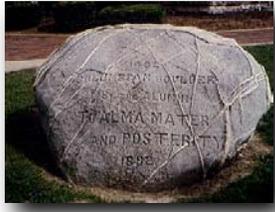


Department of Geosciences



The Boulder RUnDown - March 2010

Majors on the upswing...

We now have 33 Geoscience majors...
14 in Geology
17 in Environmental Geoscience
2 in Earth Science

Congratulations!

Last Spring, Dr. Scott Wilkerson received a 2009-2013 University Professor award (see <http://www.depauw.edu/news/index.asp?id=23323> for more details).

Rocks-R-Us...

Geoscience students again have visited several field areas this year: Colorado Plateau area, UT-AZ, Death Valley, CA, Champaign, IL, & New Zealand.

Check us out!

Visit our website: <http://www.depauw.edu/acad/geosciences/> for more Department of Geosciences information.

Geo-Majors Seeing the World

Several Geoscience majors have traveled to various corners of the world this past year to experience life outside of central Indiana. Here are a few stories...

Jessica Fenn '11 on a semester abroad in New Zealand: "For me, my study abroad experience in New Zealand was just as much about being free to explore the country as it was about studying, mainly because I was lucky enough to stay over 2 months after classes ended. Throughout the semester I tried to pick up as much geological info as I could from field books, class, and talking with geologists on the trail (the huts are known for their interesting characters!). But I do wish the "Tim and Jim show" had been with us for the semester, pointing out all the less obvious features. During the actual semester, I was able to manage my classes so that most of my



Jessica Fenn '11 & Maggie Baber '11 on the coast of New Zealand.

studying was packed into the week, leaving long weekends available for road trips, tramps, and getting to know people on campus. I casually joined a couple of campus clubs and did a few weekend trips with them. I feel like there was a really healthy balance of campus life, work, and adventure. It was also great for my family to be able to come visit over the holidays for 3 weeks...we celebrated New Year's in a hut on the Routeburn Track in Fiordland! I honestly had the time of my life and would do it over again in a second. If you get the chance to go abroad, DO IT."

Rochelle Coffman '11 on a semester abroad in India:

"My experience in India allowed me to learn in the classroom as well as from my everyday adventures in Delhi and around the country. While there, I mostly took a break from science courses, allowing me to study Hindi and cultural courses focused on India. The weekends allowed for train journeys to destinations like Jaisalmer and the Thar Desert, Shimla and the Himalayan foothills, and Amritsar. Since I stayed in the country a couple of months after my program ended, I was able to take a week-long trip to Dubai as well. I learned valuable information not only about my host country and the people there, but also about myself. I wanted my time there to be about a complete cultural immersion, which is why I chose to live with a host family. I'm already in the midst of planning a return trip!"



Lauren Werckenthien '10 (2nd from L) at the summit of Mt. Kilimanjaro.



Rochelle Coffman '11 at the Taj Mahal.

Lauren Werckenthien '10 on hiking Mt. Kilimanjaro during WT: "Over Winter Term 2010, I traveled with four other DePauw University students to Tanzania, Africa to climb Mount Kilimanjaro, the tallest mountain in Africa at 19,340 feet. To maximize our potential to summit, we took a longer route (the 8-day Lemosho route) that enabled us to have more time for our bodies to acclimatize. On this route we traveled through five different ecosystems. Our journey began driving through the bushland at the base of the mountain. Once at the entrance to Kilimanjaro National Park, we began our trek through the green, densely vegetated rainforest at just over 7,700 feet. Over the next six

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days, we gained elevation and went through the heath, alpine desert, and arctic ecosystems. On the night of our sixth day on the mountain, we woke up at 11PM and began our summit attempt (approximately 3 miles and 4,000 feet of elevation gain) at midnight. Led by our headlamps and guides, six and a half hours later we reached the summit, which was a small rounded area with a wooden summit sign. The sun had just risen, and we were completely above the clouds and the ground beneath our feet was covered by a light dusting of snow. In the early morning light, we could now see the few remaining glaciers near the summit. We were only at the summit for 15 minutes; it was extremely windy and near 0 degrees Fahrenheit (in contrast, 16,000 feet below in town, it was 80 degrees). It took us two days to descend to the Mweka Gate, where we signed out in the log book after a successful summit. My Kilimanjaro adventure was a life-changing and unforgettable experience."

Message from the Chair

Welcome to our annual Department of Geosciences newsletter! 2010 is certainly turning into the year of great earthquakes. As I write this, I am simultaneously keeping track of information coming in from the Maule, Chile earthquake (8.8 Mw) that occurred early this morning. In addition, last week I gave a panel-session report on the mechanics of the Haiti earthquake and the future of earthquakes in this region for the Prindle Ethics Institute as part of a session on the Ethics of Aid. As geoscientists, we (of course) find the physical aspects of earthquakes fascinating, but the human toll is unmeasurably heart-wrenching. Please consider taking a moment and reflecting on the huge number of people that have died and that have been affected by these two great earthquakes.

This past year has again been a busy one for the Department. We have seen the number of student majors increase from the mid-20's in early 2009 to 33 as of this week! Of the 33, we have 17 Environmental Geoscience majors, 14 Geology majors, and 2 Earth Science majors with a fairly even gender balance of 16 women and 17 men. This year we will graduate six seniors. Of these seniors, Lauren Werckenthien '10 has already been accepted to the Colorado School of Mines graduate program in Geology, and Jay Wellik '10 was just accepted to Michigan Technological University's Geology graduate program (congratulations Lauren & Jay!). Others are still waiting for news on their applications, as it is still early in the decision process. We've also received word that Lauren Schaefer '09 has been accepted to the University of Indiana's School of Public and Environmental Affairs (congratulations Lauren!).

As always, field trips and field experiences play a large role in our program, and 2009-2010 was again a very busy year for travel. Fred and Scott took students on a three-week May Term trip to the southwestern

United States for a tour of the geology of the Colorado Plateau and surrounding regions. In addition, Tim and I just returned from a 2010 Winter Term trip to New Zealand. This year, because the national meeting



Students indicating offset of the Wellington Fault on the NZ field trip.

of the Geological Society of America was held in Portland, Oregon over the Fall Break period in October, we did not run a trip. However, in 2010, we hope to conduct a Fall Break trip to the northern section of the Rio Grande Rift in southern Colorado. As always, a very sincere thank you to all of you who have provided financial support to our field program!

Our majors were busy again this past year. Lauren Werckenthien '10 and Miles Reed '10 participated in Keck Summer Research projects in Oregon and Wisconsin respectively. Lauren and Miles will be presenting results of their research at the Keck Research Symposium this April in Houston, Texas. Jay Wellik '10 and Paul Mooney (Chemistry, '11) accompanied Tim and me to China for six weeks last summer to do research on the sedimentology and tectonics of a region northeast of Beijing. Three of our most recent alumni, Allison Barnes '09, Ben Gibson '09, and Lauren Schaefer '09, worked with the Geological Society of America's Geocorps program last summer in Craters of the Moon National Monument, Sequoia & Kings Canyon National Park, and Mt. Rainier National Park, respectively. And, lastly, former students Bill Alward '08, Heather Byars '06, and Phil Mooney '07 did an excellent job presenting their graduate research at the national GSA meeting this fall in Portland – congratulations!

Alumni were certainly no strangers to the Department this past year either as Bill Alward '08, Allison Barnes '09, Deanna (Dee Dee) Shaw '08, and Katy (Adank) Ward '05 all returned to Greencastle and gave Departmental seminars on their work/research. Thanks again to all of you...it was great to see you and hear about your activities (and it was a wonderful experience for the current majors)! To everyone else, if you think that you might be passing through central Indiana, let us know as we'd really like to hear what you've been doing. And, of course, to all of you that have been in contact with us this past year – keep it up – we really enjoy hearing from you (a special thanks to Charles Bates '39 and Jim Puckett '67 for keeping us up-to-date on their status and on the contributions of many of our earlier alumni). And last, but certainly not least, a hearty thank you to Scott Wilkerson for consistently producing such a wonderful newsletter and web site that keeps us all up-to-date!

Here's wishing you all a wonderful year. Stay in touch.

-Jim (jmills@depauw.edu)

Department Scholarship Awards

Ernest R. "Rock" Smith Memorial Scholarship

Miles B. Reed '10 & John J. Wellik '10

H. Richard Gault Memorial Scholarship

Thomas Good '10

Charles L. Bieber Memorial Fund

Margaret Baber '11 & Jessica Fenn '11
Andrew Krein '11, Julia Mathews '11, & Natalie Mathews '11

Charles M. & Frances Wylie-Condit Science Scholarship

Christopher Alonzi '11 & Chloe Lawson '12

The Smith, Gault, and Bieber funds all are scholarships. In the awards process, the Department names students to receive scholarships from these funds (and from the Wylie-Condit fund), and the University determines the award amount for each student, using that money to fund part of the recipient's financial aid package from the University.

Income from the James A. Madison Fund for Research and the F. Michael and Dorothy W. Wahl Endowed Fund for Geosciences Field Trips is used for research and field trips at the Department's discretion in consultation with the Vice President for Academic Affairs.

Tim Cope

Tenure...promotion...fatherhood...all are highly recommended. I've been adjusting quite well to the new state of my Universe, and have grown a beard to celebrate my debut as a distinguished Associate Professor (I have even tried tucking in my shirt from time to time). As is typical whenever I attempt to appear respectable, the beard only serves to make me look like an unshaven, aging hippie (at least it's an honest reflection of my personality).

Kate and I are expecting our second child in May 2010 (a girl, we've just discovered). The timing is perfect: I have no plans for fieldwork next summer, and next year I will be on sabbatical (full leave during the Fall semester with only one course in the Spring). Zoe is now 21 months old, and already she has a huge vocabulary, knows how to count (well, sort of), and is on her way to knowing the alphabet, too! Smart girl. She's about to reach the ornery age of two, and is giving Mom and Dad a few headaches along with an infinite supply of joy. We are both enjoying parenthood and are looking forward to our second...got any name suggestions?



Zoe with Mom and Dad at the Belgradochik Rocks, Bulgaria. Zoe is getting another geology lesson!

mapping the terrain and dealing with the elements. I've finally gotten a DePauw colleague to come to China with me. In summer 2009, Jim Mills accompanied two DePauw students (Jay Wellik '10 and Paul Mooney '11) and me to Chengde County northeast of Beijing. It was one of the most productive field seasons I've ever had. Jim is now working on chemical analysis of the volcanic samples that we collected, Jay has turned an isotopic analysis of paleosols for paleoaltitude into a senior thesis, and I (working with a Chinese graduate student) covered enough ground in my mapping project of the region to turn out a new publication that I plan to finish this summer. Jay and I are both hoping that his isotopic data can form the basis for a student-authored publication, and Jim and I are anxious to see what new information is yielded from the chemistry of our volcanic samples. It's an interesting area...essentially a Mesozoic analog to the modern Tibetan plateau that records uplift, collapse, and volcanism related to continent-continent collision and paleo-Pacific subduction.

Lastly, Jim and I also led a Winter Term to New Zealand in January 2010 (see <http://www.depauw.edu/acad/articles/?id=24905> for details). I'll try to include some stories and pictures in the next newsletter.

Hope you all are well. Drop me a line sometime, or come out to visit us next time we're in the field. We'll look for you between Death Valley and Pahrump during Spring Break 2012. Just look for the solitary camplights out in the middle of nowhere- that'll be us!!

-Tim (tcope@depauw.edu)

Do you know about any geoscience internship opportunities? Please let us know, and we'll pass them along to Departmental majors.



Jay Wellik '10 (right) and Paul Mooney '11 (second from left) at the Great Wall Simatai with their driver Mr. Xu (left) and Deng Hongdan, an undergraduate at China University of Geosciences, Beijing.

Last Spring I ran the Field Experiences course to Death Valley again. Eight students this time, and we camped out in the desert again with a pair of additional students that came along as camp cooks. Although the idea of Death Valley in late March conjures up thoughts of pleasant warmth, I can assure you that we didn't have that luxury. It was cold! A series of winter storms blew south from the Gulf of Alaska and made it all the way to our camp while we were there, bringing nighttime temperatures down into the 30s and 40s and kicking up high winds and dust storms. Several of our tents were eviscerated by the wind, and most of our food had that gritty taste that comes from cooking outdoors during a dust storm. Nevertheless, we had a great time. Beth Drewes ('08) and Chris Myrvold ('07) came to visit us for an evening, and it was good to catch up with both of them. The students all did an excellent job



An impromptu lecture of the geology of the Grand Canyon...on the back of a business card!

Jeane Pope

Greetings from the Pacific Northwest! I am on sabbatical this year and decided to take advantage of the time away from teaching by moving to Portland. Neither my husband Jason nor I had spent much time here before, and we were both interested in living in a "green" city. Certainly that color description fits! Not only does Portland have some of the best environmental practices (e.g., highest recycling rates in the country, great public transportation, extensive bike lanes, and a general "eco-consciousness"), there is so much rain here that EVERYTHING is green. We see moss and ferns everywhere... on the trees, the sidewalks, the stone walls, and more. This weekend, we even saw moss growing on a parked car! Fortunately, the rain mostly comes by way of drizzle and doesn't prevent us from enjoying the city and surrounding countryside. We only need to go about 50 miles to the west to reach ocean and 50 miles to the east to reach the mountains (specifically, Mt. Hood and the other nearby volcanoes of the Cascade Range). The drives to each are beautiful and geologically interesting, especially the drive through the Columbia River Gorge. During the late Pleistocene, Glacial Lake Missoula drained in huge floods that scoured through

Miocene basalt flows, forming the Gorge and the modern Columbia River. Within the Gorge, there are ample waterfalls and beautiful ferns, mosses, and lichens spotting the basalt cliff walls. It

makes for spectacular hiking. I've really enjoyed learning the story of the Columbia River, and for those of you interested in learning more, I'd encourage you to check out "*Cataclysms on the Columbia*" by John Allen, Marjorie Burns, and Scott Burns.

Of course, my time here hasn't been all play; I also am working on several sabbatical projects. A good bit of my time over the summer and early fall was spent working on a chapter for a book on coal mine remediation in Indiana. Focusing on efflorescent sulfate salts (those of you from Hydro and Geochem will remember the funny little minerals that form in acid mine drainage environments), this manuscript has been a nice mix of work from my Ph.D. and my research at DePauw. I also am developing a new course: Environmental Geology. Although the name will stay the same, this new course will be taught at the 200-level and will provide majors and minors with greater depth and more content, including environmental topics in hazards & risk assessment, natural resource development, and waste & pollution.

My biggest project on sabbatical, though, is the development of a new research direction. For several years now, I've wanted to offer students more opportunities to study Indiana water quality. This year I've been reading papers and learning methods to study agricultural runoff, one of the largest non-point source contributors to water pollution in the U.S. and certainly a big problem in Indiana. I plan on making this the focus of my research for the next several

years, and will have class projects (for Hydro, Geochem, and perhaps the new Environmental Geology) investigating sites near DePauw.

As always, I've enjoyed the visits and emails from many of you. It's always fun to hear what people are doing, so keep up the communication!

-Jeane (jpope@depauw.edu)



Jeane with Mt. St. Helens in the background.



Jeane and Jason on the Oregon coast near the mouth of the Columbia River.



Lauren Schaefer '09 working as a summer intern at Mt. Rainier NP, WA.



P.J. Della Chiesa '08 on a trip through the Sideling Hill, MD syncline.

Fred Soster

Hi all! It has been another busy year for teaching and research. The highlight of the past year was definitely the May Term (Winter Term in May) trip that Scott and I led to the Colorado Plateau to study "Two Billion Years of Earth History Along the Colorado River Corridor" with 17 students. After two days of driving, we started off in Moab, UT, where we hiked in Canyonlands and Arches National Parks. We then did a one-day whitewater rafting trip through Cataract Canyon, encountering Class V rapids along the way! Outfitted in full wetsuits and rain gear for protection from the frigid water, and wearing PFDs, we rode a type of raft called a 'J-Rig', which consists of several rubber tubes lashed together with lines. You ride by straddling one of the tubes as if you were riding a horse. You hang on (for dear life) to safety lines to keep from getting thrown off the raft. Navigation is accomplished by a small outboard motor strapped onto the stern. Scott and I learned that we would be riding this type of raft on the biggest whitewater in North America a mere two days before the scheduled trip when we by chance stopped by the outfitter's office to get a few questions answered. Upon seeing the rafts in the yard, we stared in disbelief at these apparently feeble watercraft with

considerable trepidation for our safety (and the safety of our students, of course). The idea to cancel the trip flashed through my mind several times; however, we were continually assured by the young lady at the counter that these were stable rafts, that they were specifically designed for Cataract Canyon, that they had been used for years (and they looked it) with no loss of life, and that "you'll be fine."

Much to our relief, once on the river, the rafts proved to be extremely safe and stable. We managed to navigate Cataract Canyon with nobody going into the river and actually had a blast. The students took turns riding in the 'buckaroo' seat...the front, middle tube that provided the wildest ride. I was content to sit in the 'princess' seat...the farthest aft that provided the tamest ride. We were picked up that evening, intact, at Hite, UT by four Cessnas and flown back to Moab along the river that we had just rafted. The scenery from above was spectacular, especially the Grabens and Dead Horse Point areas of Canyonlands. Upon leaving Moab, we headed south through Monument Valley to Page, AZ and Glen Canyon Dam. After a tour of the dam, we made our way to the South Rim of the Grand Canyon for more hiking on the Bright Angel and Kaibab Trails. Some of the group made it down to Plateau Point and back out in one day. We finally headed home after two weeks, doing a couple of quick stops along the way at Sunset Crater and Petrified Forest. All of the geology majors that went on the trip received significant financial support from the Wahl Endowed Fund for Geosciences Field Trips. Thanks Michael...it was a great trip!



Hike to Corona Arch and Bowtie Arch (in the distance).



Rafting Class V rapids on a J-Rig in the Cataract Canyon segment of the Colorado River.



Students at the Windows section in Arches NP.

On the research front, I continue to work on the hypoxia problem in Lake Erie. We found that mayflies that burrow into the lake floor muds have increased the sediment oxygen demand, thus contributing to low oxygen concentrations in the water column. My co-authors and I just published these findings in the *Journal of Great Lakes Research* in 2009. I also spent considerable time in January helping to write a major grant proposal to the Environmental Protection

Agency's Great Lakes Restoration Initiative to support more research on Lake Erie. If successful, some of the grant will provide funding for DePauw undergraduate students to conduct research on Lake Erie during the summer over the next two years.

There's not much new on the family front. Jennifer did some traveling during the past year with President Casey as he continues to meet alumni around the country. Erica is a sophomore at Indiana University, where she is majoring in human biology and doing quite well academically. Frederick is a freshman at Greencastle High School and also is doing well academically. He soon will be the tallest person in our family, one of two facts he reminds me of daily. The other is that he starts learning to drive this year. The boat is in winter storage. But not for much longer!

In addition to alumni that Jim mentioned in his note, I ran into Tim & Sally Davis '84 and Kurt Quinn '84 on alumni reunion weekend last year. Tim and Kurt were senior geology majors when I started teaching at DePauw. We spent some time swapping stories (and drinking beer of course). It was good to see them. I also ran into Dave Atteberry '99 at the Walden Inn during the same weekend. I saw Garry Stevenson '86 last fall when he brought his son for a campus visit. He had time for a quick tour of Julian before heading over to the Admissions office.

Please let us know if you will be visiting campus, whether you are just passing through or returning for a class reunion. We enjoy seeing our former students and hearing about how your careers have unfolded. A lot has changed at DePauw in recent years, and we will be happy to show you around. Hope you all had a good year!

- Fred (fsoster@depauw.edu)

Scott Wilkerson

Greetings from Greencastle! As always, I hope that this message finds you and yours happy, healthy, and enjoying life.

As I've previously mentioned in the past couple of newsletters, my recent professional work has focused on creating Google™ Earth exercises/activities to enhance various geoscience courses (see <http://www.depauw.edu/news/index.asp?id=23869> for additional details). This work culminated this year as I used most of my Spring 2009 sabbatical to completely rewrite the Geotours Workbook (with a great deal of help from Beth). The activities were enhanced with dozens of map overlays,

several time animations of both map overlays and historical imagery, embedded video clips, virtual outcrops with zoomable photos, and many new/ revised content-rich placemarks. In addition, Beth and I plan on offering a Google™ Earth/GPS

workshop for local school teachers during Summer 2010 to help them develop activities for their courses.

On other fronts, Fred and I had a great time co-leading our May Term trip to the Colorado Plateau area. Fred describes this trip in his note, so I'll just let the pictures convey the great time that we had! Fall 2009 was a busy one for me as well as I taught 2 courses, including Map Interpretation, where we teamed up with an old friend (David Grimley, Illinois State Geological Survey) to



May Term group eating lunch under Corona Arch, a large arch outside Arches NP, UT.



Whitewater rafting down the Colorado River's Cataract Canyon (followed by a return flight over Canyonlands).



Zach (12) & Ben (8) enjoying a sunset at home.

look at glacial landforms and soils near Champaign, IL. I also co-wrote an NSF grant proposal to work on a fold belt in Mexico starting Summer 2011 (and I hope to conduct some research on the Hudson Valley fold-thrust belt in NY during Summer 2010 with Melissa Penfold '12).

On the family side of things, everyone is doing great. The boys remain active in various school activities, including band/music performances, various bowl teams, soccer, and basketball (I'm assistant coach on Zach's 6th grade Indy Hoops

basketball team). This past summer we traveled back East to visit Washington, D.C. and several Civil War battlefields (including Gettysburg). Our favorite parts of the Smithsonian were the Natural History and Air/Space Museums... imagine that! We also were able to get our 'lithic fix' by visiting the Falls of the Potomac, Sideling Hill syncline (and some other areas that DPU has visited on past geologic field trips), and even saw first-hand how geology impacted the Battle of Gettysburg. The boys were sponges again to learn all they could. They also have become avid flattened souvenir penny collectors!

Please take care and keep in touch.

-Scott (mwilke@depauw.edu)



Wilkerson family at the Falls of the Potomac outside Washington, D.C., Summer 2009.

Please email Scott (mwilke@depauw.edu) with information and/or pictures for the Alumni News section in the next newsletter and/or for inclusion on the website!

Alumni News

The Society of Exploration Geophysicists have published two very interesting biographies on **Paul L. Lyons '33** (http://www.mssu.edu/seg-vm/bio_paul_l_lyons.html) & **Charles C. Bates '39** (http://www.mssu.edu/seg-vm/bio_charles_c_bates.html). These gentlemen distinguished themselves (and this Department) with their remarkable careers. Reading these biographies sets a high standard for Department graduates and faculty.

Lt. Col. Michael Kasales '87 has distinguished himself in a different manner...by serving in our armed forces. Last February, Mike deployed on a year-long mission to northern Iraq (Diyala province). See <http://www.time.com/time/world/article/0,8599,1874451,00.html> for more information.

Tony Gibson '99 has branched out from the family oil business (Murvin Oil Company in Olney, IL) to open White Squirrel Studio photographic gallery. Tony has had several photos published in outdoor publications like *Field & Stream*. Visit his website at <http://www.anthonygibson.com>

Julie (Kasl) Wood '99 enjoys teaching 9th grade earth/space science in Lexington, KY, with her last group of kids being "*...the best bunch that I have had.*"

Nic Brissette '00 (Gunn Oil Company in Wichita Falls, TX) has been exploring for pinnacle reefs associated with faulted basement highs in West Texas (including shooting some new seismic data!). He says that his company uses Google™ Earth "*...to determine rig location set up, which reduces our "foot print"...*"

Jennifer (Berry) Phillippe '01 happily writes that she has passed the Indiana Licensed Professional Geologist (LPG) exam. She reports "*It was pretty tough. Although I'd have to say that you guys did a great job with my fundamentals because I scored higher on that than on the practice of geology section.*" Thanks, Jen! Jen continues to work at Astbury Environmental Engineering, Inc. in Indianapolis.

Philip Rykwalder '01 currently lives in Nashville, TN, where he is a small business owner. He remains very active in the field of caving, a subject that he has published roughly 25 articles on over the past 5-6 years. He says, "*In the past few years I've been employed as a karst hydrologist, a state geologist for Texas, a professional cave explorer and various other caving related posts.*" Phil plans on coming to DePauw during March 2010 to give some presentations on caving.

Chris Amidon '02 has headed south to assume a permanent National Park Service position at Carlsbad Caverns National Park, NM. He has been joined there by his wife Erin and his daughter Tess (who was born in late May).



Tess Amidon...a budding young geologist?

Katy (Adank) Ward '05 and husband James Woods visited DPU during the spring semester and gave talks related to their hydrogeological work. She presently is a geologist working for the Kentucky Division of Water. James just accepted a tenure-track position at Angelo State University in TX, so they both will be heading west in AY2010-2011. Katy just passed the first half of the PG exam; she says "*Thanks everyone for providing a good foundation in all aspects of geology, and the ability to study for extensive exams (especially in a limited amount of time)*".

Dannena Bowman '05 has been hired by the EPA and has been recently working on the fly ash spill recovery in Kingston, TN (see <http://www.epakingstontva.com/> for more information).

Heather Byars '06 has completed her master's thesis at the University of Tennessee-Knoxville with Bob Hatcher. She now lives in Houston, TX, where she works for Southwestern Energy Co.



Leigh Hertel...a future DePauw athlete?

Audrey Gehlhausen '06 checked in with the Department in early December and described many of her adventures as she travels the country and works (often leading raft trips) in many scenic areas (e.g., Rogue River area, OR; Frank Church Wilderness, ID; etc.).

Dustin Hertel '06 (Overhead Door Co., Ft. Wayne, IN) wrote to share that he and his wife Michele are the proud parents of a daughter (Leigh) and a Chihuahua/Dachshund puppy (Tank).

Sara Smaltz '06 has now been working at EnCana Petroleum (Denver, CO) for a little over a year now. She writes that she has purchased a house and has planted her first garden.

Bill Alward '08 is wrapping up his master's thesis at Mizzou before he heads to Houston, TX to work for Exxon Mobil. Bill stopped in the Department around Thanksgiving to give an interesting and far-ranging talk about his thesis work, graduate school, and job searches.

David Patrick Joseph (P.J.) Della Chiesa '08 writes that he has been promoted at Directional Drilling Contractors, LLC in Buckhannon, WV where he works. He says, "*I am training/working wireline jobs but I will begin cross-training into MWD (Measurement While Drilling)...very cool technology.*"

Beth Drewes '08 presented a poster at Fall AGU on her M.S. research at UC-Santa Cruz using He-dating of zircons to "*...find the time of uplift for a number of the Fiji plutons.*" She's also recently traveled to India, will be TA-ing mineralogy, and hopes to finish this fall.

Deanna Shaw '08 continues her work as an international geologist with Marston & Marston, Inc. in St. Louis, MO. She writes "*My GIS and computer science skills are really paying off here and have definitely given me an edge on some of the older geologists!*"

Andrea Huska '09 is a TA in the geology graduate program at Brooklyn College, NY. She writes, "*...I am having a blast, love teaching, and am doing well in my classes.*"

Photo Gallery



Heather Byars '06 standing on a fold hinge in her M.S. field area in the Inner Piedmont of NC.



Katy Adank '05 and James Ward's wedding party. Audrey Gehlhausen '06 was the maid of honor.



Dee Dee Shaw '08 on site at a coal mine in Indonesia.



Lt. Col. Michael Kasales '87 saluting during the deployment ceremony before heading to northern Iraq.

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