



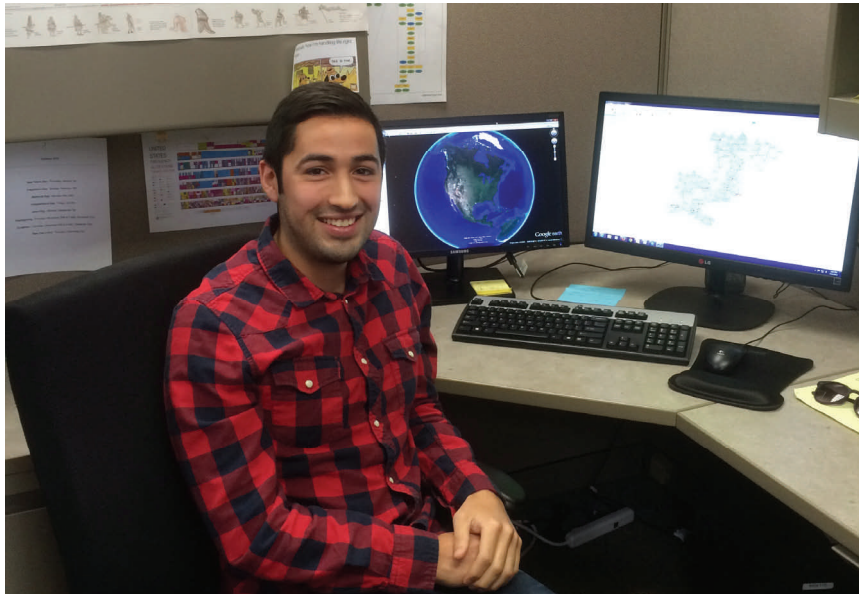
DEPARTMENT OF GEOLOGY/GEOGRAPHY
ANNUAL NEWSLETTER
2015-2016



WELCOME
PRESIDENT DAVID GLASSMAN



Danny White doing research at the Falls of the Ohio in conjunction with Jeremy Wells and Katie Lewandowski (neither pictured).



Andrew Gonzales, '14, at his desk working after giving the GTU folks a tour while they were in Chicago for the annual national meeting.

Message from the Chair



Mike Cornebise, Ph.D., Professor of Geography, and Chair

Another year has passed us by and it's been an eventful one. We have definitely had to face some challenges, but the department and university continue to move forward. Many of you have heard the news that due to an overall decline in enrollment and a reduction in state funding for higher education, EIU was forced to tighten its belt which resulted in some layoffs of key personnel across campus. It should be noted that the layoffs were in no way performance-based and rather were carried out for purely financial reasons. In the G/G Department, some of our Unit B (non-tenure track) colleagues learned at various times that their contracts would not be renewed. Brett Anderson was not retained for Fall, '15, and Steve Dinaso's and Cameron Craig's contracts are slated to expire at the end of the present academic year. Civil service positions were also eliminated, and Susan Kile recently began splitting time as office manager of Physics and G/G. We are working to have those

positions reinstated, but meanwhile we'll continue to offer our usual high quality programs and make readjustments to our curriculum as necessary. It has not been all bad news; however. Freshmen enrollment is up 2% and graduate enrollments have also increased. Our Admissions Office is working hard to bring in top quality students, and I believe we'll continue forward progress in the area of student recruitment which will stabilize our enrollments.

In addition to the loss of the Unit B personnel, Dr. Belayet Khan announced that he will retire at the end of Fall '15. After close to 30 years at EIU, Dr. Khan has impacted countless students both on- and off-campus, and we wish him well as he moves on to other pursuits. Dr. Khan is interested in offering occasional classes through the Office of Continuing Education, so we're happy that he'll continue to impart his knowledge to EIU students. Please send him your well wishes when you get the chance: bhkhaneiu.edu. If you'd like to reach out to those who have been or will be impacted by personnel cuts, I'm sure they'd be happy to hear from you as well. Brett Anderson: wbanderson@eiu.edu, Cameron Craig: cdcraig@eiu.edu, Steve Dinaso: sdinaso@eiu.edu and Susan Kile: skkile@eiu.edu.

As I noted earlier, we hope we'll be able to reinstate those positions and get Susan back to full time in our department.

We continue to upgrade our facilities in the Physical Sciences building. Room 1060, the Geology lecture/lab space on the first floor, was renovated over the summer, leading to a more functional and attractive space. We also have plans to renovate the classroom and lab space on the north end of the 2nd floor over the next year or so.

As you know from past newsletters, you find excellent news in the following entries that detail the great work being carried out by the faculty, staff and students of the Geology/Geography Department. Our faculty continue to excel in the areas of teaching, research and service and are busy preparing another excellent crop of EIU Geology/Geography Alumni.

Let me close with an open invitation for a campus and department visit. We would especially love to see you at EIU Homecoming weekend this year (Oct 23—25, 2015); please stop by the College of Sciences hot dog giveaway at Tent City.

Best wish, and please drop us a line and let us know how you're doing!

Message from the Dean



Harold Ornes, Ph.D., Dean, College of Sciences

Hello from the Castle. There have been so many changes in such a short period of time it would be hard to recite each event. So I won't try. A few changes, however, should be noted. The Dean's Office now has Felicia Magee Office Manager; Angie Rhoads Assistant to the Dean for Administrative Affairs; and Sherri Arnholt, Assistant to the Dean for Student Affairs. Mark Johnson and Jong Kim (CATS employees) continue to have some assigned duties to the COS. Please call or email at any time for assistance. Your own office services have been consolidated with those of the Department of Physics. We beg your indulgence as we work through this difficult period of adjustment. We are confident

that your Office Manager, working with Chairs in Physics and G-G, will be able to manage both Departments.

The Department of Geology/Geography students and faculty continue to function at high levels. It is wonderful to see new curricula such as Human Geography and

Environmental/Physical Geography options take shape. Additionally, the PSM designation for the GIS program is nearing completion. There have also been improvements in the physical surroundings in your building. We hope the newly renovated spaces will inspire both faculty and students. Perhaps the newest development relates to the use of 3D printers in G-G and across campus. All these things are valuable contributions to our campus and, on behalf of the Dean's Office, we wish you the greatest success for the coming year.

Last, but not least, I know you join me in celebrating the achievements of Dr. Cornebis as he completes this final year as Chairperson. A job well done. Thank you, Mike.



Geology majors created their own cross-country field trip this past summer, travelling to Oregon, Colorado and other places along the way. Dr. Craig Chesner was going to be on the west coast at the same time and agreed to give the students a field trip to see Mt. St. Helens, the site of 1980 lateral blast volcanic eruption that devastated most of that park and caused a large ash plume that carried as far east as Wisconsin and as far south as the top of New Mexico and parts of Oklahoma.. Pictured above (l—r) are Dr. Chesner, Amanda Lupardis, Patrick Manselle and a friend of Craig's at Loowit Falls.

Alumni Spotlight: Mike Skridulis, '05

The summer of 2015 marked the 10 year anniversary of my graduation from the Eastern Illinois Geology Department. Looking back, it seems like such a short time ago. It is funny the sort of reckless naivety some of us have while we go through school, and by some of us I mean myself. We think “No problem, I will be able to apply all of this to some sort of job when I receive my degree.” Then we enter into the real world and panic. But truthfully, if not for my time at EIU, I can’t really say if I would have had the same successes I have had to this day. The professors, the classes offered, field trips, classmates, and opportunities to take part in projects what I considered “fun,” unbeknownst to me, really shaped me into a great scientist. And it really was fun – come on, we’re geologists, we can make anything fun.



Mike Skridulis with one of his loves...nature! Here is his shown hiking in Colorado and taking in some of the beautiful scenery as well as wonderful rocks of the Rocky Mountains.

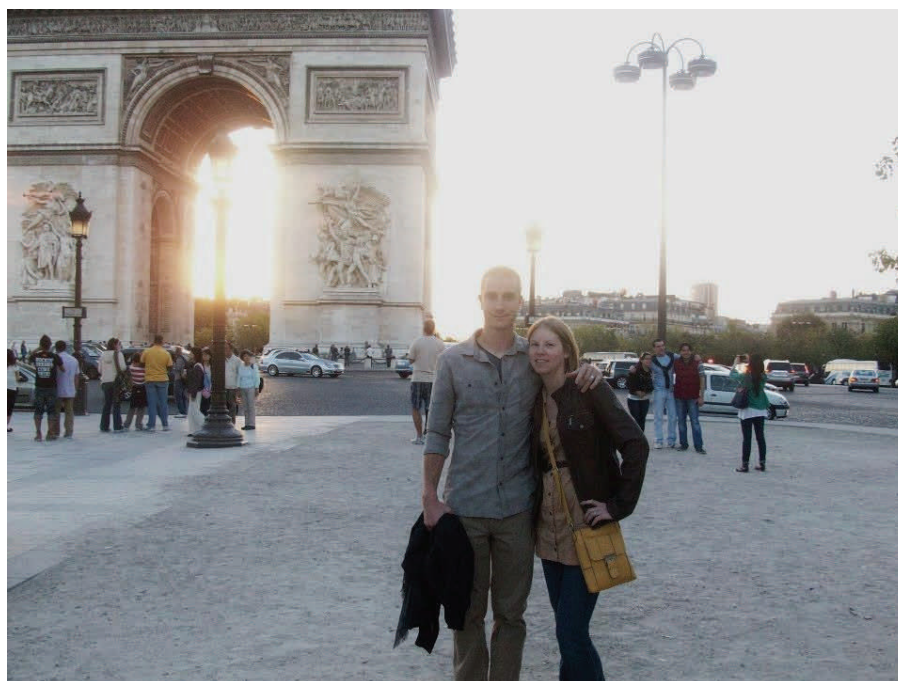
I currently live in Westminster, Colorado and have loved every minute of it since I decided to move out to this area in 2007. I started my career in Environmental Consulting in the Chicago area immediately after graduating from EIU in the summer of 2005. Through hard work and persistence in learning the industry, I am now a Project Manager for Terracon Consultants in Denver, Colorado. I always wondered, while enrolled in the classes, why I enjoyed Vince’s field methods and geomorphology teachings so much. Why I loved Structure and Sedimentology and wished I could keep doing Craig’s field camp forever. Well, now I get to...

I currently manage over 4 million dollars in environmental projects ranging from

small scale property investigations to identify contaminated soil and groundwater, to active environmental remediation of petroleum releases, landfill reclamation, and remediation of heavy metals and solvent issues across the state of Colorado. With my career I have traveled all over the US and to several foreign countries. Every day I get to use what I learned with my time at EIU. I get to identify lithology all over Colorado, identify environmental impacts from different sources, develop and design remedial processes, work with the latest technology, and help clean-up and keep clean the area where I love to be. Yes, I still have to do math, but I get to hire engineers to do most of it.

I am married to the love of my life, Jill Skridulis, and have recently welcomed a new baby girl into my life, Olivia Mae. I think hard work and persistence in doing what you love can open endless opportunities. Now I have plenty of time to play in the mountains and be with the people and friends I love while performing a challenging job and complex job that always keeps me on my toes. Oh, and I get to brew beer every other weekend! Like I said...Geologist.

“Geology, because Engineers need heroes too.” - Unknown



Mike with one of the other loves of his life—his wife, Jill. Here they are enjoying a wonderful trip to Paris.

Student Activities

Geology Program:

Geology Clubs – Sigma Gamma Epsilon/Gamma Chi, American Institute of Professional Geologists student chapter, Geoscience Club

As for the past year or so, there are now three Geology clubs. There is the general Geoscience Club, which is open to all who have an interest in the Earth. Recently, that has meant that members include students from Physics, History, English and more. There is also the AIPG chapter, which is the student chapter of the American Institute of Professional Geologists. This chapter gives our majors an inroad/networking opportunity to industry. We have hosted a couple of AIPG members for colloquium talks to help introduce and solidify this connection. Going forward, we will continue to mine this resource in order to help EIU students get connected. Last, there is the SGE student chapter, Gamma Chi. Paraphrasing from “Seabiscuit,” the movie – we are small, but we are mighty. There is an annual award given by the national office for chapters which exemplify what is considered exemplary achievements – the Outstanding Student Chapter award. Of the 153 SGE chapters, including Brown University, Colorado School of Mines, DePauw, Johns Hopkins and other prestigious institutions, EIU is the only student chapter to have been awarded this five times. BEST. IN. NATION. YET AGAIN.....

The clubs have been raising money, doing service and having fun. Last year had the clubs selling stuff at a Christmas bazaar, at on campus events and the like. Students volunteered hours at Habitat for Humanity, C.A.R.E. (the local animal shelter), local clinics as well as making contributions to Operation Gratitude, a web-based organization which collects items for giving to our military in the form of care packages. Additionally, the clubs ran trips to museums in southern IL, camping in Garden of the Gods, fluorite hunting and fossil hunting. We try to balance service, fundraising and fun to make all combine into rewarding experiences for all.

Geography Program:

Geography clubs – Gamma Theta Upsilon/Rho Chapter, Geography Club

Gamma Theta Upsilon has had a busy year. Thanks to the expert leadership of Daniel Stadler and John Schield, we had a full schedule all year long. From dumpster dives (to benefit the recycling program) to reading Dr. Suess with preschoolers (good job Dan!), we participated in many community activities. As usual, the club sponsored the departmental Last Suppers for graduating students,

with fantastic attendance. Additionally, we brought three of our best students to the annual Association of American Geographers conference in Chicago last Spring where they had the opportunity to attend sessions and network. On the way home, we took a detour to visit with two of our recent graduates, Coy Potts and Andrew Gonzales. The two are employed by Extenet systems and graciously gave us a tour of their facilities. Way to make us proud, guys!

I must communicate a bit of sad news, however. Dr. Belayet Khan is retiring after many dedicated years of support and sponsorship for GTU. The meetings and dinners won't be the same without him. Thankfully Belayet will still be teaching for the department on a limited basis, but he will certainly be sorely missed across the breadth of GTU activities. Thanks, Belayet for your dedicated service and always-generous spirit!

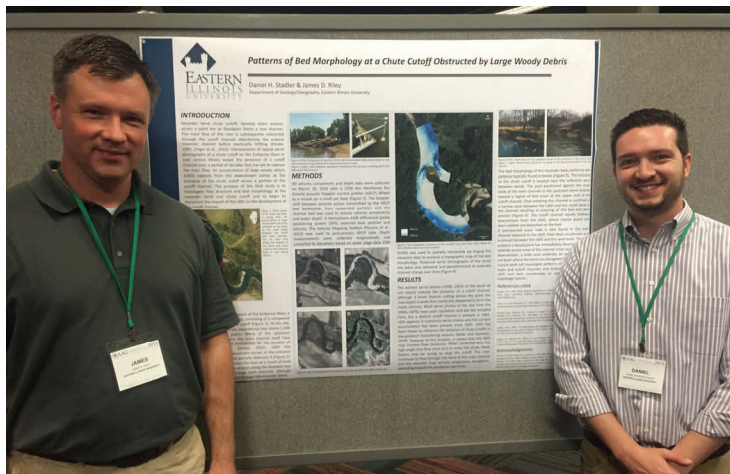
Even as Belayet steps down from GTU, we would like to welcome Dr. Jim Davis on as a new co-sponsor (with the continuing Dr. Viertel). Jim is enthusiastic to be moving into this role. The 2015-2016 academic year promises great things as Daniel Finley and John Sarvela take over leadership with vision and purpose. Great things lie ahead!



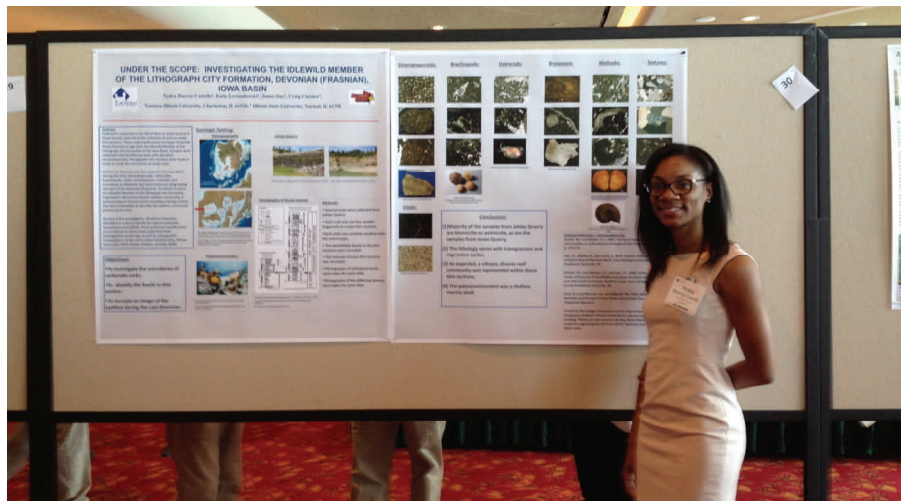
One of the activities in which the Geology Clubs engage is creating and presenting educational programs geared towards 5th and 6th grade school children at the Charleston Public Library. These after school programs—like the fossil hunting one shown—help spark interest in science.

Students Presenting Their Research

Students working with faculty on their various research projects are highly encouraged to seek financial support through the COS, Department and more and take their results to the sectional and national meetings of our societies. While we do not have pictures of all of the students who presented this last year, here are a couple of our outstanding students and their proud moments of accomplishment:



Daniel Stadler (right) presenting his and James Riley's (left) poster at the Annual Meeting of the Association of American Geographers on April 23, 2015 in Chicago, IL.



Nydra Harvey-Costello presenting her research at the Geological Society of America Section meeting in Madison, WI with Dr. Katie Lewandowski (not pictured).

Fun Feature—the Pemberton Ghost!



Pemberton Hall

This feature has been excerpted from an article by Michael Kleen, “The Legend of Pemberton Hall” (Rockford: By the author, 2014).

The legend of Eastern Illinois University’s Pemberton Hall is, by far, the most famous ghost story to come out of Coles County. It has been passed down by generations of young women at EIU and has appeared in dozens of books. One night, it is

said, a deranged janitor attacked and killed a student on the fourth floor. Her ghost, or the ghost of the dorm mother who discovered her body, now haunts the hall.

In 1907, the Appropriations Committee of the State legislature passed a bill to provide \$100,000 to build a women’s dormitory at Eastern IL State Normal School. The first dorm director for Pemberton Hall was the now infamous Mary Hawkins, who served in that position from 1910 to 1917. She was thought to be very strict and would not allow “her girls” to go to social functions without a chaperone. During the early half of the twentieth century, women attending the college and staying in Pemberton Hall would, in addition to their classes, learn basic housekeeping skills and serve dinner to the college deans on some occasions. They were not allowed outside after 7:30pm on weekdays and 10pm on weekends. Mary Hawkins personally doled out punishment for any infraction until she left the college in 1917. Ironically, Miss Hawkins died on October 29, 1918 at the Kankakee State Mental Hospital a year after leaving her position as “Dorm Mother” from complications stemming from syphilis.

Storytellers allege that the murder in Pemberton Hall took place during World War 1 when the college’s newspaper was published sporadically to conserve materials for the war effort. Consequently, there was no issue from the weeks in question, leading some to suggest a conspiracy to cover up the murder. The current consensus is that this event took place over winter break either in 1916 or 1917, but there is some disagreement. There are also several versions of the story. In one

version, Mary Hawkins was the name of the unfortunate student, and her ghost is similar to a banshee, scratching at doors and leaving behind bloody footprints. In the version told by the staff at Pemberton Hall, Mary was the Dorm Mother at the time of the murder, and her ghost has come back to look after and protect the girls at Pem Hall for all eternity.

One of the earliest articles in the Eastern News concerning the ghost of Pemberton Hall was written by Karen Knupp in October of 1976. The story, she wrote, had been told for “years and years,” and was handed down from veteran Pem Hall residents to incoming freshmen. Some of the eerie encounters she chronicled included a girl who saw a light emanating from one of the windows on the fourth floor, a resident assistant who found that the lounge furniture rearranged itself, and a strange encounter with a girl in a white gown who went around asking for safety pins before she disappeared. Karen noted that some residents had celebrated their unique heritage by holding a “Mary Hawkins Day” the previous spring.

Over the years, Pemberton Hall has opened its doors—and the notorious fourth floor—around Halloween in an effort to capitalize on the story. According to an October 27, 1978 Eastern News article, the tradition of turning Pem Hall into a haunted house dates back to the early 1970s. In 1984, William M. Michael, a writer for the Decatur Herald, spent the night in the fourth floor piano room. Needless to say, he reported no encounters with the ghost or anything unusual. Pemberton Hall resumed its haunted house in 1997, complete with an actress playing the X-Files theme on the fourth floor piano.

Despite an unsubstantiated claim by Elizabeth Raichle in a Daily Eastern News article from October 1993, there is no evidence that a death ever occurred in Pemberton Hall at any time, let alone in 1916 or 1917. However, there is no evidence that this fact will stop the story from continuing to be told, passed on, and personalized for generations of Pem-ites to come. From doors that lock themselves, to strange electrical behavior, to unusual sounds that emanate from the fourth floor, the ghost of Mary Hawkins will always be with us.

**Pemberton Hall
Halloween party,
October 1911.**



In Memorium....



It is with great sadness that we report that Vincent Peter Gutowski, age 70, passed away on Monday, October 5, 2015 at Carle Foundation Hospital in Urbana.

Vince was born Feb. 1, 1945 in Jersey City, NJ, a son of the late Chester L. and Frances (Panzini) Gutowski. He grew up in Pittsburgh, PA, graduating from South Catholic High School in 1962. He met Pamela Maedl in Panama while serving with the United States Navy, and they were married July 21, 1971 in CA. He attended CA State University, Northridge, earning a B.A. in 1974 and an M.A. in 1977. He earned his Ph.D. in 1987 at the University of Pittsburgh and taught at EIU from 1983 until 2010. During his career at Eastern, Vince received numerous University awards for his teaching, research and service, and with each opportunity, he sought to give credit to those professors who provided such valued mentoring.

Vince followed the example of excellence provided by former teachers and always tried to encourage his students to do more than take classes. He not only encouraged students to do research, he led by example by being there for them each step



Vince taking a picture of GTU students on the annual GTU Spring Break trip in 2010. Vince loved taking students into the field, and he was involved in these trips well after retirement.

of the way, showing the importance of participating and contributing to each meeting, social gathering and field trip. He made his students aware of their importance and thrived on guiding those who had a zeal for learning. His appreciation for student scholarship at the undergraduate level allowed him to successfully steer many into graduate school. Vince's students were granted the benefit of any doubt and he sought to be their friend, confidant and greatest advocate, while approaching his duties in a laid-back, yet academically responsible manner.

Vince is survived by Pam, his loving and devoted wife of 44 years; three children, Jennifer Gutowski of Los Angeles, CA, Carl (Valeria) Gutowski of Elmhurst, IL, and Frank (Brenda) Gutowski of Downers Grove, IL; grandchildren Max, Miriam, Tessa and Joseph; two brothers, Frank (Cynthia) Gutowski of Pittsburgh, PA and Robert (Madelyn) Gutowski of Philadelphia, PA; a sister, Bernice (Ray) Budd of Pittsburgh; along with several nieces and nephews and their families.

Vince enjoyed golfing but his favorite pastime was spending time on the property they own located along Kickapoo Creek. Many fond hours were spent planting and tending to thousands of trees. His dedication to his family was the driving force in all that he did, and his love and commitment to them was unquestionable. Vince was a knowledgeable individual who was highly respected and regarded by family, friends and colleagues, and he will truly be missed. If you wish, donations in his honor can be made to the EIU Foundation, directed to the Vincent P. and Pamela R. Gutowski Fund.



Vince in Metropolis, IL clowning around with Superman, on a recent Spring Break trip to Garden of the Gods and Mammoth Cave.

Faculty/Staff/Support Personnel

Diane Burns

Another year...time certainly flies! There are a LOT of changes going on campus-wide, but I truly think the new president has the right idea and is doing what needs to be done. We are reconfiguring to make a better university, something that was long overdue. We have a solid geology program and our majors get jobs – one of the better on campus. I am proud of our graduates – of the ones who have actively sought geology jobs or graduate school positions, 100% have succeeded. Few programs – if any – can make this claim, either at EIU or in other universities.

I have recently been elected the regional Vice President of Sigma Gamma Epsilon, the national geology honors society. We are working towards making more scholarships available to deserving students as well as supporting efforts to promote student research. Our department's connections with this organization are strong and have led to many unique opportunities for our students; most recently, one student was selected as a delegate to attend their national convention with all expenses paid by SGE. He presented a recap of our activities over the last three years since the last convention and helped shape future policies for SGE.

Research includes an ongoing effort to investigate the changes to landownership along meandering rivers in collaboration with David Viertel. This is proving to serve as flag to homeowners that they have been charged incorrect real estate taxes for many years. Parcels that have been designated as certain acreage and charged accordingly are actually quite different in size – up to two or three acres different. Landowners can be paying substantial amounts more than they should; the ramifications are significant. Other research projects involve incorporating 3D printing as a research tool. One student, Dan Finley, is using my newly acquired 3D printer (thanks, Redden Grants!!) to model fluid flow and depositional aspects of MVP deposits. Dan will be taking his research to Baltimore, MD to present his results at the annual GSA meeting this coming November.

In more personal news, I have now moved to Charleston. Yes, the LONG commute from Mattoon was so draining...seriously, it is only 12 miles, but...That being so, it is really nice to be in a dream house and only a 5 minute drive to work. Jasper, my dog, is absolutely loving life – three huge oak trees filled with acorns (and, thus, SQUIRRELS) – he is one happy camper.

Last but not least, thanks to Mike Cornebise for heading our department over the last six years in such an admirable fashion. There were some tough decisions that needed to be made, but you handled it all with fairness, respect and aplomb—hats off to you, Mike, for serving us so well!

Craig Chesner

Hello alumni. In case you were wondering, although EIU enrollment has dropped significantly over the past several years, the Geology enrollment has been stable, so we are still here, doing our best to prepare the next generation of Geologists. Some recent facelifts and upgrades that might interest you include a remodeling job (complete with new desks and cabinets) of room 1060 where you endured most of your Geology lecture courses. Yes the “chalk-board” is still there, if it wasn’t, neither would I. The Microscopy lab continues to add new petrographic microscopes and this year will upgrade the video-microscopy system with a new camera and a 48” flat screen monitor. My research on Toba steadily progresses and included another field season last summer mapping and sampling Toba’s resurgent dome with assistance from distinguished alumni. A short side trip to Sinabung volcano, just north of Toba, was rewarded with awesome views of pyroclastic flows (nuée ardentes) descending the flank from a summit lava dome. Upon my return, a few students and I also made a return trip to Mount St. Helens and the Oregon Cascades to honor an old geology buddy of mine. I wish you all continued success and look forward to your updates.

Mike Cornebise

I hope our newsletter finds you all well. While I’m entering my sixth year as Chair of the Geology/Geography Department, I’ve decided to step down from the position on June 30th and turn over the reins to someone else. I look forward to returning full time to the classroom and to my research. I’ve greatly enjoyed my time as Chair and one of the great points of satisfaction has been tracking the progress of our students and alumni. Our kids Sam (12) and Sofia (10) keep Roxanne and me busy with their involvement in sports (baseball, golf) and music. I continue to play disc (Frisbee) golf when I get the chance: if you’re in the area and want to play a round, let me know!

Cameron Craig

Salutations! It has been a very busy year in the department, and I am most grateful to still be teaching alongside my fine colleagues. I continue to work with my broadcast meteorology students in the department and at WEIU-TV preparing them for the professional world. My students and I continue to work on documentary films and have recently started filming the concerts for the Department of Music here on campus. The educational benefits are overwhelming, and the students certainly get a chance to grab some culture. I have recently returned to my original passion of music by working toward a Master of Arts in Orchestral Conducting while teaching my usual courses in my home department. It is a challenge because it definitely keeps me out of any trouble! As always, keep in touch with us and shoot us a line of how you are doing! We would enjoy hearing from you, our successful alumni! We are EIU!

Jim Davis

Greetings Alumni! This fall is the beginning of my 13th year here at Eastern. I continue to teach many of our large sections of Cultural Geography and Weather/Climate in addition to my upper level electives in Economic Geography, Europe, and Sports Geography. I also continue to conduct research on Sports Geography and recently presented a poster on the Geography of NCAA Wrestling at the AAG meeting in Chicago last April. This fall I have also began co-advising GTU with Dave Viertel, and I'm looking forward to working with this group. The faculty also looks forward to another year of victories in the Faculty/Student softball game and bowling match. This will be my 5th year serving as the NCAA Faculty Athletics Representative for Eastern Illinois University. This has kept me very busy, serving on multiple search committees for new head coaches and trips to Nashville for OVC meetings. When I am not in the Physical Science Building, I can often be found at the athletics complex. Finally, all of my time away from work is spent travelling with my two daughters and their sports teams. Amanda turns 14 in a week, and Emily is 10. Both keep us very busy with softball, basketball, soccer, and golf. I hope you all are doing well and look forward to seeing many of you at Homecoming!

Steve Di Naso

Hello fellow EIU Alumni... Hope all of you are doing well and are enjoying life in general! I caught up with many of you this past year at conferences and what not, and it's always nice to hear how you're doing, and know what you're up to...a few tid bits from this year...

Vince Gutowski and I took yet another trip to the American Southwest this past summer in our ongoing pursuit of providing students with uniquely integrative and interdisciplinary learning opportunities. As always, we had a diverse group of students, and this year was no different - we had participation with students from EIU Geology & Geography, Parkland Community College, and Kaskaskia College. Our studies focused largely on geodesy, geomatics, Applied GISci, and precision field survey techniques, and of course, we consistently integrated geology, and physical and cultural geography along the way! Another trip is planned for summer 2016. This year will mark my twenty-sixth year accompanying 'the old man' to the Four Corners Region of the U.S., and I intend on continuing the tradition in the same capacity, and with the greatest enthusiasm for our craft, as I have in the previous twenty-five! As with previous years, I continue to mentor students in various internship opportunities I've secured through contractual agreements, internal grants, and external research funds. This past year I worked with eight GEG interns, and several of these became pathways to full-time positions - one in the private sector, and two positions in local government. Since my full-time commitment to EIU twelve years ago, I continue to offer GISci expertise, training, and support, for our EIU faculty and our undergraduate and graduate students, and continue to teach core courses in GISci in our department.

Vince and I purchased the department's first UAV (drone) and have been using it regularly on nearly all of our field-mapping projects. We developed a method which allows us to tether our remotely sensed imagery to the landscape using precision GPS methods and to accuracies on the order of centimeters! It's revolutionized much of the work we do near and far, including our ongoing research spanning the past two decades at Lake Charleston and areas along the Embarras River. I pursued numerous field-oriented, and student-mentored research initiatives this past year, most of them related to archaeometry, geochemistry, forensic GISci, and subsurface exploratory endeavors of various kinds. We published in both peer-reviewed, and traditional publications, made CNN and Fox News, and even appeared on the cover of the Chicago Tribune...In all, it was a great year working with our students. As a PhD candidate, I'm *finally* wrapping up my dissertation work in southeastern Utah and will graduate next semester. Woo Hoo! I know, bout' time, right? I AM EIU! Ciao...S.M.D.

Belayet Khan

I started teaching in the Department of Geology/Geography at Eastern Illinois University in 1986, and I have decided to retire at the end of fall 2015. I have spent a major part of my life so far at this university, and my family has grown up here. I must admit, I have enjoyed every bit of my time teaching and interacting with students at this great institution. While I have taught a variety of classes and workshops and given seminars over the past thirty years at Eastern, I have also learned from those with whom I have interacted with both professionally and on a personal basis. I am certainly thankful to all my colleagues in the department and at the university for their friendship and professional support. Eastern is truly a wonderful place, and Charleston is our family's hometown. At this time we have no plans to move elsewhere. While I will be retired after this year, I will be around to help our students and likely teach some classes on a part-time basis. In addition, I intend to teach classes for the off-campus program. I greatly enjoy teaching, and it is always a pleasure for me to interact with students both inside and outside of the classroom. I will also continue to conduct research concentrating on climate variability and weather anomalies with special emphasis on South Asia. My service involvement in the department and the university continues. I have given several invited guest lectures on campus in the past year and have been invited to give additional talks this year. Presently, I am in the process of organizing the National Geography Awareness Week for November 2015 and intend to invite outside speakers to the department.

As I mentioned before, Charleston is my family's home. We also enjoy traveling and have visited several countries over the years. By the grace of the God, our three children are doing well, and they remain busy with their academic and professional responsibilities. Our older daughter is employed as a financial advisor for Edward Jones Investments in Indiana. Our younger daughter is serving as chief

resident physician for the Department of Emergency Medicine at Emory University School of Medicine. After graduating from Northwestern University with a bachelor's degree in Biological Sciences (Genetics/Molecular Biology) our twenty-one-year-old son has just begun medical school at Rush Medical College in Chicago. While we are in pursuit of our own work, my wife puts her efforts to take care of us as a homemaker, supporter, and decision-maker. We would certainly be lost without her guidance and caring.

Barry Kronenfeld

As I begin my 5th year at EIU, I'm heartened by the quality and motivation of our students, young and old. The past year has been busy as ever. One of the first activities of the year was to create a new web page for the GIScience Center (check us out at eiu.edu/gisci). Under the auspices of the GIScience Center, I also organized a workshop in the spring for faculty around the university to discuss the use of GIS in the classroom, with engaging presentations by several faculty including Dr. Viertel and Dr. Laingen.

I had several research publications come out this year including studies of presettlement land survey records in Minnesota, timber harvesting in West Virginia and the spatial pattern of crime in Spokane, WA. Recently, I've become increasingly interested in maps of human activity, and have been developing tools that students can use in the classroom to map social media and construct cartograms. Greg Weber, a student in the PSM program in GIScience, worked with me to improve a Python Twitter mapping tool and presented his results at the Illinois GIS Association annual meeting in Springfield just last week. Outside of the office, my wife and I enjoyed a vacation to Montreal, Canada this past summer. We were impressed by the beauty of the city and reminded of the diversity of cultures and languages on this continent.

Chris Laingen

Fall 2015 marks the beginning of my seventh year at EIU. This past year I successfully earned tenure and promotion to the rank of associate professor, I gave conference presentations in Atlanta, GA and Chicago, IL, I authored peer-reviewed journal articles, a book chapter, and a soon-to-be finished co-authored book project on the geography of farming and food production.

Courses I taught this past year include: Weather & Climate, The Natural Environment, Regional Geography of U.S. & Canada, Natural Resource Conservation, Agricultural Geography, The Geography of Illinois (online), and the practicum for the M.S. in Sustainable Energy degree. I also led the revision of the geography program's major and minors.

In addition to conference travel, I also spent time in the Black Hills of South Dakota and enjoyed a summer trip to France.

Katherine Lewandowski

Greetings Alumni! The beginning of a new school year is always exciting! What news do I have for this year? Well, Nydra Harvey-Costello conducted independent research with me over the last two years, learning to make and to look at thin sections from Devonian rocks we collected from the Iowa Basin. She graduated this past summer after field camp. She did a wonderful job presenting her research as a poster at the North-Central Geological Society of America meeting this past May in Madison, WI. Another student of mine presented at that meeting, as well. Sara Hughes worked with me as an M.S.N.S. student, graduating in the summer of 2014. Her research focused on paleocirculation changes in the Southern Indian Ocean during the Pleistocene, using benthic foraminiferal population studies. Jeremy Wells and Danny White also worked with me last year on independent research. We spent some time in the field measuring orientation of horn corals at The Falls of the Ohio State Park in Clarksville, IN to analyze paleocurrents. They hadn't finished their analysis by the time we had to submit abstracts, so weren't able to present it at a meeting this past spring.

Things are stressful on the science teacher certification front. The dreaded edTPA is now required for our student teachers to complete and pass in order to get an Illinois teacher license. The current student teachers are worried. They are a good group, though, so I think they will be ok. The good news is, there seem to be jobs available for students who successfully complete their degree and teacher licensure in the science teacher certification program.

My husband and I always take a trip every summer. This year's trip was to Germany and France. We had a fantastic time and saw lots of great things. I also got to spend some time at the beach in Georgia, which I haven't been able to do in years. It was lovely and inspired me for teaching oceanography this semester!

James Riley

EAMUS CATULI!

Betty E. Smith

The past year has been fun and productive as I mark 20 years at Eastern, continuing to grow professionally and sharing my enthusiasm for geography in all of its many and varied forms. My research specialization is urban population analysis and Latin America. More recently I have been working on the historical geography and present condition of Ponderosa Way, an 800 mile Depression era and World War II era truck trail constructed in the Sierra Nevada Mountains of California. I enjoy the excitement of my lively and diverse students in Cultural Geography. This fall in Senior Seminar Spaceship Earth: The Present State of the Planet, we are reading and discussing the new 2015 book by Lester Brown called

“The Great Transition: Shifting from Fossil Fuels to Solar and Wind Energy.” In addition, I teach in my areas of expertise: Urban Geography, Land Use Planning, Geography and Culture of South America, and Geography and Culture of Mexico and Central America, all courses that I am now able to offer online to off campus students. Since coming to EIU in 1995, I have authored over 20 scholarly articles and presented papers at many national and international conferences. This past year was no exception.

In my spare time I am an amateur winemaker, purchasing juice online from brokers in New York and having it arrive by UPS on my doorstep in Charleston. How cool is that! Last spring I fermented and bottled an excellent Riesling made from sweet grapes from the Mosel Valley of Germany. My reds, which take a little longer to mature, included an Amarone from Italy and Cabernet Sauvignon from Lodi, CA. I am looking forward to trying out the reds over winter break. Also, I have taken time to enjoy some great art and music in Chicago and Los Angeles including the wonderful Riccardo Muti conducting the Chicago Symphony, the Art Institute of Chicago, the National Museum of Mexican Art in Chicago, the world class Joffrey Ballet performing in the Auditorium Theater in Chicago (a National Historic Landmark filled with golden hued wall mosaics and murals), the Ojai Music Festival (20th century lesser known composers) near Ventura, CA, and the Los Angeles Philharmonic at the Walt Disney Concert Hall. Art and music are becoming more a part of my life and are equally geographic as is wine.

So many things to discuss, I must stop here. I consider it an honor and a privilege to be a member the Department of Geology and Geography. Each year brings new opportunities to grow and enjoy my academic community at Eastern Illinois University. Thank you.

James Stratton

Another year already!!!! Time does pass faster as you grow older. It seems like such a short time ago, I entered my first year at Eastern Illinois University as the youngest faculty member (with hair down to my shoulders) of the Geology/Geography Department in 1975. Then, time flew and it was 2010. After serving in the Department for 35 years I felt it was time to retire (still have my hair, just not as long). Ironically, I retired as the oldest faculty member in the Department. Since then I have kept busy with consulting, research, flying, coal brokering, travel, agriculture, racing, and teaching.

I have now taught 41 years at Eastern and will be teaching again this year for the Department through the School of Continuing Education. I'm pretty sure that is the longest tenure in the history of the Department. It has been fun, always a challenge, and always rewarding. I am also still pursuing the elusive fenestrate bryozoan and its functional morphology while continuing to teach Oceanography every semester.

Recent Graduates & Award Recipients

The department wishes to extend a hearty congratulations to graduates from this past academic year. Welcome to our wonderful alumni family. The graduates are:

Fall 2014 Graduates

Dowd, Brian
Jones, George
Schutz, Patricia
Walbright, Brittany

Purcell, Rhonda
Schield, John
Stadler, Daniel
Woods, Grant

Spring 2015 Graduates

Bobal, Brandon
Bradley, Drew
Brandenburg, Tyler
Cerminara, Annie
Delucia, Dominic
Dixon, Jessica
Harp, Braden
Ponugumati, Anwesh

Summer 2015 Graduates

Gallagher, Cody
Harvey-Costello, Nydra L.
Kohler, Christopher M.
Lapp, Dennis Wesley
Odili, Daniel
Passarelli, Hayden
Robertson, Ryne Jordan
White, Daniel Robert
Zearing, John Daniel

Student Research

Students in the department completed a very active year in the area of research. Here is a list of their accomplishments:

Fall 2014 / Spring 2015 Department Research

Daniel Curtis, "Using Remote Sensing to Delineate Au-Placer Deposits in Alaska,"
Dr. Diane Burns and Dr. David Viertel, research mentors

Cody Gallagher, "Shifting Geographic Patterns of Middle America,"
Dr. Michael Cornebise, research mentor

Nydra Harvey-Costello, "Under the Scope: Lithograph City and Green River Formation,"
Dr. Katie Lewandowski, research mentor

Dominic Delucia, "Gridding ADCP Bathymetric Data of the Embarras River,"
Dr. Jim Riley, research mentor

Jessica Intraiva, "Tracking Large Woody Debris in a Low-Energy Meandering River,"
Dr. Jim Riley, research mentor

Jordan Knuth, "Mapping of the 'Tier Strip' on the Enceladus,"
Dr. John Stimac, research mentor

Ryne Robertson, “Investigation of Land Ownership along Cutoff Bends, the Little Wabash”
Dr. Diane Burns, research mentor

Daniel Stadler, “Patterns of Flow Structure and Bed Morphology at a Chute Cutoff
Obstructed by Large Woody Debris,”
Dr. Jim Riley research mentor

Melinda Swinford, “Geography Research on Grape and Wine Production, Northern CA,”
Dr. Betty Smith, research mentor

Jeremy Wells, “The Jeffersonville Limestone Exploration,”
Dr. Katie Lewandowski, research mentor

Jeremy Wells and Danny White, “Paleocurrent Analysis of the Jeffersonville Limestone
within the Coral Zone (Devonian) at Falls of the Ohio State Park, Clarksville, IN,”
Dr. Katie Lewandowski, research mentor

Student Awards—departmental

Dewey H. Amos Scholarship	Daniel White
Robert G. Buzzard Memorial Scholarship	Dominic Delucia
EIU Student Map Competition Award	Melinda Swinford
Geography Alumni Award	Carter Czerwinski
Geology Alumni Award	Nathan Schrock
Jon and Diana Giffin Geology Scholarship	Patrick Manselle
Vincent and Pamela Gutowski Award	Daniel Stadler
Ruby M. Harris Scholarship	John Schield
Wm. and Anna Crystal Markwell Meier Memorial	Annie Cerminara
	Lacey Clifton
Walter H. and Dorothea V. McDonald Scholarship	Zarek Nolan
Grace Markwell Meier Undergraduate Research Award, Geography	Jessica Intravaia
	Daniel Stadler
	Melinda Swinford
Errett/Mazie Warner Geology/Geography Award	Jordan Knuth
	John Sarvela
	Alicia Waller
	Jeremy Wells
Annie Weller Memorial Scholarship	Brian Hartman
Richard Wise– Lester Stoner	Rhonda Purcell
John George Wozencraft, Jr. Memorial Award	Jessica Intravaia
Troyt York Memorial Scholarship	Karl Horn

Student Awards/Recognition– External

Graduate School Research/Creativity Grant	Nathan Hardwick
Distinguished Graduate Student Award	Anwesh Ponugumati
Illinois Geographical Society Outstanding Senior Award	Daniel Stadler

What's Happening With You?

Craig Gripp, '10

“Things have been going pretty good I've been at doe run for 3 1/2 years now. I Got promoted to senior mine geologist about 6 months ago over both #29 and Buick. Still spend about 1/2 my time underground directing production drillers for grade control, mapping any features, and managing the underground diamond core drilling. Surface work involves a lot of short term planning, digitizing the underground geological mapping, and managing the surface diamond drilling program for #29 and Buick. Since I've been here #29 has received the small underground mine sentinels of safety award and Buick was awarded the large underground sentinels of safety award which is awarded by MSHA.”

Chris Smith, '12

“Things have been good for me. Oil prices are low, so hydrocarbons have been a slow business. I had a few ventures in southern Illinois mud logging and wells that have been put on hold, and I've started other local ventures (real estate, IT services) until prices go back up. I hope all is well with all of the EIU faculty!”

Kristina Pourtabib, '12

“Not much going on new with me, Still working on my PhD on structure, composition and optical properties of erionite!”

Josh Smith, '12

“Hey Diane! Hope you are doing well! This is in response to the post you tagged me in earlier today. Also, you can now reach me at jms44@indiana.edu, in case you or anyone else wants the info. I hope I can stop by sometime, considering I'm actually not that far away now! I finished up my MS at the University of Nevada, Reno in December, and I am currently trying to get that work published. One of the most exciting events during my time at UNR was our field trip to the Iberian Pyrite Belt in Spain and Portugal. From January to July, I worked as an exploration geologist in northern Nevada, where we were working up some targets for hydrothermal Au-Ag deposits. In August I started working on my Ph.D. at Indiana University, looking at the origin of sedimentary-hosted Ni-Cu massive sulfide deposits associated with the Mid-continent rift system. I am really excited about this project, because I now get to work in the same area where Doc took us for some of our first geology field trips to learn about the geology and ore deposits of the Mid-continent rift system! “

Brian Dowd, '14

“I was just hired to work at the IL State Geological Survey! I will be working both in the field and in the office, with about 20% of my time being spent outside collecting data as part of my duties.”

Support the Department

Would you like to help the Department in its mission of helping students learn about, and prepare for, a career in geology, geography, and the earth sciences?

A variety of opportunities exist. These range from simple donations to providing advice, datasets, or job opportunities for students. We welcome alumni who would like to reconnect through the presentation of a colloquium detailing some aspect of their professional experience. We are particularly seeking to increase the funds available for student support. Gifts to the Geology/Geography Gift Account allow us to:

- Purchase equipment for faculty/student research;
- Develop an undergraduate research fund;
- Support undergraduates presenting research at scientific conferences;
- Support innovative, inquiry-based laboratory exercises for class.

If you would like to make a contribution, several options are available. The simplest way is to send a check to the Department of Geology/Geography. Please remember to direct the gift to the Department of Geology/Geography.

For more information about how to give to EIU, go to: www.eiu.edu/develop/how.php. These gifts are usually tax deductible. If you wish to support a particular scholarship or area in our department, that is also possible. In general, unless specified otherwise, we allocate most of our gifts towards student support, and we have several pre-existing funds.

Existing scholarships and funds

- General gift account – unrestricted use towards student support or equipment purchases
- Geography Alumni Award – sophomore or junior in Geography
- Geography of Ecuador and Latin America Enhancement Fund -geography majors.
- Geology Alumni Award – sophomore or junior in Geology
- Dewey H. Amos Scholarship – outstanding junior in Geology or Earth Science
- Jon and Diana Giffin Geologist Scholarship – at least sophomore Geology major with plans to continue in geology
- Ruby M. Harris Award – senior in Geology, Geography, or Earth Science
- Walter H. and Dorothea V. McDonald Scholarship – junior in Geography or Earth Science

- Grace Markwell Meier Award – outstanding member of Gamma Theta Upsilon (GTU)
- Errett and Mazie Warner Presidential Award – juniors or seniors in Geology, Geography, or Earth Sciences
- John George Wozencraft, Jr. Memorial Award – either mathematics (even years) or Geography (odd years)
- Robert Buzzard Memorial Scholarship in Geography—junior or senior majoring in Geography
- Vincent P. & Pamela R. Gutowski Scholarship – given to students majoring in Geography who show outstanding scholarship and dedication to the field of Geography.
- Dallas and Lillian Price Memorial Endowment – supports student observers in observing daily climate data for National Weather Service.
- Richard Wise/Lester Stoner Undergraduate Scholarship in Geography—junior or senior with a declared major in Geography.
- Geology in the Schools Outreach Program - funds for this program go towards supplies and models used in the classroom demonstrations as well as support for the students who are doing the presentations.
- Other – such as establishment of your own scholarship or memorial fund.

We would especially like to encourage alumni to check for the possibility of matching funds from their employer, as any donation will be multiplied. For example, some large petroleum companies offer a 3:1 match. That means in order to meet the minimum amount needed to establish a scholarship, \$10,000, you might only need to contribute \$3,333 if there is a 3:1 match.

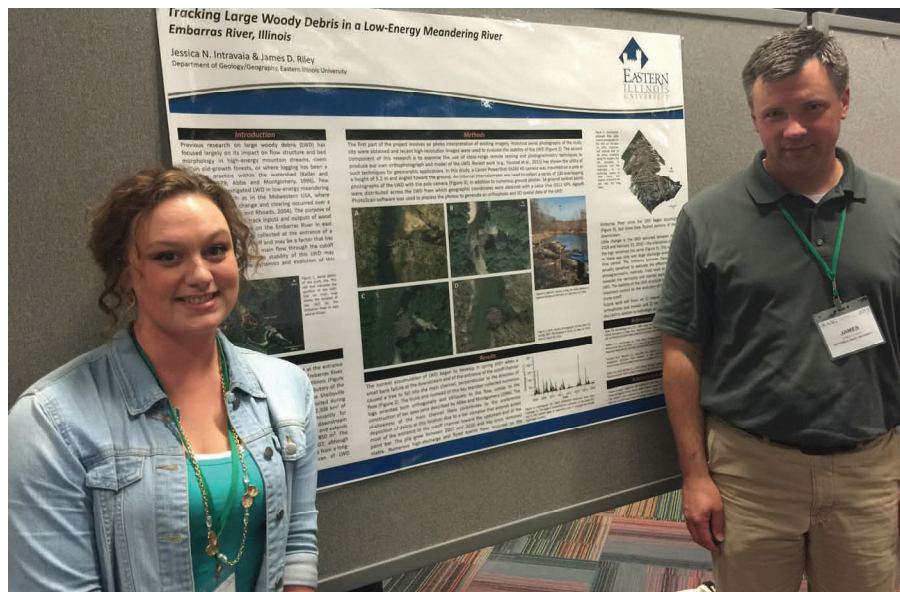
Gifts-in-kind of equipment or specimens are also appreciated but must be prearranged with the department beforehand to ensure optimal use (and for conformance to University regulations). If you have any questions or comments, please don't hesitate to email or call me.

Michael Cornebise, Chair
Email: mwcornbise@eiu.

***See what new things are happening in our department—
visit <http://www.eiu.edu/geoscience/>***



Students in the Principles of Stratigraphy class on their field trip to Tishomingo, MS over Spring Break. Here (l-r) Jordan Knuth, Nydra Harvey-Costello and Chris Kohler hunt for shark teeth. Over thirteen species of shark are identified from their toothy remains from this formation.



Jessica Intraiva and James Riley with their poster at the Annual Meeting of the Association of American Geographers on April 23, 2015 in Chicago, IL.



Department of Geology/Geography

523500
600 Lincoln Avenue
Charleston, Illinois 61920-3099

NONPROFIT ORG
US POSTAGE PAID
PERMIT NO 24
CHARLESTON IL
61920 3099

E-mail: geoscience@eiu.edu
Web: www.eiu.edu/geoscience