Greetings from the Chair

Hello everyone! It’s already 2011 and time for our annual newsletter.

It’s been a busy year, both for me and the department. Like all public institutions, the budget situation is not good at Bowling Green State University, and we were unable to replace Don Steinker after he retired last year. We were, however, able to hire an instructor (Jessica Lawrence, a 2008 graduate of our MS program in paleontology) to teach in the GeoJourney program, replacing Chris Pepple. She is also teaching a full load of introductory courses in the spring. Another recent graduate, Senthil Yuvaraj, is teaching a course for the department this spring. Unfortunately, we don’t see enough of Joe Frizado anymore; he continues to serve as Interim Dean of the College of Technology. In addition to a few changes in the department, there are major changes on campus. You might not recognize the place if you haven’t been here recently. There are new dorms, dining halls, a performing arts center, and a basketball arena under construction. The university also improved Ridge Street, the street that takes you to Overman Hall and the Geology Department. Changes are also being considered in the university’s general education program, those courses required of all undergraduate students. I’ve been working on the proposal to insure that any changes do not adversely impact our students or the department. Finally, congratulations to Peg Yacobucci, who was awarded the BGeXperience Distinguished Faculty Award in 2010 to recognize the tremendous effort she has put into developing introductory level science courses that incorporate a discussion of values.

Professionally, things are going well. I taught the Environmental Geology course to the largest group of students I’ve had in a long time; taking over 35 students on a field trip is a
Greetings from the Chair …continued from page 1

logistical challenge when you’re use to less than half that number! I also continue to teach GEOL 1000, the introductory geology course with no lab, online during the summer. Teaching is very different when you never meet your students! In the fall, I taught the 3000-level Environmental Field and Laboratory Methods course for the Department of the Environment & Sustainability. I spent many an hour developing laboratory and field exercises. The soil and water labs were pretty easy; the ecology projects were more of a challenge. I also saw two of my graduate students, Mitra Khadka and Asako Kawatsure, complete their MS theses. Mitra is now working on a PhD and Asako has returned to Japan to find a job. I have two new graduate students, Wes Jordan and Corrina Bissell, who will be working on metal contamination in water and sediment along the Ottawa River in Toledo.

My personal life continues to be busy. In addition to caring for three very spoiled cats, I spend most of my free time spinning, knitting or weaving. A bad knee and hip make running impossible, and so I have, somewhat against my will, taken up swimming. I did manage to swim a mile—once. Don’t think I’ll try that again in the near future!

Hope all is well in your lives. The Geology Department annual spring banquet is April 6th. If you’re in the area then (or any other time), stop by and say hi!

Sheila Roberts
Chair/Associate Professor
sjrober@bgsu.edu

Cover photo:
Students in Sedimentary Basin Analysis class take a breather at Cooper’s Rock State Park overview, West Virginia.
Happy 2011! 2010 was a very busy year for me and for GeoJourney – we ran two programs last year (summer AND fall semesters) for the first time! We had two great groups of students and several of them are planning to continue on in geology courses. There were many other changes to GeoJourney as well: we designed and field-tested two new vehicles – we attempted to improve on the 15-passenger van by adding video capability and more comfortable seating – it was an adventure, to say the least. We also added a new instructor (Jessica Lawrence) and an administrative assistant (Ian Rodgers) to the GeoJourney staff – running two trips requires all of their hard work and more.

We have also been fortunate to establish a community connection with a local professional primitive technologist, Mike Burcewicz, who specializes in stone tools. He and a colleague joined us for our annual (now bi-annual) GeoJourney bison slaughter using Native American tools and techniques. Mike provided us with the opportunity to use an Archaic celt from the Wood County Museum collection – the first time the celt had been used for butchering in thousands of years! These sorts of activities really highlight the interdisciplinary nature of GeoJourney! In addition to directing and teaching on GeoJourney, I am now teaching the History of Man class – I have some big shoes to fill replacing Dr. Steinker as instructor for that course, but I am enjoying it. I also continue to teach introductory geology and environmental studies courses both in the BGSU Geology Department and in BGSU Chapman Learning Community, BaseCampus, the BGSU student organization comprised of GeoJourney alumni, continues to thrive – the students are planning their spring break trip this year to New England and they continue to recruit for GeoJourney contributing to its success.

I’m only on campus during the spring semester, but if you ever want to meet up with the group, we would love to have you visit us in the field on GeoJourney. Check out www.geojourney.org for our schedule and contact info.

This year I have two students that finished and four that are continuing. Laura Webb completed a study of human changes in rivers in NW Ohio over historical time spans. We used OSL dating to document very high floodplain aggradation rates during the time that Toledo suburbs developed rapidly (1940s-1960s). She is now starting a Ph.D. program at Miami University. Senthil Yuvaraj finished a study of the prograding clastic shoreline sequences in the Cretaceous Pictured Cliffs Sandstone in southwest Colorado, using outcrops and cores. He is now teaching in the geology department as an instructor, while considering starting his Ph.D. program.

Of the continuing students, Mary Faw has returned from working for several years to finish her thesis on coals as paleo-histosol deposits. JT Maurer is finishing a study on the Ignacio and Elbert formations of SW Colorado, which we are redefining as Devonian in age and representing an incised valley sequence. Allan Adams is continuing to look 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 finishing a study on the subsurface facies in the Cambrian Kerbel Formation and uppermost Conasauga Group in SW Ohio using the core facility of the Ohio Geological Survey.

I am spending a lot of time with service work, including being editor for a book of 14 papers about dam removals and river restoration (Reviews in Engineering Geology, published by GSA). I continue to work on the AGU Committee on Outreach & Strategic Communications (a successor of the Committee on Public Affairs), GSA Research Grants Committee, help AAAS select Congressional Science Fellows, and do peer reviews for the US-EPA. I am being prepared as a technical witness in a series of legal cases involving contaminated sediment.

As I said last time, one daughter graduated from college last spring and the other started college in the fall, so the empty nest scenario has arrived. My wife...
If you had been to campus lately, you would notice quite a bit of construction taking place. Certainly more that I have seen in my 7.5 years here. Which is a bit reassuring considering all the other things going on here. I graduated one more master’s student and he moved on to a Ph.D. program in Florida, good move considering how cold it has been here this winter. I’m currently starting work on an EPA GLRI grant together with the Nature Conservancy looking at the impact on groundwater from wet prairie restoration. Though most of the work is/will be done by my new graduate student, but hey, you all know that.

Other than that, just the usual conferences and workshops in the year.

At home, all my Spanish speaking there is starting to pay off. My son is starting to speak in Spanish as well as English. I hope all is well.

GREETINGS! I hope this note finds you well! It has been an eventful and busy year at BGSU and here are some of the highlights….It appears I’m still expanding my teaching course list because last year I taught the Geological Remote Sensing for the first time besides my standard Spatial Modeling graduate course. The course was challenging for me but I learned some different techniques.

This year two peer-reviewed articles appeared in press, one of the articles is a chapter published in the Handbook of Applied Spatial Analysis by Fischer and Getis, and the other article was published in Computers & Geosciences. I am still widening my research efforts and now I have four graduate students that I am working with; they all have very different research projects ranging from collaborative spatial decision support system to archeology, plus remote sensing detection of invasive species, to modeling landslide susceptibility. Another active area that I am currently pursuing is my Coastal Ohio Wind Project that represents a collaborative project between University of Toledo and BGSU. During the summer I presented a poster at the Wind 2010 Symposium in Cleveland and currently I am seeking various grant opportunities.

Another event from last year includes my Fulbright follow-on-grant work in Macedonia where I taught at the Ss. Cyril and Methodius University in Skopje via my Fulbright host institution, the University of St. Kliment Ohridski in Bitola. While there, I also donned hiking boots to climb a number of tall peaks.

is finding her second career as an artist, and is busy converting all the available space into different kinds of studios. I appreciate hearing from anybody, especially former students, about how you are doing these days.

Greetings! I hope this note finds you well! It has been an eventful and busy year at BGSU and here are some of the highlights….It appears I’m still expanding my teaching course list because last year I taught the Geological Remote Sensing for the first time besides my standard Spatial Modeling graduate course. The course was challenging for me but I learned some different techniques.

This year two peer-reviewed articles appeared in press, one of the articles is a chapter published in the Handbook of Applied Spatial Analysis by Fischer and Getis, and the other article was published in Computers & Geosciences. I am still widening my research efforts and now I have four graduate students that I am working with; they all have very different research projects ranging from collaborative spatial decision support system to archeology, plus remote sensing detection of invasive species, to modeling landslide susceptibility. Another active area that I am currently pursuing is my Coastal Ohio Wind Project that represents a collaborative project between University of Toledo and BGSU. During the summer I presented a poster at the Wind 2010 Symposium in Cleveland and currently I am seeking various grant opportunities.

Another event from last year includes my Fulbright follow-on-grant work in Macedonia where I taught at the Ss. Cyril and Methodius University in Skopje via my Fulbright host institution, the University of St. Kliment Ohridski in Bitola. While there, I also donned hiking boots to climb a number of tall peaks.

is finding her second career as an artist, and is busy converting all the available space into different kinds of studios. I appreciate hearing from anybody, especially former students, about how you are doing these days.
Interesting times at old BGSU! We are looking for a new President, getting ready to start negotiations for the first collective bargaining agreement, and figuring out how to deal with a shrinking University budget. The School continues to evolve with the hire of new faculty in the Department of Environment and Sustainability. One of the positions is in energy and the other is a joint position in energy/environmental policy. The emphasis on energy is no accident; our strategic plan includes building a strength in the area of energy resources, both conventional and alternative. We want to develop expertise in exploration, extraction, management, remediation, and policy as related to energy resources.

Last summer, I took a wonderful trip to Alaska. We spent the first week on a 40’ boat with just my wife, Chris, the captain, and the mate. We wandered around the fjords and islands of Kenai National Park marveling at the wildlife, glaciers, and geology. The 24-hour daylight took some getting used to. We found ourselves in a zodiac at 2:00 AM heading up a river to watch the bears hunt for salmon. It’s amazing how your activities are tied to the daylight cycle and not the clock. For me, the high point was sitting in front of a calving glacier hearing the incredible noises; the low point was running through a storm in the Gulf of Alaska in 20’ seas. Think Deadliest Catch! The second week was spent at a lodge on Raspberry Island, a small island on the northwest side of Kodiak Island. Here, the target was fishing and it was exciting to say the least. We alternated between halibut and salmon with lots of success with each. Trying to bring a 70 lb halibut from 150’ of water is a challenge. Shaped like a barn door, they only have to turn sideways to stop you cold. The best part was fish at every meal. Every now and then, we would take a break and have fresh crab. We took one day to fly over to Katmai for a tour of the Valley of 10,000 Smokes and a bear-watching expedition. Alaska is an experience that I’d recommend to everyone.

My research on the role of fluids continues. I have one new student starting in an area on the western limb of the Blue Ridge anticlinorium in Maryland looking at pre-Alleghanian events using a combination of structural and fluid histories. I’m working with John Farver and another student using a novel hydrothermal flow-through cell to study quartz cementation in sands and sandstones. Finally, a third student is dragging me into the world of surface waves for studying the shallow subsurface. Always cursed when doing refraction work, these things are actually incredibly useful!

Take care and stop by when in the area!

...Continued on page 6
Since the last newsletter, I have received literally thousands of samples from the drilling of impact-crater Lake El’gygytgyn in the eastern Russian Arctic. So far, my initial sample preparations go back close to two million years. The variability of diatoms in the record is quite amazing, and I continue to be surprised as I look deeper and deeper. My eyes are weary from hours at the microscope. I am looking forward to the change of focus (and weather) to come with this summer’s field camp. We already have a large number of BGSU students and external applicants for the 2011 field camp.

In December, 2010, Kurt Panter, Jeff Snyder, Jim Evans, and Bob Vincent went to the AGU Fall Meeting in San Francisco, and most of them gave papers. On December 16 of the same meeting, Bob convened a session on December 16 entitled GC41F. Monitoring and Mitigation of Methane Clathrate Destabilization to Avoid Accelerated Global Warming. His paper and 3 papers that he and his co-convener, Xiaozhen Xiong (Perot Systems, NOAA) invited for the session were given on various aspects of the same subject by Natalia Shakhova (University of Alaska), John Kessler (Texas A.&M. University), and Christian Frankenberg (NASA Jet Propulsion Laboratories, California Institute of Technology).

In other news, Bob Vincent (75%) and Sridhar (25%) were inventors on a new patent, US 7,767,966 B2, that was awarded by the U.S. Patent Office to BGSU on August 3, 2010, entitled “Method and Apparatus for Detecting Organic Materials and Objects from Multispectral Reflected Light.” BGSU and Bob have spun off a new company called Crosshair Technologies, Inc. to promote the new patent to aircraft manufacturers for an on-board sensor that shows plots where birds are located out in front of the airplane; to car manufacturers for imaging deer on
I have had a busy year, traveling to London for the International Paleontological Congress (where I gave a talk on “Speciation during the Cenomanian radiation of ammonites in the Western Interior Seaway of North America”) and to Dijon, France for the 8th International Symposium on Cephalopods-Present and Past (where I presented results of a “Meta-analysis of character utility and phylogenetic information content in cladistic studies of ammonoids”). I also co-chaired a session at the Fall 2010 Geological Society of America meeting on “Teaching Paleontology in the 21st Century: Resources for Teaching Paleontology at the Undergraduate Level”. Co-convener Rowan Lockwood (College of William & Mary) and I are now working on an edited volume on the same topic, to be published by the Paleontological Society. If you teach paleontology to undergraduates, please look for it in 2012!

Here at BGSU, the big paleontology news, of course, is the retirement of Don Steinker in the summer of 2010. We’ve been working on strategies to make up for the large void in the paleo curriculum he leaves behind. (Of course, Don’s still in his office almost every day, so that helps!) Several undergraduate Paleobiology concentrators have been working on their independent research projects, on topics ranging from archosaur tooth mineralogy and biomechanics to Cretaceous ammonoid biostratigraphy to the paleobiogeography of pterosaurs. The paleo students certainly keep me on my toes!

Faculty Grants and Contracts

ACTIVE EXTERNAL GRANTS AND CONTRACTS FOR 2010

- **John Farver** and Jeff Miner (biology): Otolith Microchemistry as a Natural Tag for Mixed Stock Analysis of Hatchery Reared Steelhead: Ohio Sea Grant
- **Kurt Panter**: Geochemical Transect from Oceanic Adare Basin to Adjacent Continental Adare Peninsula: Implications for the Origin of Intraplate (HIMU-like) Alkaline Magmas, National Science Foundation
- **Jeff Snyder**: Millennial-Scale Arctic Climate Change for the Last 3.6 My: Scientific Drilling at Lake El’gygytgyn, NE Russia, National Science Foundation
- **Bob Vincent**: Monitoring of Great Lakes Water Quality with Remote Sensing, NOAA
- **Bob Vincent** and George Bullerjahn (Biology): Consensus Building for How to Monitor and Mitigate Methane Clathrates, US Department of Commerce
Mayfield Lecture

This year’s Mayfield lecturer was one of our own, BGSU graduate William C. Haneberg (BS 1982). He gave two fascinating talks, “Virtual Geologic Mapping with High Resolution Digital Surface Models: Brave New Paradigm or More New Clothes for the Emperor?” and...

“Rational Probabilistic Landslide Hazard Modeling: Principles and Examples for Seattle, San Francisco, and Humboldt County, California”. He also made presentations in a few classes, including a great talk about landslides in Nepal for the environmental geology class.

Field Camp

Another great year for field camp! In addition to the usual contingent of students and faculty, the Dean of the College of Arts and Sciences, Dr. Simon Morgan-Russell, visited camp for a few days to better understand what geology students actually do. You can see him below, working on one of the field camp laptops. Field camp was also featured in BGSU’s Dimensions Magazine—check it out!

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 2010.

David and Connie Atwater
B&B Oil
Bank of America
Glenn Bear
David Buchanan
Greg and Renee Burns
James Busanus
Bill and Carol Butcher
Chevron Corp
Kim and Janet Doud
Jim and Penny Evans
Exxon Mobil
Eugene and Barbara Filipow
Joe and Patti Frizado
Francis Furman
Jack and Ann George
Susan Goldstein
Enrique Gomezdelcampo
Merrianne Hackathorn
Raimund Hahn and Cynthia Artist
Dick and Mary Ann Hoare
Gary Hoose
Paulette Hervi Hughes
Henry and Elizabeth Jacques
Brian and Janet Jeffs
Eugene and Gloria Kindt
Tom and Judith Knox
Roger Kussow
Macy’s
Toby and Robin Mancuso
Kurt Panter
Chris Pepple
Bernard Regel
Thomas Rennebaum
Sheila Roberts
David Schneider
Walter and Deborah Schobel
Kenneth and Phyllis Scott
Eric and Annette Telljohann
Toledo Gem and Rockhound Club
Pat Wilhelm
Thomas and Janice Wolery
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. LOUGHEED 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 – 2010

Student Awards

OUTSTANDING UNDERGRADUATE STUDENT
Ina Terry

LOUGHEED SCHOLARSHIP
Stephen Hendricks

LOUGHEED BOOK SCHOLARSHIP
Trina Brittany Bisesi, Michael Majoros, Brittany Munch and Abbey Tobe

DAVID V. JACQUES MEMORIAL SCHOLARSHIP
Allison Bryan

DENNIS L. RODER GEOLOGICAL FIELD EXPERIENCE SCHOLARSHIP
Ina Terry

CONRAD AND DEANNA ALLEN FUND
Eric Dickerson

TOLEDO GEM AND ROCKHOUND CLUB SCHOLARSHIP
Trina Dennison, Devin Neal and Megan Smith

CHARLOTTE PARKER BOOK SCHOLARSHIP
Allison Bryan

MANCUSO FIELD STUDIES SCHOLARSHIP
Steven Cathcart, Eric Dickerson, Emily Freeman and Ina Terry

OUTSTANDING GRADUATE STUDENT
Benhur Tedros and Laura Webb

RICHARD D. HOARE RESEARCH SCHOLARSHIP
Joshua Maurer

PRACTICAL GEOPHYSICS, INC. SCHOLARSHIP
Bharat Banjade

DEPARTMENTAL SERVICE AWARD
Senthil Yuvaraj

SWEETY MAZUMDAR OUTSTANDING GRADUATE STUDENT TEACHING AWARD
Daniel Winslow

Alumni Award

DOROTHY J. STOUT DISTINGUISHED ALUMNI AWARD
Charles Cleneay
Scholarship Winners

Outstanding Undergraduate Student, Ina Terry

David V. Jacques Memorial Scholarship, Allison Bryan

Lougheed Book Scholarship, Brittany Bisesi, Abbey Tobe, Brittany Muncy and Michael Majoros (L to R)

Toledo Gem and Rockhound Scholarship, Trina Dennison, Megan Smith and Devin Neal, with Mike Mayers of the Toledo Gem and Rockhound Club.

Lougheed Scholarship, Stephen Hendricks

Conrad and Deanna Allen Fund, Eric Dickerson

Charlotte Parker Book Scholarship, Allison Bryan
Richard D. Hoare Research Scholarship, Joshua Maurer

Outstanding Graduate Student Award, Laura Webb and Benhur Tedros

Sweety Mazumdar Outstanding Graduate Student Teaching Award, Daniel Winslow

Dennis L. Roder Geological Field Experience Scholarship, Ina Terry

Practical Geophysics, Inc. Scholarship, Bharat Banjade

Mancuso Field Studies Scholarship, Steven Cathcart, Emily Freeman, Eric Dickerson, and Ina Terry (L to R), with Nancy Mancuso (center).
Students

M.S. Theses Completed in 2010

LEE BARThOLOMEW
(advisor: Enrique Gomezdelcampo)

Megan CASTLEs
(advisor: Charlie Onasch)

HARI KANDEL
(advisor: Enrique Gomezdelcampo)

MITRA KHADKA
(advisor: Sheila Roberts)

POMAS KUJO
(advisor: Bob Vincent)

TIMOTHY MCGRAW
(advisor: Jeff Snyder)

LAURA WEBB
(advisor: Jim Evans)

The Terrestrial Application of the Phycocyanin Algorithm
Determining the Geometry and Former Extent of the North Mountain Thrust Using Fluid Inclusion and Microstructural Analysis
Spatial Variability of Sediment Delivery in the Sandusky River Watershed, Ohio
Variation in Trace Metal Concentrations in a Fluvial Environment
Application of Remote Sensing for Gold Exploration in the Nuba Mountains, Sudan
Evaluation of Ground-Penetrating Radar for Location Solution Cavities Overlain by Clay-Rich Soils
Historical Changes in the Geomorphology of the Ottawa River (NW Ohio, USA) Due to Urbanization and Land Clearance

Undergraduate Geology Majors Graduated in 2010

BEVERLY COLE
GREGORY MYERS
TONY SPRATT

Class Notes

DAVID CLOUSE | B.S. 1952
is a retired Volunteer and Tour Guide of the National Museum of The Air Force.

MIKE CONKLIN | M.S. 1987
is a part time lecturer for the University of Akron and Kent State.

ALAN COULSON
is currently a visiting instructor, teaching Physical Geology and Environment Science at Furman University.

MATTHEW PESCI | M.S. 2000
is currently a Senior Geologist for Parson and is the field team leader for environment investigations and clean ups.

WILLIAM WOHLER
is a retired exploration geophysicist for Shell and Murphy Oil.
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.

PAT WILHELM
Departmental Secretary

It is hard to believe another 365 are history. Just as I thought I had the purchasing system mastered, a new online program was implemented with the start of the new academic year. Not to be outdone, our financial system will be upgraded this summer, which is going to totally change how we track all of our budgets. I figure with the three year change cycle they seem to be on I am in for two more changes after this.

No new grandbabies this year 😞, looks like we are on hold with seven for now. No major trips in 2010; we did visit the zoo on several occasions and spent a twelve hour day at Cedar Point in early September for Hallowed Weekends; the young’ins were ready for “one more ride” even as we were being ushered out the gates but were asleep in the cars before we left the parking lot. In December we took the short drive to Toledo to see Disney on Ice, there isn’t anything that Mouse can’t do (another trip to see Mickey and the gang planned for 2012). Once in awhile I do go out without the grandkids. I am as everyone here knows Nuts for the Bucks! I was thrilled when I got to attend a game at the Shoe this year and see the “vest” conducting from the sideline. I am usually not a very lucky person but I did win tickets to see the Trans-Siberian Orchestra Christmas performance at the Huntington Center in Toledo, all I can say is “WOW”. If you ever get the chance I highly recommend experiencing their show at least once. It may take a day or so for your hearing to return to normal but totally worth it. As I write this we have a winter storm warning, I am more than ready for the warm weather to return. It will as usual be a busy spring with five playing ball this year.

BILL BUTCHER
Staff Geologist

I must have had a truly productive and meaningful 34th year at the Geology Department “helpdesk”. My Green Bay Packers won the Super Bowl! While I probably cannot take (all) the credit for that, I can claim some victories for the Geology Department. In particular, I have been able to acquire and configure 17 new computers for the Overman teaching/research labs. These computers run ArcGIS, ERDAS/Ermapper, etc. MUCH faster! Now research that used to take years to complete will probably still take years to complete, but it will seem like the time passed much faster. Students love when that happens! OK… that’s enough babbling for one year. Time to get back to work. Oops! Almost forgot. I got on the TV once this year. WTOL was looking for someone to explain about the earthquakes in Haiti and Chile. When they couldn’t find a real seismologist, they drafted me. I’ve had my “15 minutes of fame”. Can’t wait to see what happens next year. Have a good one everybody!

SENTHIL YUVARAJ
Instructor

Greetings! Year 2010 was eventful and memorable for me. There were a lot of transitions in my life. I defended my Master’s thesis in September and was exploring different options to embark my professional career. There was a phase of two months filled with anxious moments after my defense. I was finally offered an internship position with Anadarko
Petroleum Corporation starting in May 2011. I hope to convert this internship offer into a full-time opportunity.

One of the important transitions is becoming an instructor in the department. I am now teaching Geol 1000. Teaching 90 students has been quite an experience so far. I hope to build on my teaching abilities and my communication skills through this.

I am also working for Dr. Vincent as research assistant, looking at properties of methane clathrates and possible threats due to destabilization of methane clathrates.

Last year was also when I had a chance to explore U.S. Geology by being a teaching assistant for GeoJourney. It was a mind-boggling experience to look at different geology all over the country and to teach in the field.

I would also take this opportunity to thank all the faculties, staffs, and students in the department for all their support.

---

GEOLOGISTS AT WORK

**STRUCTURAL GEOLOGY FIELD TRIP**

An anticline at Roundtop, MD

The whole gang at Sideling Hill, MD

So this is what a fold looks like!

Up close and personal with the rocks

Tony Sprat asks the outcrop gnome for help

Stephen Hendricks waits for an oncoming train
GEOLOGISTS AT WORK

GEOJOURNEY

3000 year old celt from Wood County, Ohio demonstrates that “primitive tools” aren’t so primitive after all. The Archaic celt is being used here by BGSU GeoJourney students to butcher a bison as part of their coursework learning about Plains Indians and their dependence on the American buffalo.

Studying the hot springs, Yellowstone

Laying down glacial striations in Yosemite

Investigating tidal pools at Point Reyes

All ready to jump in Crater Lake
Devin, Ina and Steven working at Lime Creek

A day off at Mesa Verde National Park

Hanging out at Tenario Ranch, New Mexico

Can you teach me how to make a geologic map?

Jeff and Kurt telling everyone how it’s done

Field camp participants atop an ancient hot spring deposit (tufa) at Milpas Fold, New Mexico

The gang hiking near Monarch Pass. This is what we do on our day off!