Greetings from the Chair

Hello everyone! Hard to believe 2010 is already here! Hope 2009 was a good for you.

The department has been a busy place this year. Like all other universities, we’ve had to deal with looming budget deficits. The Department is actually in a fairly good position because we joined with the Department of Geography and The Department of the Environment and Sustainability to form the School of Earth, Environment and Society a few years ago. As a result of the budget issues, as we lose faculty they are not replaced. This means those of us that remain have to teach larger and larger sections of the introductory classes.

And we are losing faculty. After more than 40 years in the department, Don Steinker is retiring at the end of the spring semester, 2010. He plans to play golf and do research on the little fossils he loves. Once again, the department lost Joe Frizado, at least temporarily. He has again moved to the College of Technology, where he is serving a 2-year term as Interim Dean. We all hope he survives the experience and returns to the Department of Geology in one piece.

I also have sad news to report. Dr. Joseph Mancuso, or Doc Joe as we all knew him, passed away in April. He had a positive impact on the lives of so many of our students over his career, both graduate and undergraduate, and will be sorely missed by everyone. His legacy lives on in the Department through the Mancuso Field Studies Scholarship, which is given to students to help offset the cost of field camp and other field work students may do.

Speaking of field camp, it is 60th anniversary of the Department offering the summer course. Many of you no doubt have fond (and maybe not so fond?) memories of your field camp experience. Although the faculty and technology have changed over the years, students still have to go out, look at the rocks and make maps in different geologic settings. Do you have any special memories and/or photographs you would...
Greetings from the Chair  ...continued from page 1

like to share? If so, send them to me; the department will compile a volume of your stories and make it available to friends and alums.

Professionally, things are going well. I taught an environmental geochemistry course for graduate students last spring. The “highlight” of the course was trying to collect soil samples from frozen ground. I have two graduate students this year. Mitra Khadka is looking at sediment contamination along a small part the Ottawa River in Wildwood Metro Park in Toledo. He is trying to determine if different geomorphic units have more or less contamination than other units. Asako Kawatsura collected soil samples from an agricultural soil that is being converted to a native prairie to determine what metal contamination might be found in agricultural soils that have not had applications of sewage sludge.

My personal life continues to go well. I took some time off to visit my family in Colorado and see some real rocks! I also took some classes to learn to better use my spinning wheels and make nicer yarn for my knitting and weaving.

I hope that you had a good year, and as always, stop by if you are in the area. Our annual Spring Banquet will be held on April 7th. It would be a great excuse for you to make a visit and let us know what you are up to!

Sheila Roberts
Chair/Associate Professor
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Faculty Notes

NIKKI ELKINS
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Hi. The past year has been one of many changes here at BGSU. GeoJourney continues to flourish and the 2009 summer field season was a great success – and we have several new geology majors and minors as a result! For 2010, I hope to offer a summer and a fall GeoJourney – it’s a great way to get students excited about the spectacular geology that our nation has to offer. This past fall, I attended two international conferences in outdoor and experiential education; I am finding these other disciplines have much in common with the long tradition of field-based experiences in the geosciences. In addition to directing GeoJourney, I am teaching a new course this semester in forensic archaeology; this has been a great way for me to stay involved with my archaeological roots. I also continue to teach introductory geology and a field-based service learning course at Wintergarden Nature Preserve through the Chapman Learning Community. BaseCampus, the BGSU student organization comprised of GeoJourney alumni, also keeps me busy as their faculty sponsor – we are involved in numerous service projects, including Adopt-A-Highway along a stretch of I-75 – look for our sign along the interstate! I am continually impressed with the motivation and dedication of students I have had the pleasure of working with on GeoJourney and elsewhere here at BGSU. My passion remains getting students involved in hands-on experiential learning opportunities combined with travel to interesting places, whether local or further afield.

JIM EVANS
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Greetings! I am continuing to work on the sedimentary section in southwestern Colorado. Colleen O’Shea finished a thesis about the Cretaceous lahars and volcanic disruptions of fluvial sedimentation in the McDermott Member of the Animas Formation. Senthil Yuvaraj is finishing a study of the prograding clastic shoreline sequences in the Cretaceous Pictured Cliffs Sandstone. JT Maurer is starting a study on the very strange Ignacio Formation, what I think is a Devonian incised valley sequence (fluvial and estuarine rocks). And I am starting to look at hardgrounds in the Hermosa Formation. Closer to home, there is a lot of interest in historical changes to rivers and what exactly one means about “restoring” a river, meaning what is the baseline for comparison. Laura Webb is finishing a study of how the Ottawa River changed from a stream meandering through riparian wetlands two centuries ago to its present form, entrenched 2.5-m below its floodplain. Allan Adams is looking at how the Huron River responded to recent change, given how it is partly bedrock controlled. The bedrock controlled reaches “pin” the river in place and there are numerous channel cut-offs in the intervening alluvial reaches. Finally, Bharat Banjade is starting a study on the subsurface facies in the Cambrian Kerbel Formation in SW Ohio.

I am helping edit a book about river restoration (Reviews in Engineering Geology, published by GSA). I continue to work on the AGU Committee on Public Policy, GSA Research Grants Committee, help AAAS select Congressional Science Fellows, and do peer reviews for the US-EPA. And I am increasingly drawn into court cases as a technical witness, such as a recent dispute between two Ohio counties about the value of ditching streams, cutting leaning trees, and removing log jams. Finally, one daughter has graduated from college and the other is departing to start her college career, so the empty nest scenario has arrived. I appreciate hearing from anybody, especially former students, about how you are doing these days.

JOHN FARVER
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JOSEPH FRIZADO
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Joe Frizado is currently serving as Interim Dean of the College of Technology, a job that definitely keeps him busy!
I got tenure last year, so I guess I’ll stick around these frozen cornfields for a little while longer. I helped put together a couple of multi-institutional, large proposals last year. One related to the impact of tourists in the Karst areas of the Yucatán, and the other one on the restoration of a section of the Oak Openings Region here in Northwest Ohio. In both of them, my work is related to the flow and contamination of the groundwater. I continue to do some work in the Sandusky watershed. One of my master’s students did a very interesting work relating fish diversity to variability in suspended sediment and flow in the Sandusky River. Another one of my students is currently putting together a model to explore the spatial distribution of sediment delivery in the Sandusky watershed. With the ODNR grant we were able to successfully convert five campus lawnmowers to run on used cafeteria’s oil. But then, a new cafeteria operator came on board and we had to double the used oil filtration as they increased the amount of fried foods in the cafeterias. In the home front, my son Julián is almost two years old and is starting to say a couple words in Spanish. I hope all is well.

ENRIQUE GOMEZDELCAampo
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Dick Hoare is slowing down after a number of physical ailments. I am still working on chitons, trying to cut thin sections to determine the canal system in one of the Pennsylvanian species here in Ohio. Tedious work! A paper on some Permian chitons from Japan has recently been published. Hope to see some of you at the awards banquet in April.

PETER GORSEVSKI
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The past year was busy, interesting, and has gone by quickly. Besides my refining efforts to improve my spatial courses this past year, I taught an undergraduate course in Quantitative Methods in Geology focused on basic statistical principles and a BGeX course in Weather and Climate. Both were challenging ….I also went to Colorado to learn about geospatial teaching components of our field camp and I truly enjoyed it. Long term, I’d like to contribute some more to this great experience for students’ development, which bridges theory with the real world of geology.

Beyond teaching, I now have three graduate students I am working with and I am serving on the committees of another five graduate students. They keep me very busy. Angela Cogar is developing a research in possible melting rates of glaciers in different maritime climatic regions, which is a necessary step for future predictions of the state of glaciers and future climates. Ben Nelson is working on archaeological sites predictions using Geographic Information Systems (GIS) tools and geophysical techniques. Steven Cathcart focus is in the multidisciplinary spatial planning for new wind energy farm sites. His research is intended to involve stakeholder participation in the planning process by using a collaborative spatial decision support system (CSDSS). So one of the challenges for me is to learn about different fields through my students.

This year my former research culminated in two peer-review articles. One on the remote sensing sensor that I had developed while at the University of Idaho, called Hyperspectral and Multispectral Cameras for Airborne Mapping (HAMCAM) was published in the ISPRS Journal of Photogrammetry and Remote Sensing and another book chapter was published in the Handbook of Applied Spatial Analysis led by the spatial statistics gurus Fischer and Getis. I also went to the AGU conference in San Francisco, CA where I presented research jointly with Charlie Onasch that is focused on automated extraction of grain boundaries in deformed rocks.

Other highlights of the past twelve months include a trip to Florida and Macedonia to visit family and climb mountains. I won’t brag and tell you how many peaks I summated, but I think my legs are still sore!

DICK HOARE
dhoare@bgusu.edu

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John Howe
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Charlie Kahle
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On the administrative side, 2009 was pretty much consumed with the looming budget situation. Enrollments at the University are down and Ohio, like virtually all states, is struggling economically. We were asked to develop plans for 5, 10, and 15% cuts to the School budget (personnel and operating), which was just about the least pleasant task I’ve had since becoming Director. We are feeling very good about our decision three years ago to form the School. Having done so is likely to spare us the level of cuts other units may face.

I taught a large section of the non-lab introductory geology course this fall (GEOL 100) for the first time in awhile. The classroom environment is nothing like what many of you recall. It’s a constant battle to keep students from texting and laptops are used for email and browsing more than taking notes. Nonetheless, these large classes help pay the bills and we are lucky to have the enrollment. The Environmental Geophysics class spent about half the semester working together on a site study for a campus microbrewery. Coming up with interesting projects keeps them going and helps me plan for my retirement business.

My research on the role of fluids in rock deformation continues. One of my MS students, Jenn Markham, finished a really nice study of how fluids influenced (or didn’t) the formation and history of a ductile shear zone in the Pennsylvania Piedmont. For those of you familiar with fluid inclusions, Jenn measured up to 7 separate phase transitions for well over 1,000 CO2-H2O+/-CH4 inclusions. Monumental! I continue to work in the lab and field with John Farver on the factors that influence quartz cementation. We are jointly supervising an MS student currently. Take care and stop by when in the area!

CHARLIE ONASCH
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Unfortunately she is not in geology but enjoying herself living in the Global Village and majoring in Asian studies. Colleen O’Shea, who I co-advised with Jim Evans defended her thesis in the spring and was a camp manager for us along with graduate student Megan Castles in the 2009 summer field course. We had 13 students in camp this year and Jeff, Jim and I were out keeping them busy at the same ole haunts in Colorado and New Mexico. Saw a few snakes, no shooting, cool weather and, as always, a good visit with Gary Smith (B.S. 1981) and wife, Aurora Pun at Sadie’s. New graduate students Will Emery, Joanne Antibus (BGSU field camp 2006) and Rosie Nyland (B.S. Geology, spring 2009) have kept me busy with some exciting new projects. Will was engaged last summer in a field study of the volcanic domes at Ruby and Sugarloaf mountains in Colorado that coincided with camp. Most of you have been there during your days in camp. I think Will found the last ruby on the mountain and most of the rest of the hill is now stored in the department! Joanne, who is also a high school science teacher in Bluffton OH, plunged into her research on the geochemistry of hyaloclastites (clastic volcanic deposits formed by quenching and granulation of magma interacting with water) in order to tease out the sources of the water (glacial melt versus marine) and the climate during the middle to late Miocene. She will be presenting her results at the Goldschmidt geochemistry conference in this June. The deposits are from Minna Bluff (Antarctica) where my former graduate student Mary Scanlan (M.S. 2008) established her thesis on magma genesis. In February I received a grant to continue my work on the AND-2A drillcore, which I helped log during my sabbatical in 2007, and asked Rosie to assist me. For her thesis she is attempting to link Miocene volcanic activity in McMurdo Sound to the many glacial cycles identified in the area during this time period as well as petrological considerations. We will be going to Italy to present the results of her work in April.

KURT PANTER
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Life was relatively uneventful for me in 2009. Good news is that my daughter, Sage, is now a BGSU student!
The 2009 academic year provided a good experience teaching the introductory courses on campus and GeoJourney off campus. I taught a couple of 1040 courses and a few labs last spring, which gave me the opportunity to see how those labs run, and how they could be updated for future use. I also had a chance to work with a great group of kids this last summer on the GeoJourney program. The first time the program has run in the summer here at BGSU. It certainly made camping in places like Crater Lake, that much warmer and enjoyable, although it also made places like the southeast United States that much hotter too. The students got along and did well in the field for the 9 week duration of the trip, and even had an opportunity to observe some fantastic weather along the way (golf ball to baseball sized hail stones and an impressive lightning storm in the Badlands)! As always, I am glad and relieved to see the safe return of everyone at the end of the trip, although the students do occur some bumps and bruises along the way. I am looking forward to what 2010 has to offer, and thus far it has not disappointed. I am teaching four introductory courses this spring semester, and as always, I hope to recruit those students who have shown interest in earth sciences. I have also enjoyed visiting many alumni I attended school with, who I have not seen in some time. So far, it has been a good start to the 2010 school year.

This semester, I am enjoying my first faculty improvement leave. So far, I have been mostly staring at diatoms in my microscope. When the weather improves, I’ll be travelling to Germany and other places to promote the collaborative aspects of my research. I’ll be back teaching a regular schedule for fall semester and for summer field camp.

I guess that I am the last of the dinosaurs in the department. (A lesson of the dinosaurs is that dinosaurs were right for their time but times change.) I came to Bowling Green from Berkeley in 1967 (that was a cultural shock), and I intend to retire at the end of the 2009-2010 academic year. The university recently offered a one-time University Employee Separation Plan for employees with at least 15 years of service, and the benefits were too good to pass up. The reason, of course, for the separation plan is to reduce expenditures by buying off senior faculty and staff. In addition to saving money, this will allow for a reallocation of resources within the university. Hence, I doubt that I will be replaced by another paleontologist in the foreseeable future.

I figure that over the years I have taught 18 different formal courses, ranging from physical anthropology to the field geology course, as well as numerous seminars on a variety of topics. Since 1995, I have taught GEOL 105 (Life Through Time) at 8:00 AM some 28 times—that is enough to cause one to retire.

The number of undergraduates in paleobiology is now down to seven. This largely is because when prospective students search the internet for an undergraduate program in paleontology, they no longer find BGSU.
Bob Vincent is currently taking a faculty improvement leave and is actively involved in working on his research program.

Several students completed research projects in paleontology this year. Steven King finished his M.S. thesis in August 2009; he investigated mosasaur tooth morphometrics and experimented with fabricated metal mosasaur jaws to see if they could be responsible for purported bite marks in ammonite shells. The short answer is, yes, they can! Leigha King and Matt Knauss both finished senior research projects in December. Leigha used finite element analysis to study the biomechanics of ornithopod dinosaur feet while Matt connected evidence from brain endocasts to postcranial skeletal features to better understand the evolution of predatory behaviors in theropod dinosaurs. A new M.S. student started the program in January, and hopefully we’ll have even more new students for next year!

I’m gearing up for two major international research meetings this year, the International Paleontological Congress in London and the 8th International Symposium on Cephalopods—Present and Past in Dijon, France. Hopefully, I’ll have some new results from my ongoing project to present at these conferences. I am using GIS and spatial statistical techniques to study the distribution of ammonoids in the Cretaceous Western Interior Seaway of North America. These analyses may lead to better understandings of how environmental factors may drive geographic range expansions and contractions, leading to rapid speciation and extinction in this fascinating group of animals.

Remembering Doc Joe

Mancuso rules – you better know them or you’ll be buying a lot of beers. Red tee on par 5’s, nudging your ball on to the short grass, and a foot from the pin is in were all part of Joe’s game. Of course for Joe, the game started well before getting to the club. He had coupons that nobody had ever seen. When you had a coupon for $10 off, he would pull one out for $25 off, plus a bag of balls, plus a steak dinner.

Doc Joe oversaw an operation in the department that kept a small army busy. He supervised a large number of graduate and undergraduate students working on projects arranged through his contacts with various mining companies. In 36 years as a faculty member, he was advisor on 58 MS theses, a record that will likely stand in the department and maybe even the university. His field trips to the UP were legendary. To him it was just “up north”. Those in the spring often were met with snow forcing students to wade waist deep in the drifts. They loved it. He was a regular out at field camp. As you know, we camp for the first half and are in the dorms at Ft. Lewis College for the second half.

Joe always found a way to do the second half when he knew he’d be sleeping in a bed instead of on the ground. This also allowed him to visit his favorite watering holes in Durango. In the early days of computers, Joe was one of first to promote what he called “this computer mapping thing”, which we would later call GIS. Despite being a hard-core economic geologist, he was a leading proponent in moving the department from a traditional minerals and oil program to one focused more on the environment. Although he appeared to be a traditionalist, he was really a visionary.
Faculty Grants and Contracts

**ACTIVE EXTERNAL GRANTS AND CONTRACTS FOR 2009**

- **John Farver** and **Jeff Miner** (biology): Otolith Microchemistry as a Natural Tag for Mixed Stock Analysis of Hatchery Reared Steelhead. US Department of Commerce, Ohio Sea Grant

- **Kurt Panter**: A 20 Million Year Record of Volcanism in the AND-2A Core: Implications for the Magmatic, Tectonic and Climate History of Antarctica, National Science Foundation

- **Kurt Panter**: Late Cenozoic Volcanism and Glaciation at Minna Bluff, Antarctica: Implications for Antarctic Cryosphere History, National Science Foundation

- **Jeffrey Snyder**: Collaborative Research: Millennial-Scale Arctic Climate Change for the Last 3.6 My: Scientific Drilling at Lake El'gygytgyn, NE Russia, National Science Foundation


- **Robert Vincent**: Monitoring of Agricultural Sewage Sludge, US Department of Agriculture

Mayfield Lecture

The 2008-2009 Mayfield lecture was given by **Dr. Kent C. Condie** from the New Mexico Institute of Mining and Technology. He gave two talks, one entitled "When did Plate Tectonics Begin on Earth" and the second entitled "What on Earth happened 2.4 Billion Years Ago". Both were well attended.

Field Camp at 60

Driving with the Widow-maker, racing up the 14’ers, Lady Falconburgh’s, the long climb coming back from town, poker with Dion. Send us your stories, memories, recollections, and pictures from your days at Field Camp.

To celebrate the 60th anniversary of our Field Camp, the Department is compiling a volume that recalls all those field camp experiences from both student and faculty perspectives. Once complete, we will make it available on-line or by hard copy to all our alumni and friends.

Students

**M.S. THESES COMPLETED IN 2009**

**MS GRADS:**

- **Steven King** (advisor: Peg Yacobucci) The ability of Mosasaurs to produce unique puncture marks in ammonite shells.

- **Jenn Markham** (advisor: Charlie Onasch and John Farver) The Peach Bottom Slate: A shear zone waiting to happen or a case of being in the right place at the right time.

- **Colleen O’Shea** (advisor: Jim Evans and Kurt Panter) Influence of volcanic processes on fluvial sedimentation in the McDermott Member of the Animas Formation in southwestern Colorado

- **Louis Sanderson** (advisor: Enrique Gomezdelcampo) Changes in fish diversity due to hydrologic and suspended sediment variability in the Sandusky River, Ohio: A genetic programming approach.

- **Sharon VanDeVelde** (advisor: John Farver) Distribution and transport of water in natural quartz arenites

- **Jingjing Wang** (advisor: Bob Vincent) Satellite mapping of past biosolid (sewage sludge) application to agricultural fields in Wood County, Ohio
Alumni and Friends Support

The Department wishes to thank these alumni, faculty, and friends for their generous support of the department and its programs during 2009.

George Agich and Mary Kate Fredriksen
David and Constance Atwater
Jenny Baker
Bank of America (Telljohann)
Glenn Bear
Mimi Becker
Robert and Mary Blackwell
Clifton and Judy Boutelle
Arthur and Martha Brecher
Morgan and Frances Brent
James and Martha Busanus
Bill and Carol Butler
Cabot Oil and Gas (Scott match)
Paul and Lisa Cesaroni
Darrel and Eileen Challen
D S Chauhan
Chevron Corp - Regel match
John and Emily Coash
Conoco Phillips-Noon match
Donald and Mary Cunningham
Frederick Cunningham
James and Alice Davidson
Robert and Maxine DeBard
Ivan and Myri DenBesten
Diane Desalvo
Reginald and Dianne Eden
Richard and Nadine Edwards
Jim and Penny Evans
ExxonMobile (Bear match)
Eugene and Barbara Filipow
Jane Forsyth Fund
Francis Furman
Charles and Betty Gallagher
GDL Foundation
Susan Goldstein
Enrique Gomezdelcampo
Tom Gorman
Norwood and Ruth Gove
Paul Haas
Raimund Hahn and
Cynthia Artist
Milt and Lee Ellen Hakel
Thomas and Nina Hendrix
Dick and Mary Ann Hoare
Merrill and Ardelle Hough
Cynthia Jacobsen
Joseph and Elayne Jacoby
Henry & Elizabeth Jacques
Brian and Janet Jeffs
Barbara Keller
Eugene and Glory Kindt
Mr. and Mrs. Thomas Knox
Roger and Barbara Kussow
Elisabeth Ladd
Jack and Linda Leow
Denise Leventhal
Macys - Wolery match
Nancy Mancuso
Thomas and Jackie McClain
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Larry and Dianne Mershman
Connie Milliron
Holly Myers
Patrick and Rachel Noon
Thomas and Barbara O’Brien
Charlie and Chris Onasch
Kurt Panter
Chris Pepple
Petrox Royal
Dan and Mary Pfieffer
Raymond and Mary Ann Pires
Bernard and Gayle Regel
Thomas Rennebaum
Raritan Resources
Sheila Roberts
David Robson
Cariton and Bonnie Rockett
John and Barbara Rogers
Michelle Rosendaal
Gary and Kathleen Schnuth
Walter and Deborah Schober
Phyllis Scott
Kathleen Howard Sutherland
Russell and Laura Marie Tate
Jack and Georgia Tauscher
Eric and Annette Telljohann
Carol Thatcher
Toledo Gem and Rockhound Club
Mary Lou Waggoner
Lynn and Lester Walters
Richard and Martha Whitley
David and Elizabeth Wick
Armour Winslow
Thomas and Janice Wolery
Tracy and Nancy Wolf
Peg Yacobucci
Departmental Award and Scholarship Winners

The department is fortunate to have many scholarships for both undergraduate and graduate students. Thanks to the generosity of alumni who endowed the awards and those who help them grow through annual giving, student support is at a record level in the department. Your contributions to any of these scholarships go directly to the students.

Departmental Scholarships

THE CONRAD AND DEANNA ALLEN AWARD
Given to an outstanding undergraduate student going to field camp

THE DAVID V. JACQUES MEMORIAL SCHOLARSHIP
Recognizes academic excellence of an undergraduate student

M.S. LOU GHEE D SENIOR GEOLOGY SCHOLARSHIP
Recognizes academic excellence of an undergraduate student

TOLEDO GEM AND ROCKHOUND CLUB SCHOLARSHIP
Recognizes academic excellence of an undergraduate student and gives consideration to financial need and students from NW Ohio

MANCUSO FIELD STUDIES SCHOLARSHIP
Supports students going to field camp

THE RICHARD D. HOARE GRADUATE RESEARCH SCHOLARSHIP
Supports graduate student research

FURMAN ECONOMIC GEOLOGY RESEARCH FUND
Supports graduate student research in areas of economic geology and minerals research

PRACTICAL GEOPHYSICS INC. SCHOLARSHIP
Supports student research in the area of field geophysics

DENNIS L. RODER GEOLOGICAL FIELD EXPERIENCE SCHOLARSHIP
Supports a Junior or Senior completing a field experience

Departmental Award and Scholarship Winners – 2009

Student Awards

OUTSTANDING UNDERGRADUATE STUDENT
Benjamin Linzmeier

LOU GHEED SCHOLARSHIP
Allison Bryan

LOU GHEED BOOK SCHOLARSHIP
Trina Dennison, Matt Myers, and Evan Turner

DAVID V. JACQUES MEMORIAL SCHOLARSHIP
Leigha King

DENNIS L. RODER GEOLOGICAL FIELD EXPERIENCE SCHOLARSHIP
Leigha King and Allison Bryan

CONRAD AND DEANNA ALLEN FUND
Leigha King

TOLEDO GEM AND ROCKHOUND CLUB SCHOLARSHIP
Jordan Clark

CHARLOTTE PARKER BOOK SCHOLARSHIP
Benjamin Linzmeier

MANCUSO FIELD STUDIES SCHOLARSHIP
Neal Cropper, Sarah Neff, and Colleen Varga

OUTSTANDING GRADUATE STUDENT
Stephen King

RICHARD D. HOARE RESEARCH SCHOLARSHIP
Laura Webb

PRACTICAL GEOPHYSICS, INC. SCHOLARSHIP
Senthil Yuvaraj

FURMAN ECONOMIC GEOLOGY RESEARCH FUND AWARD
Dan Winslow

DEPARTMENTAL SERVICE AWARD
Senthil Yuvaraj

SWEETY MAZUMDAR OUTSTANDING GRADUATE STUDENT TEACHING AWARD
Colleen O’Shea

Alumni Award

DOROTHY J. STOUT DISTINGUISHED ALUMNI AWARD
Francis Furman (not pictured)
Scholarship Winners

Outstanding Undergraduate Student winner, Benjamin Linzmeier

Conrad and Deanna Allen Fund winner, Leigha King

Toledo Gem and Rockhound Scholarship winner, Jordan Clark

Lougheed Book Scholarship winners, Trina Dennison, Matt Myers and Evan Turner (L to R)

Dick Hoare with Richard D. Hoare Research Scholarship winner Laura Webb

Charlotte Parker Book Scholarship Benjamin Linzmeier

Lougheed Scholarship winner, Allison Bryan

David V. Jacques Memorial Scholarship winner, Leigha King

Departmental Service Award recipient, Senthil Yuvaraj
Scholarship Winners CONTINUED

Dennis L. Roder Geological Field Experience Scholarship recipients (L to R), Allison Bryan and Leigha King

Practical Geophysics, Inc. Scholarship, Senthil Yuvaraj

Outstanding Graduate Student Award recipient, Stephen King

Sweety Mazumdar Outstanding Graduate Student Teaching Award recipient, Colleen O’Shea

Mancuso Field Studies Scholarship winners, (L to R) Sarah Neff, Neal Cropper and Colleen Varga

Furman Economic Geology Research Fund Award recipient, Dan Winslow
Our Staff

The department wishes to recognize the hard work of its classified staff, instructors, and work study students, without whom we could not function.

Bill Butcher
Staff Geologist

Pat Wilhelm
Departmental Secretary

Another year has passed and a brand new “digital decade” is upon us. Geological processes might be pretty slow in general, but the investigators who try to explain them move mighty fast! The faculty, staff, and students, armed with computers and all sorts of other digital gadgets, have found many ways to keep me busy and “amused”. Desktop replacements, software licensing & updates, Microsoft patches (aarrgghh!), and so much more contribute to some truly festive days here in the Geology Department. What? Me bored? I think NOT! Have a great year everybody!

Wow! Another year has flown by. It seems every year our students get younger, I of course am not getting older. The past year has been quite a challenge with the new PeopleSoft student system, but I have finally mastered it somewhat (thank goodness for good notes). This semester for the first time Grad Assistantships will be submitted online. We are on our way to being a paperless campus. As with each spring we are beginning to prepare for the banquet and field camp preparations will follow soon.

On a personal note, I became grandma to two more little miracles this year making a total of three girls and four boys, I am told that is it, we’ll see. As usual I took time off during Christmas break and spent great quality time with my family. We rode the “Santa Train” in Blissfield MI, enjoyed the lights at the Toledo Zoo, took in a couple of movies and I was beaten soundly by the grandchildren playing Wii games (even the three year olds make me look bad). We are planning another magical Christmas trip to Disney, but have put it off until 2011 so the babies might enjoy it more; I am so excited the entire family is going this time.

I hope everyone’s year is off to a terrific start, so far so good here in BG. Our area groundhog Holland Huckleberry didn’t even see his shadow, but judging from the recent snowy-blowy weather he might be off a little. Another sure sign spring is on the way, the Daytona 500 is this weekend and Kasey and Jr. seem to be off to a great start!

Paula Steinker
Instructor

Jeremy Jeffery
Student Worker
DAVID BOURLAND | B.S. 1978
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David lives in Waterville, Ohio, with his wife Cheryl, and daughter Nicole and son David. He teaches geology and environmental science at Bowsher High School, and is also the Department Chair.

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Jim works for the Orrville City Schools where he teaches earth sciences and environmental studies, and chemistry. He also runs a high school field camp every spring break for a week with fifteen students. They have been to the Smokies, Shenandoah, Utah, Hawaii, and Missouri.

RUTH MILLER GOVE | B.A. 1958
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Alan lives in Columbia, South Carolina, and works at Furman University as a full-time lecturer. His duties are instructing EarthSci courses, and he just defended his dissertation on stable isotopes of cretaceous marine vertebrates.

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Yonggui works for Geomechanics International as a Senior Geomechanics Specialist.

ROBERT HAGERMAN | B.A. 1975
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Robert works for Glenn O. Hawbaker Inc. as a Geologist in the Aggregate Division in State College, Pennsylvania. His duties include permitting, mine planning and operations.

WASEEM KHAN | M.S. 1990
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Waseem is the president of 4 Peaks Engineering Services, Inc. His duties include business and client development, firm administration and work on master plan projects. His firm is a small engineering firm specializing in water and wastewater engineering and environmental projects for small rural systems.

TERRY KREDLER | B.S. 1970
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Terry is now retired after 30 years with Uncle Sam at U.S.G.S. (1.5 years), U.S. Bureau of Mines (18 years) and Minors Management Service (12 years).

HAROLD “CARLY” LOGSDONS | B.S. 1964
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Harold is retired from Montgomery County Schools in Maryland after teaching for forty-one years. Presently, he is teaching at Academy of Holy Cross also in Maryland. He also just published a book titled, “The Disappearance of Booktown, Ohio”.

BRIAN MOTT | B.S. 1986
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Brain is a Senior Engineering Geologist and Environmental Scientist at DLZ, Ohio, Inc. He is the lead geologist for soft and hard rock tunnels in central Ohio, and the environmental chair of "1" for DLZ, all aspects of soil, groundwater surface water compliance.

ROBERT ONDERKO | B.S. 1980
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Robert lives in LaVernia, Texas, with his wife Joan. He works for AECOM as a Senior Geologist. His duties include project management – environmental consult and remediation. He was recently named co-leader of the Subsurface Investigation Technical Practices Group for AECOM.

MATT PESCI | M.S. 2000
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Matt lives in Rossford, Ohio, with his wife Sharon and daughter Mia. He works for Parsons as a Senior Geologist, CPG. His duties include being a field team leader for environmental site assessments/cleanup.

GARY SCHNELZER | B.S. 1964
Gary is the owner and consultant of Schnelzer, LLC and is also a consultant to the government on space systems research and development. He is also retired from the Air Force after thirty years of service.

BETH SIMMONS | M.A. 1970
Beth is an adjunct professor at Metropolitan State College of Denver. There, she teaches an introduction to geology course. She recently co-authored the book, The Legacy of Arther Lakes, which was published by Friends of Dinosaur Ridge.

KAREN WAGGONER | P.H.D. 2006
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Karen is an Assistant Professor of Geology at Midland College. She teaches physical and historical geology lecture and lab, and is developing hybrid versions. She is also teaching Sed/Strat and paleoentology lecture and lab and structural geology lab for Sal Ross State University through distance education.
GEOLOGISTS AT WORK

Students study the sand at the Indiana Dunes National Lakeshore on Lake Michigan.

Hari gets up close and personal with the rocks at Parfrey’s Glen Natural Area.

Students at Meas Verde National Park.

Randy and Ben working in the sun.

Laura, Will, Megan and Allan show off their vibracoring skills.
Matt, Leigha and Billy search for fossils at Caesar Creek State Park.

At the top of Engineer’s Peak.

Paleontology field trip group at Oakes Quarry Park (Fairborn, OH).

Emily, Matt and Billy recording their observations.

Don’t mess with Kurt.

Field camp students hard at work after a long day in the field.

The fake tufa mound along US 550 climbing toward Coal Bank Pass.