the last newsletter and the same time as the 50th Anniversary of the department's major being established. As always I have been busy with many projects at work and home. I am quite involved in the Sustainability effort at Dickinson being on the steering committee for the Center. Starting last year I have been a co-PI on a successful 3-year NASA grant to teach teachers about Climate Change. We run workshops in the summer on climate science and integrating climate studies into all disciplines and climate modeling. We are working with four community colleges so that the new curricula being developed can be disseminated to many 1000's of students. The grant also provides money for student-faculty research, professional development of curricula, and other sustainability projects for Dickinson. My research student this year was funded through the NASA grant.

In the fall history professor Jeremy Ball, CSE director Neil Leary, and I will be offering an African Climate Mosaic semester. We will each teach a course plus an independent study for the students culminating in a 3-week trip to the UN COP-17 climate conference in Durban, South Africa in December.

The Center has just hired a new post-doctoral fellow for next year who will work on local stream hydrologic models with LIDAR and GIS. I will be one of her faculty mentors. We plan to continue working on the Legacy Sediments project students and I started about three years ago. Legacy Sediments are large masses of sediment that have collected behind many 1000's of 17th to 19th century mill dams throughout the eastern US. There are many in the Cumberland Valley. We have been examining two on the Yellow Breeches Creek for trace metals and phosphorus content from agricultural runoff. So far we have looked at the chemistry of the sediment masses at different sites, the effects of soluble trace metals on macroinvertebrates in the stream, and the suspended sediment flux with contaminants with respect to climate change. All of these projects were presented by the students at national meetings and we are in the process of writing them up for publication this fall.

Many of you know that we have not only changed the department name but also the options for the major. One aspect I have been involved in is the (sort of) new Earth History course. For you old timers this is the Historical Geology course reinvented. I did the inaugural semester in the fall and had a lot of fun with it. To quote Yogi Berra, "it was like déjà vue all over again". I didn't realize how much I missed teaching that material.

On the home front, we are blessed with three great kids, the last of which is getting married this June to a wonderful girl from Atlanta. For some reason all three went for southern spouses. We have a perfect (of course!) 18-month old grandson and a granddaughter to arrive in July. Grand parenting is much better than parenting because you can give them back. Actually we have thought about keeping the first one and know the second one will be just as great.

Trish and I are "muddling through" trying to keep busy at Church as an elder and on the board of directors of the Sadler Health Center (low income health provider in Carlisle). We talk a lot about retirement and the \$1.98 we will have to spend due to the economic "downturn". In the past three years we have been to central Mexico and Belize on missions trips. This summer I will be going to Zimbabwe and Zambia, Africa to help meet the needs of the many AIDS orphans there. Should be exciting.

Many of you have stopped by when you were in the vicinity. Trish and I are always available to provide a meal or put you up for the night if you can stay for a bit. We are never too busy and would love to catch up with what you are doing.

Cheers and best wishes

Jeff



Professor Marcus Key

My family and I are settling back into the Carlisle-Dickinson routine after two wonderful years running Dickinson's science study abroad program at the University of East Anglia (home of Climategate) in Norwich England. We enjoyed the opportunity of learning a new culture (and language), making new friends, and travelling too much! While there I had the opportunity to teach a History of Science course in London and Edinburgh as well as a Sustainability Science. The former course included a trip to Siccar Point, and the latter course included a trip to Iceland. Last year while in Iceland with a dozen Dickinson students studying renewable energy, we were caught by the infamous eruption; geology in action!



While in England I was honored to be appointed the Joseph Priestley Professor of Natural Philosophy at Dickinson! Now that I am back in Carlisle, I am teaching Paleontology, Energy Resources, Earth History (a new introductory course), and Sedimentology & Stratigraphy. I took my Energy Resources class this semester to Bradford County, PA to learn about Marcellus Shale drilling. That was an eye opening experience for us all.

My research lately has evolved the evolution of epibiosis of bryozoans on various host animals (e.g., extant sea spiders from Antarctica and Ordovician trilobites from Ohio). Epibiosis involves one organism living on another; imagine barnacles growing on the head of a whale. Students have been working with me on applying the mathematics of stream channel branching and fluid flow to colony-wide feeding currents in Permian bryozoans from Greenland. You can see more about what I have been up to at:

http://www2.dickinson.edu/departments/geol/Faculty/key_contact.html

Many of the exciting things happening in the department are directly related to your past support of student research and field experiences. For example, the William Vernon Research Prize in Geology and the Henry Hanson Research Prize in Geology have supported some of our senior theses such as James Haklar's "Geochemical and Thermodynamic Constraints on the Source Region for the 2010 Fimmvörðuháls Eruption, Rob Jansen's "Origins of Polymictic Diamict at Kima' Kho, Northern British Columbia, Canada", and Everett Lasher's "The Implications of Climate Change on Stream Flow and Legacy Sediment Remobilization: Yellow Breeches Creek, Cumberland County, PA." The Cassa Extended Field Trip Fund subsidizes fieldtrip costs for students which has allowed us to take them to Hawaii, Death Valley, Grand Canyon, Zion, Yellowstone, Glacier, Acadia, England, Scotland, and Wales. This spring we were able to take 13 students along with alumnus John Pohl ('78) to Mt. Etna! Finally, the Potter Lectureship Fund supports bringing a distinguished Earth scientist to campus each year to interact with our students. This Spring it was a delight to have our 7th Annual Potter Lecturer: Katharine Huntington from the Department of Earth and Space Sciences at the University of Washington. Her main public lecture was, "Plateaus to Paleoclimate: 'Clumped Isotopes' in Earth Science."

If you are able to contribute to any of these funds, please send a check payable to Dickinson College to Marcus Key, Dept. of Earth Sciences, Dickinson College, P.O. Box 1773, Carlisle, PA 17013-2896. Please indicate on the memo line which fund you would like to contribute to (i.e., William Vernon Research Prize, Henry Hanson Research Prize, the Cassa Extended Field Trip Fund and/or Potter Lectureship Fund,). Our goal is to build the research funds to the point where we can provide some funding to all our seniors.



Professor Benjamin Edwards

Greetings Geology Alumni!

It's been two years since we have published a department newsletter, and needless to say many things have changed over the past two years. Some of the most exciting news includes changes to the Department name (we are now Earth Sciences), tenuring of Pete Sak, Jeff Niemitz's election as a GSA Fellow, and Marcus Key being named as the Priestly Chair.

The most obvious is that, as of last spring, we are now the Department of Earth Sciences. We changed our name, and some of our core curriculum, in an effort to increase our visibility on campus in light of the new Sustainability initiative that is in the forefront of Dickinson advertising. We also felt that the terms Earth Sciences would be more recognizable to incoming students, most of whom never have had exposure to the term 'Geology' in their K-12 education. Our 'anglized' department name is also in following with the College's recent decision to make our diplomas have English instead of Latin as the de facto lingua, so employers have an easier time verifying exactly in what our graduates have gotten degrees! Other changes include consolidating the introductory curriculum down to two 100-level courses, creating a new suite of 200-level courses (topical courses including Climate Change, Environmental Hazards, Oceanography), moving our 'core' courses to the 300-level, and creating four separate 'tracks' within the major (Geoscience, Environmental Geoscience, Earth Sciences Education, and Student-developed).

As part of our new curriculum, we significantly revamped our Planet Earth course, including creating a lab manual for students. We will revise these labs heavily over the next year or two, but hopefully we will then have a 'standard' set of labs to teach. Also part of our new curriculum, we are all going to be teaching both 100-level courses, so that all four of us have a in-depth knowledge of what our new majors should know after taking the introductory sequence.

Our 'new' home, Kaufman Hall, is continuing to undergo renovations that are having a generally positive impact on the department. We will be working to re-establish the Renney Museum over the coming year, and as a start Katherine Anderson (2011) put together a fantastic display using minerals from an African collection donated to the department by David Ellis. Katie had help from Phil Earenfight at the Trout Gallery, and so this new display is definitely museum quality!

As usual, we are finding many ways to get students to see geology in the field. Pete took his field geology class to Canada for a week at the start of the fall semester to experience a variety of transport methods critical to field geology. Over spring break, Marcus and I took a group of 13 students (majors + interested first year students) to learn about the links between volcanism and bryozoans in Sicily. We were very fortunate to have alum John Pohl join us for the trip, as he had recently completed a field course in Sicily and helped us teach students a variety of topics.

In my research life, I have been busy working on using volcanoes to understand long-term Pleistocene climate change, snow-ice-lava-tephra interactions from the 2010 eruption at Eyjafjallajökull in Iceland, and starting to become more involved in understanding the petrogenesis of our local Mesozoic diabase systems. I'm working on finishing data collection and writing papers from two NSF-funded grants, both of which helped to support field costs for two graduating seniors (see the abstracts from James Haklar and Rob Jansen). I'm heading to the IUGG conference in Melbourne in late June, and will be returning to Iceland and Eyjafjallajökull in late July to finish fieldwork.

In my outside-the-limestone life, we are staying very busy watching the girls play sports, and are starting the annual spring soccer to fall field hockey transition now. I am keeping my field photography skills in tune trying to catch action photos of Carlisle area sports teams. So not much time to pursue trout and bass, but please feel free to come back to the department for a visit to give me an 'official' excuse to conduct biogeological research focused on shale/limestone/water/bass/trout interactions!

Professor Peter Sak

Hello alumni and friends of Dickinson Earth Sciences. I hope you are doing well. We just finished another busy but fun-filled year of teaching and research. In short, life is good! On the teaching front, I'm still teaching planet earth, surface processes, field, and structural geology. Teaching introductory courses for non-majors continues to be especially rewarding given that many entering students haven't completed a high-school geology course. Moreover, Central PA remains a splendid location to expose students to diverse geologic processes and features. Working with recent groups of geology majors has been equally rewarding. It's always fun helping geology majors collect data during semester-long projects, conceive and carry out various research projects, and learn during extended field excursions outside PA.



My research efforts continue to center on: (1) deformation along convergent margins especially along the Costa Rican segment of the Middle American trench, (2) the deformational history of the Pennsylvania salient, and (3) low temperature aqueous geochemistry. Over the past few years student colleagues and I have focused on constructing balanced cross sections across the Pennsylvania salient and estimating the magnitude of Alleghanian shortening across the Valley and Ridge and Appalachian plateau. The past spring I was fortunate to spend 5 weeks aboard the JOIDES Resolution drillship while offshore of Costa Rica as part of an Integrated Ocean Drilling Program expedition. Through this work, I will be looking for evidence to help pin-down the timing of second-order subduction processes, including flat-slab subduction of buoyant oceanic crust in the form of spreading ridges and oceanic plateaus. This summer and next year, I will spend time working up the data from these projects while I am on sabbatical. On the home front, Linda and Maya are doing well. We all enjoy hiking and paddling the many local trails and waterways when we aren't traveling to the to see family and friends or playing at the playground. I truly look forward to hearing from department alumni and friends through email updates, campus visits, or upcoming conferences – please do stay in touch. Or better yet, join us for a field trip.

Professor Nate Lorentz



I joined Dickinson Earth Sciences in the fall of 2009 to cover soft-rock issues while Marcus was in Norwich, which included teaching Earth Systems Science and Sedimentology and Stratigraphy. I stayed for the 2010-2011 academic year, focusing on teaching the new Earth History course with Jeff and Marcus.

Coming from Los Angeles, Dickinson represented an exciting opportunity to explore eastern North America geology while teaching in an atmosphere of rigorous academics. Indeed, my time at Dickinson has been incredible. The students are excellent and engaged. The faculty are active and supportive. Finally, the campus is beautiful, and there's always something interesting going on.

The Earth Sciences Department is a true gem. In addition to an active commitment to excellent science education, the department is involved in numerous research and service activities. Highlights of my Dickinson experience include Noel Potter showing me the best teaching outcrops in the area, science demonstrations with visiting high school students, and giving numerous public presentations on natural gas production from the Marcellus Shale. My thanks and appreciation go to everyone in the department, especially the students, for the enormous personal and professional benefits I have received from my time here. I look forward to continued friendships with this amazing program.

CLASS OF 1961**Richard Flory**

Retired in 2006 after 33 years in the Department of Geological and Environmental Sciences at California State University, Chico (the last six years as department chair). As a Professor Emeritus I was lucky to be able to continue teaching two courses in the department each semester until finally retiring fully after the fall 2010 semester. Now spend most of my time with our eight grandchildren and four great-grandchildren along with editing two journals and serving as secretary of the Western Collegiate Lacrosse League. Most of the credit for my career in geology and my love of teaching is due to the example set by the greatest instructor I ever had, Bill Vernon.

Watson Lohmann

I am thoroughly enjoying my retirement. We do a lot of travelling, but when I am not on the road, my time is consumed with repairing clocks and volunteering in the community. My hobby of fixing clocks has turned into a business which seems to have no end, but I do enjoy it.

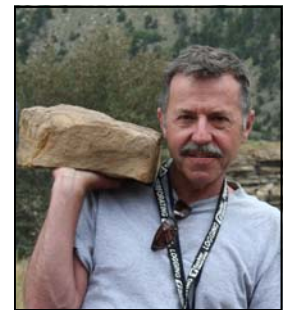
**Ronald Page**

I have been retired for 10 years after 38 years with the U.S. Department of Agriculture, Natural Resources Conservation Service. My volunteer work includes working maintenance at a golf course, one day a week at a rural development not-for-profit, Board of directors for a church related retreat and conference center, publishing a monthly newsletter for the local League of Woman Voters, baby sitting and having fun with grandkids, among other things.

CLASS OF 1964**Merritt Aldrich**

After spending 10 years in academia, 3 at Allegheny College as Assistant Professor and 7 at North Carolina State University as Associate Professor I left teaching and spent the last 25 years of my professional career at Los Alamos National Laboratory conducting basis research, geothermal investigations in the US and Central American, environmental geology studies at Los Alamos, and serving as Group Leader of the Earth and Environmental Sciences Group for seven years - a group with 19 PhD geoscientists, 5 post-docs, and 9 laboratory technicians.

Although I am currently retired and living on the Olympic Peninsula in Washington state I continue to enjoy geology. I'm currently working on an investigation of the structural development of the Olympic Mountains, an accretionary wedge. My wife Linda Harvey Aldrich (class of 1965) stays busy too with art, reading, and other interests.

CLASS OF 1969**Rudy Slingerland**

I continue to teach sedimentary geology at Penn State. Current research projects include: 1) A sequence stratigraphic analysis of the Marcellus Gas Shale in PA, funded by an industrial affiliates group; 2) Paleodepositional environments of a unique Paleocene fossil floral assemblage in Patagonia, funded by NSF; 3) a morphodynamics study of deltas in response to changes in sediment supply and accommodation space, funded by NSF; and 4) landscape evolution of the Shale Hills Critical Zone Observatory, funded by NSF. Stop by Penn State, UP if you're ever in this neck of Penn's Woods.

CLASS OF 1971



Herb Black

I got remarried on 7/7/7, so now have two kids and two step-kids! Am currently working full-time as the geothermal geologist for ONRR. On some weekends, I still practice optometry part-time (its a long story!) Living in Denver and still loving it here. If anyone is interested in s Federal career in geology, let me know and I will be happy to help out (no guarantees with the civil service, of course).



Molly Flower Eppig

Professionally, I have taught Earth Science since 1974, with time off for good behavior and child-rearing. Have taught pre-school, middle school, high school, and college. Next year will be my last year as a public school teacher. After 27 years of teaching, I will go on to? I have been an adjunct faculty member at Antioch New England and at Franklin Pierce College.

Our 2 sons will receive their PhD's this year: Andrew in particle physics and Christopher in biology. Our sons live in interesting places: see photo. Personally, I have visited and collected samples in many locales: San Andreas fault, Isle of Jersey, Prince Edward Island, New Mexico. Sand seems to be a large part of my collection. Does anyone share this interest? Is there any economic value in sand samples?

I keep in touch with the NH Geological Society. I have been writing an Earth Science text book aligned to the NH state curriculum. As yet unpublished. It would be super if there could be an annual field trip to coincide with Alumni Week-end. Field trips were always the best part of being a major!



Kingsley Greene

I will be retiring in June 2011, after 49+ years in librarianship (Yes, I worked in my 8th grade library in 1962!) Since 1974, I have been restoring furniture and intend to do it more actively beginning this summer, in collaboration with another practitioner who has been at it since the 1950's. He wants to begin to retire. Last September, I traveled to England with my father for a fortnight's holiday. (See attached picture.) We hope to spend more time at our summer place in the 1000 Islands.

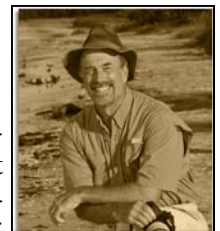
CLASS OF 1972

Randall Wallett

Left the mining industry after 35+ years and now doing consulting work for mining companies with EarthRes Group out of Pipersville, PA. Three daughters and one son. Two oldest daughters graduated from Dickinson, Elizabeth '05 and Sarah '05.

CLASS OF 1974

Geoff Coe



Moved to Florida in 2004, left Sun Microsystems after 9.5 years when it was acquired by Oracle Corporation. Had already started a part-time photography business to turn by 201(k) back into a 401(k), so upon loss of my job I simply turned Plan B into Plan A. I now exhibit avian photography extensively in Florida and (during the summer) along the Eastern seaboard. Visit my website at www.wildimagesfla.com

Susan Duffield

After working for Amoco for 7 years, I became a technical writer, working for Landmark Graphics, now Halliburton, for 7 years and Severn-Trent Systems (also 7 years). I've been working as an independent technical writer/editor for the past 7 years, enjoying working on a variety of projects for the oil & gas and computer industries.

CLASS OF 1975

**Sara Heller Baldwin**

I resigned from teaching at the College of Charleston in 1993 to raise my three babies, one of whom is now about to enter college himself. I am not sorry to say that raising my kids was much more rewarding than teaching, although far less lucrative. I do maintain a small internet business selling hand dyed yarn and crochet thread, Sara's Colorwave Yarns.

**Lisa Lepofsky Callahan**

After teaching high school chemistry and physics in Savannah, Georgia for 28 years, I decided it was time to retire, so I moved 20 miles east to Tybee Island three years ago with my husband and assorted pets. I enjoy a full schedule of gardening, traveling, working as a docent, riding my bicycle on the beach and volunteering in a number of Island activities.

CLASS OF 1976

Doug Blaze

I'm teaching law for almost twenty-five years now, first at Arizona State and at Tennessee for the past eighteen. In my third year as dean of the UT College of Law, but still managing to teach regularly. With two boys of college and near-college age, we get out to the nearby mountains as often as possible. Still check out the outcrops along the trail. It is amazing how much I miss geology during the middle of faculty meetings.

**Neil Gordon**

I have been at The Discovery Museums for the past year and a half. That has been a new professional challenge, growing a small, but well established non-profit in tough economic times. It has been a lot of fun however. My family seems to be growing up, with my oldest son graduating from Union College this June (electrical engineering -- let me know if you have a job for him!). I will miss my reunion at Dickinson as it is the same weekend as his graduation. My daughters are both at Hobart and William Smith Colleges. Still got that last 12 year old at home, so not to the empty nest stage yet (should hit "empty nest" and "retirement village" at about the same time).

CLASS OF 1977

**Bruce Geller**

I began my job at the Colorado School of Mines Geology Museum in August, 2007, after many years of consulting for the mineral industry, primarily on the ore microscope and conducting proprietary research, which went largely unpublished. Museum work is a challenge a minute, with ~19,000 annual visitors through our doors. Ours will be the first University geology museum in the world to host an Apollo 15 specimen on long-term loan from NASA. I enjoyed behind-the-scenes tours of the Royal Ontario Museum (Toronto) last March, and the Geological Museum of China (Beijing) last June. My newsletter photograph shows me and a post-doctorate fellow, Xu Zhigang, who spent two years at the University of Colorado in 1986+7, studying ore deposit structures, in my dissertation field area. I was thrilled to spend a day with him in Beijing last June, 23 years since our field work together. Our whole family hopes to visit our daughter Nina (D'son '12) in Beijing, where she has spent her junior year abroad. If you're passing through Colorado, be sure to phone me (303-237-2947), as I'm such a lousy e-mailer. I'd be happy to show you some local geology, or at least a fine museum!

CLASS OF 1978

Robert Cohen

Greetings to my fellow geo-mates. Fond memories include: classes taught by Noel Potter, Henry Hanson, Bill Vernon, and Jeff Niermitz; trips to Assateague Island, Key Largo, local outcrops (especially fossil hunting), inside Three Mile Island (before the accident), the Bethlehem Steel Steelton plant (before it closed), etc.; and the general conviviality of the Department. I've been doing hydrogeology (groundwater supply development/management and environmental work) for the same firm (TetraTechGEO, formerly known as GeoTrans Inc.) out of northern Virginia since obtaining a MS from PSU in 1982. Got married in 1985 to Karen Stierman, who I met at PSU. Our daughter Hannah is in graduate school (drug development/delivery) at the University of Wisconsin, and we are keeping busy trying to train on our 4th dog (Sawyer, a 1-yr old Golden Retriever). Having given up soccer at the age of 47, I have been a middle-of-the-pack triathlete since then. That's about it. Best wishes to all.



Philip Hover

Phil and Lora Hoffmann Hover (Dickinson, '78) still very happily married. Daughter Lindsey (17) looking at Ivy League, urban schools (not interested in Dickinson - oh, well!). Son Christopher (11) is basketball phenom. Call or write. Let us know if you'll be in Fairfield County, CT and we'll get together.



John Pohl

“The present is the key to the past” - well sort of. Located in Seattle, I am currently taking graduate courses with the Earth Space and Sciences and Biology/Paleontology Dept. at the University of Washington (last paper: “Paleo-climate and paleogeography of cretaceous vertebrates of Antarctica (unpublished)). In March 2011, I traveled to Sicily with a group of Dickinson Students as I had been there in 2008 studying “Evaporites, salt and sedimentation of Sicily”).

Also active with the Seattle Symphony, developing community web sites and running a small office building in Sheridan, Montana. Now for the past. After graduation, I moved to Geneva, Switzerland working for ACDA (US government). In 1980 moved to Seattle where in 1981 I married Susan (class of 80), worked in manufacturing, got an MBA, ran a small software company (selling manufacturing systems and developed an expert system) and raised 4 children (one graduated Dickinson 2006). Is it the “liberal” part of my education that is the link or just being all over the map? Finally, my current passions are to working with the local natural history museum, collecting information on Natural History museums (and National Parks), constantly looking to try to standardized and create searchable geological photo databases as well looking to develop a way to integrate collections at field sites, their curation, interpretative displays and ultimately tie this to the classroom and to other researchers laboratory. (Any help or discussion on this is appreciated).



CLASS OF 1981



Jenifer Hope Gustafson

I own and operate Hope Animal Medical Center in Athens, GA. It is a full service small animal hospital. I am also in the US Army reserves as a veterinarian. I recently returned from Afghanistan in December 2010. I am soon to start a position at Ft Campbell KY from May 2011 to March 2012. I have 3 wonderful children.

CLASS OF 1982

Joe Ford



I've been working in the Information Technology field for 20+ years; 10 of which have been spent overseas. I've been enjoying an assignment at NASA in the Hampton Roads area for the past several years. I still have a passion for Geology and Environmental Science.



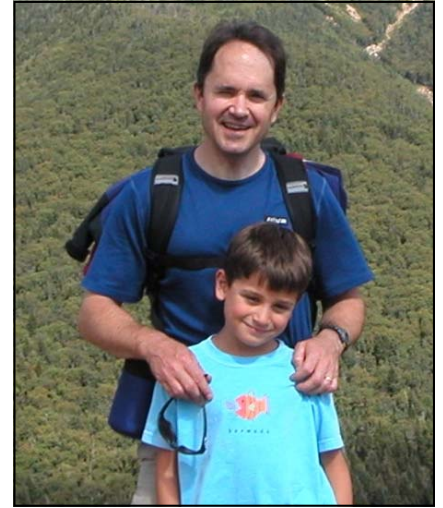
Betsy Strachan Suppes

Over the last 5 years I have done due diligence work for banks, oil companies and private individuals, provided professional training for Sylvan Energy LLC, and presented information as an expert witness. I still enjoy hunting for fossils and have led several "field trips" to a PA-aged fern fossil location.

CLASS OF 1983

David Ellis

Having switched from rocks to rock gardening, for the last 16 years I've been working at the American Horticultural Society, a non-profit based in Alexandria, Virginia. My wife, Janice, and I have two kids, Nora (12) and Daniel (10). I also have a 24-year old son, Iain, from my first marriage. Geology hasn't vanished from my life--I still have my rock hammer, geology text books, and lots of mineral specimens on display. And I still check out the rock formations when driving through a road cut.



John Kastrinos

I have been enjoying life and working in geotechnical engineering, hydrogeology, and environmental remediation for over 25 years in the Boston area. My wife of 20 years, Margot DeNoie, is also a Dickinson grad ('84) and together we're raising two boys - Nathaniel (5) and Ian (12). Jeff Hoffer ('84) and Ann Tihansky ('83) have been my only connections with my Dickinson Geology roots, and we've celebrated our reunions with some fine skiing in Jeff's neighborhood - the mountains of northern Vermont.

CLASS OF 1984

Jeff Hoffer

Still happily stuck in Vermont! I continue to provide groundwater supply development services to Vermont towns and ski areas. I am also managing sales for Marks Products, a manufacturer of borehole camera systems (GeoVISION).

**CLASS OF 1984
(cont'd)**



Nancy Jarvis Mueller

I am still living in Central, NY with my husband John & three children and working for the NYS Federation of Lake Associations, Inc. where I deal with just about every aspect of lake management. I also coordinate the state volunteer lake monitoring program in collaboration with the NYS DEC in Albany. For the last 2 years, I have served as a Dickinson College Alumni Admissions Volunteer for the area which has seen a large increase in prospective Dickinson students. The picture is from Emerald Lake in Yoho National Park, British Columbia. I was on a field trip with the North American Lake Management Society. The famed Wolcott Quarry & Burgess Shale is up on the mountain behind me.



CLASS OF 1985



Doug Bitterman

I have been living in southeastern Virginia for the last 10 years with my wife Cindy and two boys, Alex (14) and Matthew (10). For the past 22 years (yikes!) I have been working for the large engineering and construction firm CH2M HILL, primarily doing environmental restoration work in addition to managing offices in Virginia Beach and Newport News, Virginia. My biggest accomplishment of the past couple of years has been eating smarter and exercising daily, losing over 50 pounds to return to my Dickinson graduation weight, and feeling like I'm in my 20s again.

CLASS OF 1987

Tania Brice Coffin

Hi from the Monadnock region of NH. Two teaching jobs are keeping me busy. Geological Society of NH meetings let me catch up with Molly Flower Eppig (geology alum from the 70s) - both of us had Dr. V as our advisor! When not teaching I can be found on our farm with my husband, two kids and our Labrador retriever.

Charles Blanchard

I worked in environmental consulting [subsurface investigation and remediation] for seven years. When my daughter came along, I was presented with the opportunity to move into support IT and took the plunge. My love of geology [and yes, Bill Vernon, archaeology] endures but IT is what has paid the bills. I have worked in this field for many years, having worked for national and multinational corporations, consulted and ran a consultancy as a partner. I now run IT for a non-profit performing arts center on Manhattan's Upper West Side. I have been married almost twenty years and have three children.

CLASS OF 1989



Jennifer Van Pelt

Although I am not working in the geology field, I fondly remember geology classes, professors, and field trips from my days at Dickinson. For 18 years, I have been working as a writer, research analyst, and consultant in the healthcare field, and have had numerous articles published in healthcare trade magazines. My science classes at Dickinson provided me with the writing and research skills to be successful in my career. On a personal note, I recently got divorced, and am enjoying the single life in Berks County, PA with my dog Zeke. I also teach fitness classes part-time to stay in shape.

CLASS OF 1990

**Abigail Wood Pascual**

I spent 10 years as an environmental consultant and an environmental contractor, performing site assessments, underground storage tank cleaning and removal, soil gas surveys, groundwater sampling and well installation, and managing hazardous and non-hazardous wastes. For the past 12 years I've been working in the Scrap Tire Unit at the Maryland Department of the Environment (MDE), and I've been the Section Head of that unit for the past 4 years. We handle scrap tire licensing, stockpile cleanup, compliance and enforcement, and recycling projects for the entire state of Maryland. I've got a fantastic staff and I love working at MDE. Dickinson's emphasis on writing (how I hated it at the time!) and critical thinking was invaluable preparation for my entire career. I live in Columbia, MD with my husband, our three sons (ages 7, 4, and 1), and our big doofus of a dog, Mona Lisa.



CLASS OF 1991

**Gretchen Dockter
Hancock**

I'm continuing to enjoy working with GE's environmental, health & safety professionals worldwide on compliance, professional development, and energy & GHG reduction programs out of GE's Fairfield, Connecticut headquarters. I don't directly use my geology knowledge as often as I'd like to... but have found a scientific background invaluable in technical & business discussions on sustainability & remediation. Our daughter, Caroline, is 7 and has a penchant for collecting rocks of all shapes, kinds and sizes, which is easy given the ever-eroding rock outcroppings in our back yard.

CLASS OF 1992

**Rolf Ackermann**

No Update for the newsletter...just a picture!

**Steven Lev**

I'm currently finishing my 10th year at Towson University and I'm proud to say that my training at Dickinson has served me well. Towson is a comprehensive university which means that we are predominately undergraduates (~15,000 students) with some graduate programs (~6,000 students) and the focus is on undergraduate education and research. My undergraduate research experiences with Marcus Key and Jeff Niemitz were excellent models for the way I do things with my students. I constantly find myself thinking about my experience in the Geology program at Dickinson and I feel confident in saying Plus we had a blast on field trips. I'd like to put a plug in for TU's Environmental Science MS program and say that if there are any Dickinsonians past or present in the DC-Baltimore area looking for a good ENVS graduate program drop me a line. We have thesis and non-thesis opportunities and we have had several Dickinson Alums go through the program.

CLASS OF 1993



Andy Judd

Hello to all my long lost Geo buddies, hope all is well! I'm still living in NJ and have been working with CH2M HILL for 15 years as a hydrogeologist & project manager in Environmental Consulting. I got married to my wife Jennifer in 2006, and our very energetic and active son will turn 3 y.o. in June. We sold our perfectly good house two years ago and have been working on our fixer-upper (with tons of potential, gotta keep reminding myself!) in Chester, NJ ever since, doing most of the work ourselves. I still volunteer with the Search & Rescue Team (wilderness & cave rescue) as time allows. Life is good, but I still can't explain why W & E are reversed on a Brunton while the needle still points North!



CLASS OF 1994



**Juliane Bowman
Brown**

After Dickinson I embarked on a series of adventures involving work, play, and family. In 1999 I ended up in Colorado for graduate school and eventually (rejoined) started working for the USGS. I am currently (since 2010) the lead hydrologist on the Missouri River Basin SPARROW modeling project, which is part of the USGS National Water Quality Assessment Program -- an interesting and, at times, mind-boggling challenge. I am currently (since 2010) the lead hydrologist on the Missouri River Basin SPARROW modeling project, which is part of the USGS National Water Quality Assessment Program -- an interesting and, at times, mind-boggling challenge. However, perhaps as a result of too many hours behind a computer and too few days in the field and 'on-the-ground,' I am currently contemplating returning to school for a PhD or ??? to open up new opportunities and directions for me to work in the environmental field. We'll see what lies ahead.... I am extremely proud to be an alum of Dickinson College and the ES Department.

The programs and facilities at the College and the ES department that have developed since I graduated (and it was great then!) truly sound fantastic. Go Dickinson!

Trent Harrison

Living the life, teaching what I love. I have a great job teaching Oceanography (3 sections) Astronomy (3 sections) and Earth Science (1 section) at my hometown High School. Married to my lovely wife Cindy, and we have two wonderful children. Tyler (7), born on Earth Day 2004, and Morgan(5), the first girl in our family in 108 years. They are kept in place by our two Border Collies (Monty from Montana and Tess...not from Tennessee, but from here in CT) If anyone is every looking to give a guest lecture, or share in a field trip on the Sound, drop me a line

CLASS OF 1998



**Sarah Jablonski
Kelsey**

Sam and I will celebrate our 9th wedding anniversary this October. Our son Alex is 5 and will be starting Kindergarten and our daughter Norah will be 3 in September. I am spending as much time as I can with my wonderful family while working part-time doing GIS.

CLASS OF 1998 Cont'd



John Pusey

Following graduation, I have been employed at Earth Engineering Incorporated for the last 12 years. EEI is a geotechnical engineering consulting firm that is located 30 miles northwest of Philadelphia. I am currently the Assistant Director of Field Operations at the company. I specialize in geotechnical consulting, however I really enjoy investigating and providing recommendations for sinkholes. As for personnel life, I've been married since '05. I have 3 healthy and happy kids and 2 crazy dogs. Blake is 11, Cole is 2 and Brooke is a newborn. Life is great!!! I was lucky enough to be the resident geologist for the Philadelphia 76ers on their pet rock give away night back in 2003. Hopefully all my fellow classmates from '98 are doing great. I also hope Gene Yogodinski has added more stapled shirts to his wardrobe! (ha ha)



John Zbell



Since leaving the Limestone Walls, I have been employed by Leggette, Brashears & Graham, Inc. (LBG), a groundwater and environmental engineering consulting firm located in Shelton, CT. I began my career with LBG as an entry-level Hydrogeologist and am now a senior-level project manager responsible for a multi-million dollar investigation and remediation portfolio. I often have opportunities to apply the skills I learned at Dickinson, and not only think of how the curriculum shaped my knowledge of the subject matter, but how the relationships I fostered prepared me to become a good consultant. While at LBG, I have become a Certified Professional Geologist by the American Institute of Professional Geologists and a Licensed Environmental Professional by the Connecticut Department of Environmental Protection. Outside of my career, I have been married to my wonderful wife Jennifer for 8.5 years and have two beautiful children, a five year old daughter, Madison, and a two year old son, Connor. The kids very much enjoy the outdoors, which provides us ample opportunity for rock collecting and enjoying the diverse geologic landscape in Connecticut. I hope everyone is doing well and please don't hesitate to drop me a line or look me up if you are in the Nutmeg State.



Susan Herrgesell Zimmerman

I'm still in California after 4.5 years, now as a grown-up scientist having transitioned from post-doc in the fall of 2009, and it looks like I'm really building a niche here at CAMS. I'm certainly learning a whole lot about radiocarbon-dating lake sediments, and the collaborators and fieldwork are pretty exhilarating. Speaking of collaborators, I had the great fun to run into Jeff and one of his phenomenal current students at GSA 2010, and now count them among my collaborators, on legacy sediments in PA streams! Also in 2009, we welcomed Sarah Charlotte to our family, and all three girls are growing fast. Their smiles and laughter and kisses make everything good! Though we haven't found a way to move back east as we'd planned, we try to keep up with our Dickinson crowd (failing miserably in some cases!), and will always be glad to hear from you!



CLASS OF 1999

Fred Knight

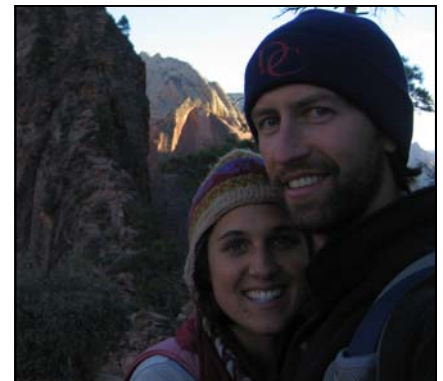
I am currently performing Coastal Floodplain Studies for FEMA and the National Flood Insurance Program. This involves performing coastal storm surge analysis and overland wave height and wave run up analysis. I have been with Dewberry for over 10 years and am very much enjoying it. Dickinson Geology prepared me for this type of work and am pleased to be using my degree in the real world. Additionally, my wife, Anne Glynn ('99) have an 18 month old son, Michael who is already very interested in geology (or at least digging in the dirt). We live in Rockville, MD and love the DC metro area.



**Suzy Bachman
Schechter**

Cheers from the UK! It's been a big year for me. I married a wonderful man, travelled for a month throughout South East Asia (see picture of me noshing on a tarantula) and we moved to London. We like it so far and are settling in fine. Our dog Emma likes it too. The laws are so relaxed and Emma can run free, ride public transportation and go to pubs! Before our move, I taught in NYC for 5 years, and loved it. Challenging and rewarding. Did a short stint in London before deciding to take a break. So, life is good. Hope everyone is doing great!

CLASS OF 2001



Jeremy Coerper

I have just recently relocated to Pittsboro, NC. Whoohoo Chatham County! After getting married in August to a beautiful woman and my best friend, Jan, we spent some time travelling this fall, and then made our way back East to get closer to family. Jan discovered a really cool Natural Chef program at a school in Pittsboro, which brought us here in January. I was fortunate enough to be hired by Habitat for Humanity again and am thoroughly enjoying being the new Construction Project Coordinator here. This area has grown on us a lot and it's feeling like it may be home, at least for a few years. Looking forward to seeing anyone who's coming to Alumni Weekend in June!



**Catherine Jamet
Powers**

My husband Peter and I moved to Denver last year and bought our first house. He's a research scientist for the USGS. I resigned my teaching position and am now at home full-time with out two children, Marion (2.5) and Avie (18M).

CLASS OF 2002**Katie Tamulonis**

I completed my Ph.D. in stratigraphy from Cornell University in January 2010. Since then, I've moved to Texas, began working as a geologist for Schlumberger, and married a great guy - Art Kasson, an isotope chemist now at Texas A&M. Art and I have been exploring Texas, traveling, and working a bit. Dickinson, and Dickinson's Earth Science Department in particular, has provided me a robust foundation to develop a professional career in geology (and the need to have fun while doing so!). Please ring me if you're in the Bayou City!

CLASS OF 2004**Talima Brown**

I originally moved to Massachusetts to work at Bristol community college with the Masspirg Water watch program, affiliated with AmeriCorps. I conducted water sampling, gave lectures in the classroom, and organized several water way cleanups.

One major one involving several city workers and the mayor. I currently work at a residential therapeutic boarding school as a house manager to a ten bed house of girls. Everyday is a new day filled with the unexpected and never a dull moment. I am working on pursuing my masters degree to become an adjustment counselor in the public school system. While my work no longer involves the sciences, I am grateful for my education when I was at Dickinson college. It was beyond challenging. Dickinson allowed me to be an individual, to be creative and often think "outside the box". Dickinson supported me and also challenged me to be aware of social and economic milieu, and to not settle for just what the school offered.

**CLASS OF 2006****Camille Carter**

It has been an eventful few years since the last update! Professionally, I transferred offices with AECOM Environment and moved from Long Beach, California to Portland, Oregon with my boyfriend Erik in the fall of 2010. I'm loving the Northwest and all of the outdoor adventure and volcanic geology it has to offer. In true Northwest style I adopted two huskies and took up winemaking.

I've had the opportunity to travel to Costa Rica and Mexico, and I will visit Italy later this year. However, it hasn't all been fun and games. In 2008 I was in an auto wreck in Mexico that left me with five broken leg bones, a crushed left foot, and some impressive scars. Luckily, just four months later I was walking again. Now, fourteen surgeries and almost three years since the accident I have only very minor lasting effects. I definitely dodged a theoretical bullet! I hope everyone is doing well and I'm looking forward to reading updates.

**Justin Dahlin**

Hello, When I first graduated from Dickinson College I worked for a small private environmental company called Whitestone Associates, Inc. in Chalfont, PA. I conducted and wrote Phase I & II ESA reports throughout the Eastern Regional area of the US for about a year and a half. Unfortunately, the company itself was rather small and the potential for growth was not available.

(cont'd on page 21)

**CLASS OF 2006
(Cont'd)**

I sought after a new career and ended up working as a Social Worker for a company called Educational Data Systems, Inc. (Workforce Development Program) through the funding of the Philadelphia City Welfare System. I have been with my company for over 3 years now and I have literally come to appreciate "Human Nature". I am surrounded by hundreds of people each day and manage orientations up to 50-80 full classrooms of welfare recipients each week. Even though my current career has not utilized my geology background I still find myself missing the great outdoors conducting soil and groundwater sampling as well as traveling to various job sites that contained a mystique environment. I loved the fact that I was an independent investigator trying to solve a mystery. However, the case itself was involving a particular environmental situation. I will always miss my time at Dickinson, but will always cherish the various lectures and field trips taken throughout Carlisle through all of my professors such as Noel Potter, Ben Edwards, Marcus Key, Pete Sak, and Beth O'Shea. I wish all of my former classmates and professors the best and I hope to be a part of future alumina events. Justin Dahlin '06"

CLASS OF 2007



Alexander Lloyd
 After graduating from Dickinson, I spent a year interning with the Student Conservation Association at the Sevilleta National Wildlife Refuge near Socorro, NM and the Hassayampa BLM Field Office based out of Phoenix, AZ. After the internships, I entered the Earth Science PhD program at Columbia University/Lamont Doherty Earth Observatory. I am currently in my third year and expect to graduate by Fall 2013. I am currently researching post-eruption re-equilibration in olivine-hosted melt inclusions. After completing this research, I hope to explore new techniques in estimating magma ascent rates during basaltic Strombolian eruptions. I currently live in the Morningside Heights area in New York City. Eileen Gessner ('07) and I recently got engaged and we are planning to be married next year.

CLASS OF 2010

Gwen Dunnington

I'm currently working in the River Management Program doing geomorphic assessments to map areas that are at risk from fluvial erosion. I also work closely with the Climate Change Team here on adaptation and education initiatives.

Words of Wisdom:

- Never lend a geologist money. They consider a million years ago to be recent.
- Geologists aren't perfect, they have their faults.
- Geologists don't dislike classical music, they just prefer rock.

DICKINSON COLLEGE

Department of Earth Sciences
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/academics/programs/earth-sciences/>
