

A map of the United States where the state of Alabama is highlighted in a solid red color. A white five-pointed star is positioned in the upper-left quadrant of the red state. Dotted lines extend from the corners of the red state to a larger, more detailed outline of the state's shape, which is also red with a white star. The rest of the United States is shown in a light gray color with black outlines for state boundaries. The text "THE UNIVERSITY OF ALABAMA" is centered over the map in a dark red, serif font.

THE UNIVERSITY OF ALABAMA

2016-17 Geography Gazette

INTRODUCTORY LETTER FROM THE DEPARTMENT CHAIR

On February 2, 2017, the Board of Trustees of the University of Alabama System voted to approve the initiation of a doctoral program in geography at the University of Alabama, to begin in August of this year. That event culminates more than a decade of effort from the faculty and staff of the department to make the transition from a teaching-oriented to a research-oriented program. It also marks the beginning of an important new era for UA geography. As described in our proposal, "... we are designing both a curriculum and a learning community intended to prepare our Ph.D. students, both intellectually and professionally, for success in the highly competitive marketplace of the 21st century. Our curriculum will stress in-depth mastery of theory and concepts needed to understand the interactions of human-environment systems, while also emphasizing biogeophysical science perspectives related to that theme. Coupled with the thematic training, will be advanced training in geospatial analysis, whereby all of our graduating students will be required to take a minimum of three techniques courses." We believe that by thus preparing the next generation of Stewards of the Discipline we will become one of the nationally-recognized departments of Geography and that our graduates will find success in the workforce.

It has been several years since the department produced a newsletter. We are doing so now through the efforts of Dr. Steven Ericson, who joined the department three years ago. Among his other roles, Steven is the Communications Director for the department, and his tasks include the production of the newsletter and managing our social media. If you want to follow us via our website (<http://geography.ua.edu/>), Twitter (<http://twitter.com/BamaGeography>), or Facebook (<http://www.facebook.com/BamaGeography/>), please contact him directly (steven.p.ericson@ua.edu) and he will get you linked up with us so that you can receive updates much more frequently than this newsletter will allow. This version of the newsletter, that we have named the Geography Gazette, includes more information than the typical product. This is partially because it has been so long since our last release and partly because things have changed so much since then. Professors Hobson Bryan, David Shankman, and Bobby Wilson have retired. New faces in the department include Steven Ericson, David Keellings, Matthew LaFevor, Sarah Praskievicz, and Matthew Therrell. At the end of this academic year, Jeff Richetto will retire and in August our faculty will be joined by Nick Magliocca. We are currently searching for two additional faculty members, so the profile of the department may be even more altered in the coming academic year.

Finally, it is my pleasure to acknowledge generous donors to our department over the last several years – three in particular. First, Jan Weaver and her family have established a scholarship fund to commemorate the name of David Weaver, who was the Chair of this department from 1987 to 2000 before his untimely death in 2006. The Weaver Scholarship is being used to help recruit excellent doctoral students to our program. Second, John Nichols, once a member of our faculty, has been a faithful supporter of our general fund. This has helped us support graduate student research. Third, Frank Huttlinger, also a former faculty member, left a generous bequest to the department's general fund. We will use this resource to help develop new curriculum initiatives. Contributions such as these and the many others that we receive are extremely valuable to us as they support opportunities that we might otherwise lose. On a less formal note, the staff, students, and faculty of geography are very grateful to Mrs. Marjorie Ericson for the holiday chocolates!

Geography is alive and well and growing at The University of Alabama. I encourage you to follow us on social media, or feel free to contact me directly at sherman@ua.edu. Roll Tide!

Douglas J. Sherman

FACULTY & STAFF NEWS

DR. SETH APPIAH-OPOKU: I have just entered my 14th year at The University of Alabama in 2002. A number of significant milestones were recorded in my work this past year. In September 2015, I accepted an invitation to serve on a 15-member Technical Advisory Committee advising the Government of Ghana on the preparation of a 40-year development plan for the country, which was covered by [Daily Graphic](#). Other members on the committee include the Vice-Chancellor of the University of Ghana and highly recognized professionals in the country.

I served and continue to serve on the editorial board of the Journal of Environmental Impact Assessment Review. It is the highest ranked journal in my field – environmental impact assessment. Also, I was elevated to the position of editor of the *African Geographical Review Journal* having served as the associate editor in the past two years. The journal is published by the Taylor & Francis in the U.K.

I chaired a departmental search committee and also served on the University’s Mediation Committee. Outside the university community, I served as advisor to the City of Tuscaloosa Sister-Cities Commission and as a resource person to the Tuscaloosa Housing Authority. I also granted a live interview on a Ghanaian television station on issues bordering on the U.S. general elections.

With an internal research grant from the Academy of Research, Scholarship, and Creative Activity Award (\$3850) I conducted a field research in Ghana titled “Ebola in West Africa: Assessing perceived risks and public health preparedness in Ghana.” The project is based on the premise that disease specialists have long acknowledged the importance of cultural aspects in disease control, yet this perspective is often ignored in official response to an epidemic outbreak. This seemed to be the case with the recent Ebola Viral Disease (EVD) outbreak in West Africa where cultural values require the sick to enjoy close interactions with members of a community, especially within an extended family system. I am also editing a new book on International Development with chapter contributions from experts around the world. The book will be published in June 2017 by the Intech Publishers in Croatia.

In recent years, I have teamed up with colleagues in Civil Engineering, Anthropology, and Criminal Justice to research the interface of transportation, rural health and indigenous knowledge issues in Africa. This collaboration has so far resulted in five publications in refereed journals and four conference paper presentations. In the near future, our focus will shift to researching the links between road accessibility and terrorism hotspots in sub-Saharan Africa. Finally, one of my students (Caroline Glass) successfully completed and defended her thesis.



DR. BENNETT BEARDEN’s legal, political, and negotiating experiences have placed him squarely in the center of one of Alabama’s most important natural resources issues: water policy. Bennett is the founding director of the Water Policy and Law Institute at The University of Alabama and an Associate Research Professor in the Department of Geography. In April 2012, the Governor appointed Bennett chair of the Alabama Water Agencies Working Group (AWAWG), the task force charged with developing policy options and recommendations for a comprehensive state water management plan. As chair from 2012-2013, he provided the AWAWG with constructive resolution of emerging challenges at the intersection of water policy and law, emphasizing data-driven policy making, strategic counseling, water diplomacy, water conflict mediation, crisis management, creative dispute resolution, and enhanced relations with stakeholders and community groups.

He continues to serve as Special Counsel to the Governor on Water Law and Policy (2013 to present), the AWAWG chair, and the AWAWG. Bennett received B.S. (geography), B.S. in Geology, and M.S. (geology) degrees from The University of Alabama. He received his Juris Doctor (J.D.) degree from Birmingham School of Law (ranked first academically in his class) and

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his Master of Laws (LL.M.) degree in Commercial and Corporate Law (with honors) from the University of London. Bennett also has a post-graduate Certificate in Watershed Management from the University of British Columbia. He earned his doctorate (J.S.D. degree, legal education's counterpart to the Ph.D.) in water law and policy at McGeorge School of Law, University of the Pacific, in Sacramento, Calif., where he was the recipient of the 2008 Slater International Water Law Award. Bennett is a member of the Alabama State Bar, the Washington DC Bar and is admitted to the Roll of Solicitors in England and Wales.

He is a member of the American Bar Association (ABA) Section of Environment, Energy, and Resources (SEER) Water Resources Committee, the Alabama Section of the American Water Resources Association (AWRA), the Organizing Committee of the annual Alabama Water Resources Conference and the International Water Association (IWA) and a former member of the Executive Committee of the Environmental Section of the Alabama State Bar. He is the co-author and co-editor of a leading national casebook on water law and policy, *Cases and Materials on Water Law*, Ninth Edition, published by West Legal Publishing Co.. He is Associate Editor of *Water Policy*, the official journal of the World Water Council and leading publication in the field of water policy. In 2014, Bennett received the Governor's Certificate of Recognition for advancing water policy in the State of Alabama. Bennett teaches Water Resources Management, Law and Policy and is currently developing a course in Public Policy Development. He is the author/co-author of over 100 publications.

ELIZABETH BOYD joined the UA staff in 1988, and has spent all 29 years at the university working in the Department of Geography. She is currently the department's senior office associate.

DR. SAGY COHEN had a very busy year! He received three new grants to support research at his [Surface Dynamics Modeling Lab](#) (SDML): NSF grant for advancing modeling and analysis of global bedload dynamics, NOAA's National Water Center (NWC) grant to develop a [U.S. Flood Inundation Mapping Repository](#) (US-FIMR), and a sub-award from Mississippi State University (part of a large NOAA grant) for studying flood susceptibility in coastal Mississippi. In 2016 Sagy had two journal papers published (in *Ecological Modeling* and *Earth Surface Dynamics*), a book chapter accepted for publication (Special Publication: Society for Sedimentary Geology) and currently have five additional manuscripts under various stages of review.

Three of Sagy's grad students graduated this summer: Shawn Carter studied the effect of anthropogenic land use on global sediment flux; Tong Wan developed and tested a global river slope map; Monica Stone studied the effect of hurricanes on inland flooding. Shawn is currently working on two manuscripts out of his thesis while working as a scientist at the NWC. Tong is back in China working on a manuscript. Monica works as an instructor in UA and is about to submit a manuscript for publication. This fall SDML welcomed two new grad students: Md Tazmul Islam who will study global bedload modeling, and Mariam Khanam who will study coastal flooding. SDML also welcome a new graduate research assistant, Bradford Bates who is developing the USFIMR, and three undergraduate research assistants.

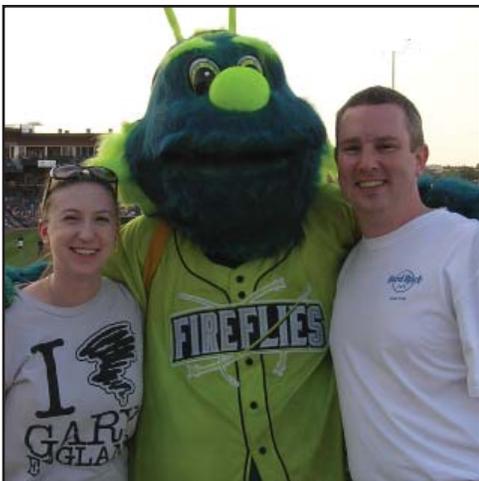
Sagy continue to work closely with the NWC. He served as Research Them Leader in the last two NWC Summer Institutes (SI) and organized its 2016 Capstone Event, leads the [UA-NWC Water Research Group](#), and was recently appointed as the 'Dean of Arts and Sciences Liaison to the National Water Center'. SDML was involved in a number of outreach events this year including the NWC 'Open Labs Day', the 'Science Sunday' and 'Innovation Fair' events at the Alabama Museum of Natural History (AMNH). SDML also built an '[Augmented Reality Sandbox](#)' exhibit to the AMNH which was showcased on [ABC 33/40](#) and [The Crimson White](#).

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DR. LISA DAVIS, Associate Professor, had a year best characterized as one of new projects. Lisa is a P.I. on a multi-institutional collaborative effort between sedimentologists, geomorphologists, and archaeologists aimed at reconstructing extreme floods that pre-date the instrumented record in the Tennessee River Basin. The project has grown to include other major river basins in the eastern U.S. Davis and graduate student Rachel Lombardi presented early findings at the 5th International Paleoflood Symposium in Rapid City, S.D. The research is supported by funds awarded to Davis from EPRI (Electric Power Research Institute) and in collaboration with the USGS. This work is an extension of Lisa's interest in using the erosional and depositional geomorphology of river deposits to infer flow regime change and involves several UA faculty and staff (Matthew Gage – Office of Archaeological Research, Natasha Dimova - Geological Sciences, and Matthew Therrell – Geography) that are members of the newly established RRUSH (Retrodictive Research for Understanding Society and Hydroclimate) working group at UA. Davis collaborated with fellow RRUSH member, Matthew Therrell (UA Geography), and Samuel Munoz (Woods Hole Oceanographic Institute) to convene a session at the fall Geological Society of America meeting on the theme of paleofloods.

Lisa is collaborating on a second new project with aquatic ecologist Carla Atkinson (UA-Biological Sciences) that examines whether long-lived, mussel assemblages in the Sipsey River of Alabama help influence river geomorphology by affecting sediment erosion and deposition and biogeochemical processes. This research is the focus of an invited paper presentation to be given at the 2017 Binghamton Geomorphology Symposium and is currently being supported by funds from UA Center for Freshwater Studies and the Weyerhaeuser Company. The first field season, which wrapped up in October, largely focused on designing experimental methods to be used next field season to test whether decades of observations of mussel-sediment interactions previously made in lab-based flume studies can be observed in an actual river and to determine whether these interactions translate into measurable geomorphic effects. The project is in its infancy but holds tremendous potential to help determine if rivers co-evolve with the organisms that reside in them, which would mark a huge shift in how geomorphologists conceive of processes in rivers.

In other news, Davis published two articles with former master's students, Nicholas Haney and Ryan Vaughn (both in the journal *Geomorphology*), organized sessions for the annual AAG meeting held in San Francisco for the Geomorphology Specialty Group, and the AAG's Committee on the Status of Women, which Davis chairs, and launched a new AAG Women's Mentoring network through a collaboration between the AAG's Committee on the Status of Women and Jessica Jacobs (Queen Mary College, University of London). Davis is looking forward to what the 2016-2017 academic year brings and the launch of the new Ph.D. program in UA Geography.



Steven & Katie at a Columbia Fireflies baseball game.

DR. STEVEN ERICSON is in his fourth year as an instructor at UA. He teaches a variety of human geography courses, but the most unique course he teaches is GY 375 (Sports Geography), which touches upon a variety of geographic sub-disciplines as they pertain to sports. He earned his doctorate at Oklahoma State University. Ericson's research covers a wide range of topics from neolocalism and the Alabama craft beer industry to crime geography in urban areas to how student-athlete recruiting patterns have changed since the Southeastern Conference (SEC) expanded in 2012. Beyond classes and research, he oversees the department's web site and social media accounts. On a personal note, he became engaged in May 2016 and plans to get married in Tuscaloosa in May 2017. Steven's fiancée, Katie Mentzel, recently graduated with a master's degree in special education from Vanderbilt University, and now works at Paul W. Bryant High School in Tuscaloosa.

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LEIGH ANN FRANKLIN is the department's administrative secretary. She resides in Brookwood with her husband, Rickey. She has worked at UA since 1990, and has spent the last 25 years working in the department.

DR. LUOHENG HAN is entering his eighth year working in the College of Arts & Sciences Dean's office. As senior associate dean, he is responsible for natural sciences and math, graduate studies, space and facilities, and international affairs. Although the administration takes most of his research time, he has been teaching one of the two remote sensing courses every semester without interruption since joining the department in 1994. Luoheng and his daughter Rebecca are big Alabama football fans, and have attended almost every home game for the last several seasons.

DR. JUSTIN HART is an Associate Professor, Director of the Environmental Science Program, Director of Graduate Studies, and Director of the Forest Dynamics Lab. The primary mission of the FDL is to improve the management of forest resources through applied research, outreach with an emphasis on practitioners, and professional and civic service efforts. In addition to Justin, the FDL consists currently of three graduate students, one undergraduate research assistant, and seven undergraduate technicians. The lab has ongoing projects based in the Bankhead National Forest and the Talladega National Forest.

DR. DAVID KEELLINGS joined the department as a new faculty member in August. David is from Glasgow, Scotland and prior to coming to UA he worked at the University of Florida. His research interests lie in climatology and health, particularly where extreme events, such as heat waves and heavy precipitation, have an impact on human health. He uses methods from climatology (extreme value theory, time series analysis, models) and geography (GIS, remote sensing, spatial statistics) to analyze changes in extreme events and investigate impacts of climate change on extremes that adversely affect human health. David is currently working on several projects including: spatial changes in heat waves over North America, tropical cyclone induced flooding in Puerto Rico, climate triggers of global malaria epidemics, and the effect of extreme precipitation and climate change on landslides around the globe. David is excited to have joined the department. He appreciates the warm welcome that he received from the department's faculty, staff, and graduate students and is very much looking forward to a fun and productive first year.



David bicycling in a kilt.



David in his native Scotland.

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DR. MATT LAFEVOR joins the department after finishing a postdoctoral fellowship with the National Science Foundation's Socio-Environmental Synthesis Center (SESYNC) at the University of Maryland. At SESYNC he coauthored articles in *Science* and the *Journal of Hydrology* and published a chapter on the shared environmental challenges facing the US and Mexico, which gave special attention to hydro-challenges. More importantly, he developed long-term collaborations and good friendships. Dr. LaFevor's long-term research focuses on sustainable agricultural systems, natural resource management, and environmental history, especially in Mexico and the Caribbean. In 2016, Matt and Dr. David LaFevor (University of Texas at Arlington) received funding for a multi-year research project in Cuba from the British Libraries Endangered Archives Programme. In November, Matt will accept the American Geographical Society's Wrigley Fairchild Award for best paper during the annual conference at Columbia University. In addition to the Cuba work, Matt has ongoing research projects in the U.S. Virgin Islands (St. John) and in Mexico, where he has lived a good part of his life as both a student and researcher.



Matt testing the altitudinal limits of his ancient Mac, well above the tree line in Mexico.

MARY PITTS: Over the last eight years in her role as instructor and advisor Mary Wallace Pitts has taught an average of 800 students per year in addition to advising approximately 70 majors. Her regular course load includes Earth Surface Processes (GY 102), Natural Hazards (GY 317) and Natural Resources and Environmental Planning (GY 339). However, her favorite course is Watershed Management (GY 385), a Service Learning field-based class offered during May Interim for each of the last 4 years.

She serves on the Editorial Board for Environmental Geosciences, and also as a committee member on the City of Tuscaloosa Floodplain Management Plan Committee and the Tuscaloosa County Natural Resources Planning Committee. Her interests include water resources, watershed management and water policy. In July 2016 she completed work on the North River Watershed Management Project (319 (h) Funded Project), the subject of a recent "Discovering Alabama" documentary.

A graduate of Trinity College Dublin and University College London, she has decided to add a degree from UA to her resume. Currently her research focus is water policy in Alabama and is being conducted in furtherance of an Interdisciplinary PhD in Watershed Science from the University of Alabama.

Her 17-year old triplets are busy considering college choices for Fall 2017 and consume all of her "free" time.



Sarah with grad student Emily Buege in Belize.

DR. SARAH PRASKIEVICZ, along with Associate Research Professor Bennett Bearden, was awarded a grant from the Alabama Water Resources Research Institute for a project assessing the science and policy of environmental instream flows in the state of Alabama. Dr. Praskievicz also received a COMET grant from the National Oceanic and Atmospheric Administration to do a hydraulic model intercomparison for flood-inundation mapping, a project which leverages her work as a Theme Leader in the National Water Center Summer Institute. The 2016 Summer Institute brought 28 students from all over the United States to the UA campus for the summer to work on projects related to applications of the new National Water Model, now being run operationally at the National Water Center. Finally, Dr. Praskievicz traveled with her master's student Emily Buege to Belize this summer, funded in part by the UA Research Grants Committee, in order to do fieldwork for Emily's thesis project on the physical habitat controls on native cichlid nesting sites in the Bladen River.

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CRAIG REMINGTON has worked as the director of the UA Cartographic Research Laboratory since 1984. He received both his degrees from Florida State, earning a bachelor's in geography in 1976 and a master's degree in geography in 1981. In his spare time, Craig enjoys camping and traveling.

DR. JEFF RICETTO: This academic year marks my 37th year and last year as a fulltime faculty member at the University of Alabama. Over the years I have participated in much change involving the department beginning with serving as faculty member in the Department of Geology/Geography (1980-1982), thereafter to the present in the Department of Geography, and most recently adding a Ph.D. program to the department. In addition, the department has expanded from 6 faculty positions upon my arrival to 18 positions in the near future as well as from 4 MS students to nearly 40. Indeed, a sign of progress and demonstrated competitiveness. I have very much enjoyed my tenure at the University ranging from conducting seminal research on coalbed methane gas development and marketing in the state of Alabama and presenting that research at an international conference held in Prague (personally receiving an emblematic key to the city from its Mayor), to being one of the first participants and contributors to the University of Alabama's beta project for online course development, to serving as Chair of the University's Master Planning Committee that initiated start-up and planning discussion for its present-day physical/functional landscape design, among others; each creating a collection of indelible memories. Finally, I wish to recognize and thank Neal Lineback, David Weaver, Luoheng Han and Doug Sherman for their transformative leadership roles for the Geography department. I look forward to sharing my retirement with my wife (of 44 years), 3 children and 11 grandchildren and visiting relatives in northern Italy, collecting family history.

DR. JASON SENKBEIL is a climatologist/meteorologist with primary research interests in atmospheric hazards and applied climatology. Specifically, Senkbeil hopes to improve the ways in which we communicate severe weather information so that people better understand their risk and take appropriate actions. In his spare time he loves being outside and doing anything active. He also collects spores, molds, and fungus.

DR. DOUGLAS SHERMAN is Professor and Chair of the Department of Geography at the University of Alabama (since 2011) where he moved after being Head of the Department of Geography at Texas A&M University from 2001. Prior to that appointment he was on the faculty of the Department of Geography at the University of Southern California for eighteen years. He obtained his Ph.D. from the University of Toronto and was a post-doctoral scholar in the Ocean Engineering Department at Woods Hole Oceanographic Institution. Dr. Sherman's research interests are in coastal and aeolian geomorphology and sedimentation. He has published more than one hundred scholarly articles, and recently edited or co-edited volumes of the *Treatise on Geomorphology on Coastal Geomorphology* and *Aeolian Geomorphology*, and co-edited a volume of *Coastal and Marine Hazards, Risks and Disasters*. Much of his recent research involves human impacts on coastal sedimentation, hydrodynamics in the vicinity of coastal structures, and the physics of sediment transport, especially wind-blown sand. He is a Fellow of the American Association for the Advancement of Science and the American Geographical Society, and has twice been a Fulbright Senior Scholar.

DR. MICHAEL STEINBERG is celebrating his tenth year at the Capstone. This past summer was a busy one with his annual field course to Belize, this time around with 17 students. Steinberg also finished the edits on his third book, "A Brook Trout Pilgrimage," expected out in 2017, and submitted two grants to continue his field work in Belize. Besides Belize, Steinberg has been busy with mapping projects in Campeche, Mexico, and the Zapata Peninsula in Cuba. Steinberg has five graduate students working in the aforementioned areas as well as two undergraduates working on a habitat-mapping project in the Himalayas. Steinberg continues to teach an array of courses including environmental studies, sporting conservation, world regional geography, and field studies in Belize.

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DR. MATTHEW THERRELL just completed his third year as an associate professor at the University of Alabama. He spent much of the past academic year carrying out fieldwork in support of three external research projects to study streamflow and flooding on the Mississippi River and Gulf Coast. He presented findings of this research at the American Geophysical Union annual meeting last December and at the PAGES-Cross-Community Workshop on past flood variability in Grenoble, France, in June. In August, he began a collaborative project with Lisa Davis from UA Geography and Matt Gage from UA Office of Archaeological Research to study paleofloods on the Tennessee River. In personal news, his oldest son Nicholas started at UA this fall as a political science major in the Blount Scholars Program. Wife Meganne was recently named a Director of Business Analysis at S&P Global Market Intelligence.

DR. JOE WEBER: Last fall my wife Amy and I did field work in California's Death Valley National Park, thanks to the 2015 Anne U. White Award that we received from the Association of American Geographers. We hoped to map out old borax prospecting roads on the bottom of the valley, but in the weeks before our arrival the valley had some of the heaviest rain and flooding in its history, washing out most of the valley's roads and closing some areas of the park for several years (story about the [floods](#)). While there we attended the 10th Death Valley History Conference and gave a presentation about the geography of movies filmed in the area, including my favorite, *Star Wars*. Using old maps, historic photographs, and a few tips from the internet we also located and visited a hidden cultural landmark in the Mojave desert, the Joshua tree where the band U2 were photographed for the back cover of their *The Joshua Tree* album. Countless fans have visited over the years and left artifacts, artwork, personal messages, and even a bronze plaque set in concrete. At the present I'm working on several historical GIS projects involving lost national park units, early roads and the development of the U.S. highway system, and the Death Valley region.



A portion of the cultural landscape surrounding U2's Joshua tree (which has sadly died and fallen, seen in the upper right), somewhere high on a desert plain, where the streets have no name.

Current M.S. Students

Carson Barefoot

Brad Bates

Hayley Brey

Megan Briggs

Emily Buege

Robert Butler

Jordan Cissell

Kelsi Davis

Alysa Delgado

William Elkins

Scott Ford

Caroline Glass

Deepa Gurung

Tazmul Islam

Mariam Khanam

Jonathan Kleinman

Rachel Lombardi

Cehong Luo

Jo McGinnies

William McWhorter

Dinuke Munasinghe

Jake Pettus

Shaikh Rifat

Sophia Rutledge

Walker Skeeter

Brenna Sweetman

GRADUATE STUDENT NEWS

CARSON BAREFOOT comes to us from Clemson, S.C. He received a bachelor's of science in forestry resource management from Clemson University in May 2016. Carson started here in the fall of 2016 and is working on achieving a master's degree in geography. He works with Dr. Justin Hart in the Forest Dynamics Laboratory and is currently co-leading a study that links disturbance history to stand structure in an oak-dominated forest within the Bankhead National Forest on the Cumberland Plateau. His interests include forest ecology, forest disturbance ecology, silviculture and prescribed burning in the southeastern United States.



Carson stands on a tip-up mound in a wind-disturbed longleaf pine woodland in the Oakmulgee Ranger District of the Talladega National Forest.



Davis Goode (left) and Carson (right) survey a wind-disturbed longleaf pine woodland in the Oakmulgee Ranger District of the Talladega National Forest.

BRADFORD BATES is a second-year MS student in the Department of Geography. He is a member of Dr. Sagy Cohen's Surface Dynamics Modeling Lab and Dr. Michael Steinberg's Natural Resource Conservation and Mapping Lab. He currently works on a grant funded by the National Oceanic and Atmospheric Administration (NOAA) where he develops an online repository of historical inundation maps that will be used to validate hydraulic and hydrological model performance. Additionally, Bradford collaborates with the University of Alabama Geology Department and The University of Florida Spatial Ecology and Conservation (SPEC) Lab to link UAV-collected multispectral imagery to water quality in a southeastern stream. His thesis work focuses on gathering ethnographic and remotely sensed data to evaluate threats to recreational fisheries in Belize. For his thesis, he spent two months in Belize in the summer of 2016 gathering his field data and interning with the Toledo Institute for Development and Environment (TIDE). He presented his preliminary thesis research at the 2016 Natural Capital Symposium, held at Stanford University. His work was also presented at the American Association of Geographers (AAG) conference in San Francisco.

Bradford has worked with Everglades National Park to map the official navigation channels for the park, in efforts to promote conservation of seagrass. Bradford has served as a teaching assistant for a Belize study abroad course, remote sensing, and earth surface processes. Bradford was selected as a Resident Fellow for the 2015 National Flood Interoperability Experiment (NFIE), hosted by NOAA and the Consortium of Universities for the Advancement of Hydrological Science (CUAHSI), where he completed and presented applied research relating to the application of remote sensing and Python scripting to historical flood mapping. This research was presented at both the 2015 CUAHSI Conference on Hydroinformatics and the 2015 Alabama Water Resources Conference. Bradford has completed internships with the City of Tuscaloosa, University of Alabama Education Abroad, and

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the National Great Rivers Research and Education Center (NGRREC), where he earned a co-authorship on an upcoming publication in *Anthropocene*. Bradford completed his BS in Geography at the University of Alabama, with a concentration in Earth System Science and Geographic Information Systems (GIS). As an undergraduate, Bradford was awarded the 2015 “Most Outstanding Undergraduate in Geography” award. Bradford is a former trip leader for Alabama’s Outdoor Recreation Center, where he led backpacking and caving trips in the Southeast U.S. In his free-time, Bradford enjoys hiking, biking, and playing piano for various musical groups in Tuscaloosa and Birmingham.

EMILY BUEGE is a second year master’s student studying Environment and Natural Resources under the advisement of Dr. Sarah Praskievicz. She graduated with her bachelor degree in ecology from Winona State University (Winona, Minnesota) in spring 2015. There she explored population parameters of brook trout in the driftless ecoregion in southeastern Minnesota. At UA, her master’s thesis investigates what physical factors compose the preferred habitat of cichlids in the Bladen River, Belize. She spent the first part of this past summer collecting data for her project and spent the rest of the summer as an educator at the International Wolf Center in Ely, Minnesota. Outside of school, Emily enjoys raising service dog puppies for Canine Companions for Independence.



Emily (left) and her advisor Dr. Sarah Praskievicz surveying the Bladen River.



Emily during her fieldwork in Belize.

ROBERT BUTLER is a first year master’s student who graduated from Valdosta State University in 2014. He received a B.S. in Environmental Geosciences with a concentration in geology. His primary research focus is in Geomorphology with an emphasis in coastal and aeolian processes. During his undergraduate, he double minored in geography and astronomy, and was an assistant for his university’s astronomy department. He focused his senior thesis on a comparison between the sand dunes of Earth and Mars, and presented this at his university’s undergraduate research symposium. Robert came to the University of Alabama because of the good atmosphere the geography department and campus provides, the motivation to excel that the faculty emphasizes, and the opportunity to conduct research in his preferred field. Robert is from Hoschton, Ga., and likes to spend his free time outdoors hiking, kayaking, cycling, and fishing.

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JORDAN CISELL is a second year master's student from Keel Mountain in Gurley, Ala. He earned his B.S. degree in accounting from the University of Alabama, but he saw the light and caught the geography bug in a big way while enrolled in Professor Mary Wallace Pitts' Earth Surface Processes class spring semester of junior year. When he met Dr. Michael Steinberg senior year, he knew the Department was where he needed to be! His thesis project, under the guidance of Dr. Steinberg, is focused on habitat mapping and mangrove change detection in Zapata Swamp National Park in Cuba using GIS and remote sensing. As an offshoot of this project, Jordan is working in the Python and R programming languages to develop a simple, open source application that will allow park officials to map and monitor future changes in the swamp's mangrove cover with the click of one button using Landsat satellite imagery.

KELSI DAVIS is a second year master's student in the Department of Geography at the University of Alabama. She received her bachelor's degree in environmental geosciences with a minor in geography from Texas A&M University where she did research on Volunteered Geographic Information and geocoding. Kelsi's current research seeks to estimate aboveground biomass distribution using remote sensing and field analyses in Costa Rica. She is affiliated with the Spatial Ecology and Conservation (SPEC) Lab at the University of Florida and is advised by Dr. Jason Senkbeil.



Kelsi with the fixed-wing unmanned aerial vehicle (UAV) that collected the remote sensing data.



Kelsi collecting plot corner coordinates in the Osa Peninsula, Costa Rica.

ALYSA DELGADO joins us from completing a B.S. in environmental science at the University of North Carolina at Chapel Hill. While she has heavy ecological interests, her minor in Geography introduced her to GIS, and she became hooked on connecting Human-Environment issues with map making. During her time at UNC, Alysa studied abroad with a School For International Training (SIT) program in Panama called Tropical Ecology, Marine Ecosystems, and Biodiversity Conservation. That program has influenced her research interests to be in the tropics. Here at UA, Alysa hopes to study the coastlines of Belize, mapping out habitat degradation and looking at sea turtle nesting patterns as a proxy for environmental disturbance.

GRADUATE STUDENT NEWS

WILL ELKINS is specializing in Geographic Information Science. His thesis research deals with predicting the effects of a proposed beltline highway expansion on urban sprawl in the Birmingham Metro Area on hydrology using GIS, satellite remote sensing, and a cellular automata urban growth model. His advisor is Dr. Joe Weber, and his thesis committee includes Dr. Luoheng Han and Dr. Glenn Tootle.

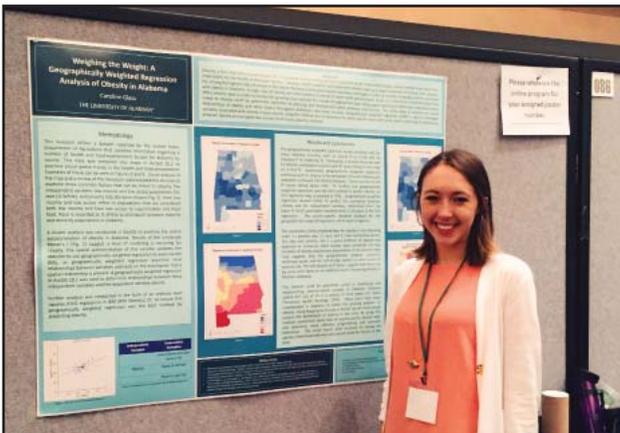
Will works as a graduate research assistant in the Cartographic Research Lab, where he conducts spatial, geostatistical, and network analysis along with web development and cartography in support of economic development, natural resource conservation, transportation planning, and public policy research. Will has collaborated with faculty and students from the Departments of Geography and Civil Engineering on research dealing with natural hazards, coastal geomorphology, forest productivity, and hydrology.

A U.S. Marine Corps veteran, Will earned an associate's degree in Arabic from the Defense Language Institute in 2009. He earned a bachelor's degree in international studies with a focus on the Middle East and Africa from the University of Alabama in 2015. After completing his master's, Will plans to pursue a Ph.D. in Geography with research that will leverage his geospatial skill set and background to better understand the interconnected and complex relationships between human and natural systems. He hopes to pursue a career that will use such research to inform public policy decision making at the nexus of environmental and economic sustainability.

SCOTT FORD earned a B.S. in environmental geosciences with a minor in geography from the University at Buffalo in 2012. While at Buffalo he conducted undergraduate research in the Buffalo Undersea Reef Research Lab, performing a genetic analysis of symbiotic algae hosted by two morphotypes of a gorgonian octocoral. After graduating he spent two summers working for The Nature Conservancy in upstate New York performing aquatic invasive species surveys. He then worked for Invasive Plant Control, Inc. as an invasive species technician in the mid-Atlantic region before joining the Forest Dynamics Lab in the fall of 2015. For his thesis, Scott is analyzing the macrofungal community response to disturbance events in longleaf pine ecosystems.



Jonathan Kleinman (left) and Scott (right) survey the rare flora of a Ketona dolomite glade in Bibb County.



Caroline at the 2016 AAG Annual Meeting in San Francisco.

CAROLINE GLASS is a second year master's student focusing in urban planning and GIS. Caroline completed her undergraduate degree in urban environmental studies at Birmingham-Southern College before returning to her hometown to pursue her master's degree. Caroline's research focuses on biking and transit-oriented development in Birmingham, Alabama, where she is completing an analysis of Birmingham's newly implemented bikesharing program under Dr. Seth Appiah-Opoku.

GRADUATE STUDENT NEWS

TAZMUL ISLAM joined The University of Alabama in fall 2016 as a master's student. Currently he is working as a Research Assistant at the Surface Dynamics Modeling Lab (SDML) focusing on Global Bedload Flux Modeling project funded by NSF. Prior to joining here he used to work as a Research Assistant at the Khulna University of Technology (KUET) on projects related to Soil Salinity, Remote sensing and Paddy growth funded by South Asian Network for Environmental Economics and University Grant Commission, Bangladesh. His main research interest area is Water Modeling and Remote Sensing. He likes to spend his free time playing cricket and soccer.

MARIAM KHANAM is a first year master's student and a member of the Surface Dynamics Modeling Lab (SDML). Her research interests are hydrologic and hydraulic modelling, flood modeling and coastal interaction and remote sensing applications in water resources. Her recent research focus is on coastal flood modeling. She is a graduate teaching assistant for Introduction to GIS (GY 430) and The Water Planet (GY 202) courses. She is also competing for the EPA P3 Program and Campus Water Matters' Student Design Competitions. She graduated with a bachelor's in water resources engineering from Bangladesh University of Engineering and Technology. Prior to her master's she worked as a junior engineer for Resource Planning and Management Consultants in Bangladesh in collaboration with Northwest Hydraulic Consultants.

JONATHAN KLEINMAN: Prior to joining our department, Jonathan received a B.A. in ecology and evolutionary biology from the University of Colorado. He interned as a biological science technician with the National Park Service in Georgia and with the Bureau of Land Management in Idaho. For his thesis, Jonathan is studying the compounded effects of catastrophic wind and salvage harvesting on forest floor substrate and vascular plants in restored longleaf pine woodlands. This research may assist management designed to enhance native forest diversity and resiliency to future disturbances.

RACHEL LOMBARDI graduated from Longwood University in Farmville, Va., with a B.S. in environmental science. Her studies focused in earth sciences and contributed to various projects concerned with stormwater and water quality monitoring in the Chesapeake Bay Watershed. Here at UA, Rachel is in her first year of her master's degree. She chose UA's Department of Geography because of the abundance of water focused faculty available to expand her interests in water resources. Rachel is currently working with her advisor, Dr. Lisa Davis and other geography faculty, researching paleofloods on the Tennessee River. Her thesis will contribute to this work and focus in geomorphology, soils, and hydraulic modelling.

JO MCGINNIS is a graduate from the University of Montevallo. She has a bachelor's degree in history. In 2015 the Everglades National Park experienced an unprecedented seagrass die-off in Florida Bay. Jo is currently working on the spatial analysis of the Seagrass die-off, and in the summer of 2016, Jo was an intern with Everglades National Park. She plans to return in the summer of 2017 to continue her research with the park.

WILLIAM McWHORTER is a second year graduate student and the current president of Club Geography. He received a B.A. from The University of Alabama



Jo wrangling a snake as part of her internship training.

GRADUATE STUDENT NEWS

in the fall of 2014 in international relations concentrating in Africa and the Middle East with minors in French and GIS. Before joining our department last fall, he spent time interning with NASA's Office of International and Interagency Relations in Washington, D.C. He is now working under Dr. Seth Appiah-Opoku focusing on international development and sustainability. Over the summer, William spent most of his time carrying out field work in Ghana, West Africa for his thesis focusing on the environmental impacts and miner safety vulnerabilities of artisanal and small-scale gold mining in rural Ghana. In addition, William also volunteers in the field with an international nonprofit organization (Ghana West Africa Missions) to provide clean water, sanitation, and hygiene and to promote sustainability for villages in remote northern Ghana.

DINUKE MUNASINGHE is a second year master's student and member of the Surface Dynamics Modelling Lab (SDML) with research interests in hydrologic and hydraulic modelling, ecohydrology and environmental remote sensing applications. His current research focus is on quantifying the change in Riparian vegetation due to river flow alteration on rivers as a consequence of damming. He received his Bachelor's degree in Environmental Conservation and Management from the University of Kelaniya, Sri Lanka.

Prior to his master's he was a Teaching Assistant affiliated with the Department of Zoology and Environmental Management and the Environmental & Development Consultants (EDCON) at the University of Kelaniya. He has experience in teaching GIS, animal diversity, applied ecology, hydrology and meteorology and atmospheric processes and patterns. The past summer he was selected as a Research Fellow for the Young Innovators Program to work in affiliation with NOAA at the National Water Center in Tuscaloosa. He also presented at two conferences this year, the CUAHSI Biennial Symposium in West Virginia and the Alabama Water Resources Conference. He is currently working on the 'EPA P3 Program' and Campus Water Matters' Student Design Competitions. Outside of academia he spends his leisure time playing sudoku and guitar.



Dinuke and others gathering field data.

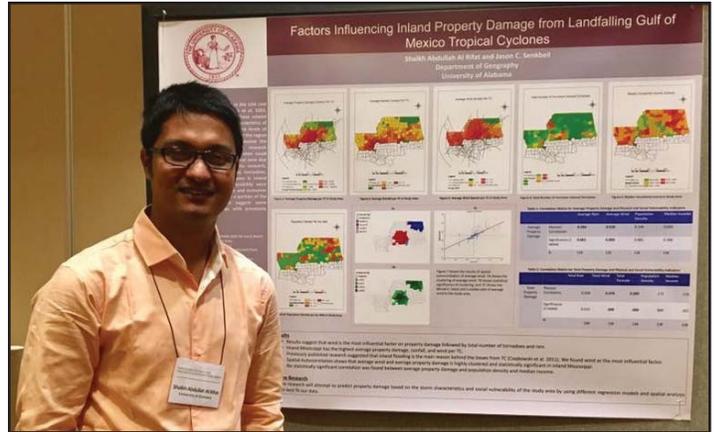


Dinuke kayaking in the Cahaba River during the Young Innovators Program.

JAKE PETTUS is a second year graduate student who is studying the geography of business under the guidance of Dr. Jeff Richetto. Jake also works in the Cartographic Research Lab with Craig Remington, where he works in cartography, GIS, and website management. Jake lives in Hayden Alabama with his wife Channing and his daughter Millie, and will seek employment in GIS or economic development upon his graduation.

GRADUATE STUDENT NEWS

SHAIKH ABDULLAH AL RIFAT's primary research interests are geophysical hazards, hazard risk and vulnerability, and in general human-environment interaction. He likes to use GIS as a tool to assess hazard risk and vulnerability and how human decision-making process interacts with the environment and how this process helps to change or shape the environment. Rifat is a second-year master's student and currently working with Dr. Jason C. Senkbeil. He works as a graduate research assistant at the Cartographic Research Lab. Rifat completed his bachelor's degree in urban and rural planning from Khulna University, Bangladesh. He also worked as a GIS assistant for two companies in Bangladesh before starting his graduate studies at the UA.



Shaikh at the 2016 SEDAAG Annual Meeting.

In his thesis, Rifat is using physical storm characteristics (wind, tornadoes, rain) from decaying Gulf of Mexico tropical cyclones (from 1995 to 2015) in inland counties and county social vulnerability (SOV index scores) in the Southeastern United States to identify the factors influencing inland property damage and to predict the inland property damage based on the identified indicators. He presented a poster showing his research outcomes at the 2016 SEDAAG Meeting in Columbia, S.C. He will also attend and present a poster at the 2017 AAG Annual Meeting in Boston, Mass.

WALKER SKEETER is a first year graduate student from Salisbury, Md. He completed his undergraduate work in his hometown, at Salisbury University, where he double majored in earth science and geography with a concentration in atmospheric science. Walker is studying climatology here at UA. Walker hails from a family of geographers, with his father being a professor of climatology at Salisbury University, his younger sister being a geography major at Salisbury University, and his oldest brother being a Ph.D. student in geography at the University of British Columbia. Walker was drawn to UA by the opportunity to work under quality climate professors, Tuscaloosa's propensity for severe weather, and an opportunity to attend a large school after doing his undergrad work at a relatively small school. During his time at UA, Walker plans to study the synoptic climatology of severe precipitation across the southeastern U.S.

BRENNA SWEETMAN graduated from the University of Pittsburgh with a B.A. in environmental studies and Spanish in 2013. Upon graduating she worked first at the Stroud Water Research Center and later at the Caño Palma Biological Station in Costa Rica. During her time in Central America she assisted with nesting sea turtle monitoring projects as well as instructed environmental education and English. She is eager to combine her love of freshwater systems with Latin America through her master's thesis that will examine the effects of watershed land use and land cover on water quality in the Osa and Gulfito regions of Costa Rica.



Brenna along a river in Tapanti National Park in Costa Rica.

GEOGRAPHY MAJORS & HOMETOWNS

Student	Hometown	Student	Hometown
Chelsea Aaron	Quinton	Josh Moulton.....	Dothan
Kelsey Adams	The Woodlands, Texas	John Mueller	Louisville, Ky.
Amy Catherine Anderson.....	Athens	Brittany Neely.....	Madison
Samuel Andrus	Acworth, Ga.	Adam Neill.....	Florence
Andrew Balch	Irvine, Calif.	Andrew O'Shields.....	Vestavia
Devin Beamon	Muscle Shoals	Emily Pacanins.....	Dallas, Texas
Cory Best	Clanton	Hayden Reed.....	Tuscaloosa
Madison Blanchard.....	Mobile	Hannah Reid.....	Mobile
Kimberly Brothers	Tuscaloosa	Michaela Senft	Hoover
Gene Burton	Tuscaloosa	Parker Sheffield.....	Tuscaloosa
Amber Chan	Norman, Okla.	Owen Shivers	Orange Beach
Brian Daniels	Camden	Michael Siani	Tuscaloosa
Danielle Davis.....	Fleming Island, Fla.	Joshua Sims.....	Helena
Molly Elmore	Brent	Chris Smith	Flower Mound, Texas
Alex Fries.....	Dothan	Monica Standohar	Cortland, Ohio
Danny Grey.....	Northport	Cameron Thompson.....	Moneta, Va.
Thomas Hammill	Burke, Va.	John Tidwell.....	Rogersville
David Herder.....	Huntsville	Milton Tucker.....	Saint John, Ind.
Albert Herndon	Nashville, Tenn.	Andrew Tyndall.....	Beverly Hills, Mich.
Colin Holladay	Hampton Cove	Justin Ulmer	Moody
Jake Hollinsworth	Louisville, Ky.	Alexandra Vulgamore	St. Petersburg, Fla.
Kiernan Igoe.....	Tuscaloosa	Emmanuel Walker	Tuscaloosa
Katherine Jack.....	Albany, Ga.	Dora Washington.....	Chamblee, Ga.
Brian Lackey	Madison	Allan White	Birmingham
Wesley Martin.....	Tuscaloosa	Thomas Wiginton.....	Florence
Charles McCallister	Gordon	Gates Winters	Tuscaloosa
Nolan Mercer	Birmingham	Grant Woodcock	Hebron, Ky.
James Misfeldt	Kohler, Wis.	Taylor Wright	Florence
Samuel Morris.....	Mountain Brook	Le Zhao	Nanjing, China



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ENVIRONMENTAL SCIENCE MAJORS & HOMETOWNS

Student	Hometown	Student	Hometown
Cheyenne Adams	Sarasota, Fla.	Alyssa Kandow	Frankfort, Ill.
Neil Amato	Charlotte, N.C.	Andrew Karpinski	Tuscaloosa
Mitchell Anderson	Ada, Mich.	Madeline Khuri	Tuscaloosa
Dalton Asper	Mechanicsburg, Pa.	Jonathan Kressuk	Franklin, Wis.
Sadie Ayers	Tuscaloosa	Charlotte Kuliak	Chicago, Ill.
Rachel Ball	Fairhope	Jane Kunberger	Franklin, Tenn.
James Bamberger	Bethesda, Md.	Alexander Lamore	Eastpointe, Mich.
James Berry	Jasper	Caroline Lawery	St. Petersburg, Fla.
Lydia Blount	Dothan	Aubrey Loria	Tuscaloosa
Nicholas Bolton	Sanford, N.C.	Jared Lotfi	Tuscaloosa
Laney Brager	Hawesville, Ky.	Brianna Lowery	tuscaloosa
William Burkett	Collegeville, Pa.	Lennon Luckadoo	Tulsa, Okla.
Emma Burlingame	Stanley, Wis.	Robert Maddox	Andalusia
Nathan Byars	Vestavia Hills	Tyler Mathews	Temecula, Calif.
Emma Callanan	East Greenwich, R.I.	Cameron McCloud	Birmingham
Kyle Cameron	Hollister, Calif.	Zackie Meadows	Theodore
Cali Capela	Tuscaloosa	Philip Meric	New Orleans, La.
Brandon Capers	Tuscaloosa	Mary-Margaret Miller	Grosse Pointe Farms, Mich.
Justin Capers	Tuscaloosa	Jessamy Moore	Rutherford, Tenn.
Evan Cass	Decatur, Ga.	Tyler Morrison	Tuscaloosa
Cara Clay	Herndon, Va.	Donovan Murphy	Golden Valley, Minn.
Ashton Condrey	Greenville, S.C.	Justin Napolitano	East Meadow, N.Y.
Gavin Conley	Suwanee, Ga.	Robert Neighbors	Tuscaloosa
Sierra Copeland	Wasilla, Alaska	Zachary O'Donnell	Bel Air, Md.
Kayla Cornwell	Harvest	John Olinger	Orrville
Danielle Courtney	Conifer, Colo.	Just In Oliver	Tuscaloosa
Kevin Covington	Oxford	Clare Parker	Indianapolis, Ind.
Nicole Eckerman	Saratoga, Calif.	Benton Polasky	Mobile
Raien Emery	Sheridan, Wyo.	Jordan Pow	Tuscaloosa
Ethan Flack	Cullman	Jared Priesz	Crystal Lake, Ill.
John Forland	Robertsdale	Carrie Ragsdale	Richmond, Va.
Hunter Foster	Suffolk, Va.	Elizabeth Renzi	Clinton Township, Mich.
David Freitas	Hingham, Mass.	James Richardson	Brent
Berkeley Gaither	Thompsons Station, Tenn.	James Rivers	Berry
Hunter Gibson	Birmingham	Samuel Rogers	Melbourne, Fla.
Holly Gillis	Mansfield, Texas	Carrie Schmitt	Bellbrook, Ohio
Daniel Glaus	Coker	Stone Shallat	Suwanee, Ga.
Emmanuel Globetti	Hoover	Kathryn Shay	Crest Hill, Ill.
Zach Goldstone	Tuscaloosa	Spencer Simonetti	Maylene
Jonathan Goode	Homewood	Taylor Simpson	Demopolis
Shelley Gossman	Vestavia Hills	Erin Smyth	Chesterfield, Mich.
Samantha Gould	Huntsville	Zachary Spivey	Arlington, Texas
Colton Green	Owens Cross Roads	Natalie Stanley	Mobile
Tomasz Gruchala	Clarendon Hills, Ill.	Bennett Stansell	Dothan
Terry Hancock	Berry	Zachary Stephens	Columbus, Miss.
Ashley Harrison	Killen	Piper Stone	Cincinnati, Ohio
Sarah Hart	Chattanooga, Tenn.	Matthew Tremlett	Pell City
Stephanie Hedin	Trappe, Pa.	Owen Utsey	Daphne
James Helton	Hiram, Ga.	Luke Vilaro	Celebration, Fla.
Hunter Hemphill	Tuscaloosa	Victor Vinh	Tuscaloosa
Wesley Henderson	Somerville	Spencer Wakefield	Helena
Telly Hernandez	South Houston, Texas	Daniel West	Calera
Taylor Hornsby	Dothan	Tate West	Hoover
William June	Roswell, Ga.	Jennie Wilson	El Segundo, Calif.
		Gabrielle Yejo	Sandy Springs, Ga.

CERTIFICATES IN GIS EARNED

Spring 2016

Keith Dunlap
Coady Latimer
Monica Stone

Fall 2016

Jordan Cissell
Jacob Ejnes
Caroline Glass
William McWhorter
Taylor Wright

GEOGRAPHY BACHELOR'S DEGREES EARNED

Summer 2016

Joseph Fields, B.A.
Melinda Mann, B.A.
Dakota Whitten, B.S.

Fall 2016

Philip Costa, B.A.
Jacob Ejnes, B.S.
Eric Knipp, B.A.
Natalier Leder, B.S.
Meghan McCrann, B.S.
Connor Sparks, B.A.

ENVIRONMENTAL SCIENCE BACHELOR'S DEGREES EARNED

Summer 2016

Katie Brown
William Chavers
Maegan Kuczvara
Anthony Morris

Fall 2016

Weston Bentley
Hillary Cole
Jennifer Fisher
Gabrielle Hance
Clint Irons
Alexandra Makris
Henry Simpson
Taylor Southgate

MASTER'S DEGREES EARNED

Summer 2016

Shawn Carter

Advisor: Sagy Cohen

Thesis: "Effects of the anthropogenic landscape on global suspended sediment flux"

Lauren Cox

Advisor: Justin Hart

Thesis: "Effects of an intermediate-scale wind event on forest composition, structure, and structural complexity"

Tong Wan

Advisor: Sagy Cohen

Thesis: "A new global scale riverine slope dataset"

Fall 2016

Caroline Glass

Advisor: Seth Appiah-Opoku

Thesis: "Assessing the role of bikesharing in transit-oriented development: A case study of Birmingham"

Ben Trammell

Advisor: Justin Hart

Thesis: "Effects of an intermediate-scale wind disturbance on mixed *Pinus* hardwood stands"

DEPARTMENTAL AWARDS

Outstanding Undegraduate in Geography

2013: Elizabeth M. Gallo
2014: Elizabeth A. Schweers
2015: Bradford L. Bates
2016: Anna B. Davis

Outstanding Undegraduate in Environmental Science

2013: Melody D. Irie
2014: Lauren E. Cox
2015: Monica Standohar
2016: Sydney D. Schaefer

Outstanding Graduate Research Assistant

2013: Kelly L. Koenig
2014: Nicholas R. Haney
2015: Lauren E. Cox
2016: Shawn M. Carter

Outstanding Graduate Teaching Assistant

2013: Jonathan B. Mason
2014: Amanda J. Hoffman
2015: Michelle E. Saunders
2016: Sandra L. Almayeda Zambrano

Outstanding Graduate Student

2013: Anna K. Billue
2014: Merritt M. Cowden
2015: Matthew D. Meko
2016: Lauren E. Cox

Chairperson's Award

2013: Jeremy T. Newhouse
2014: Ryan S. Vaughn
2015: Allison M. Tarbox
2016: Monica H. Stone

2015-16 PUBLICATIONS

- Appiah-Opoku, S., and F. Asare-Akuffo. 2015. *A Study of Urban Sprawl Management in Ghana With Lessons from the American Planning System*. Saarbrücken, Germany: Lambert Academic Publishing, 103 pp.
- Appiah-Opoku, S., S. Jones, and M. Tefe. 2015. Urban Transport Project Screening in Ghana: A Theoretical Approach to a More Inclusive Practice. *ITUP*, April 3:47-56.
- Chazdon, R.R.L., Rozendaal, D., Poorter, L., Broadbent, E., and Bongers, F., 2015. Resilience of biomass recovery in regenerating Neotropical forests following agricultural land use. World Forestry Congress, 5pp.
- L. Cox, J. Hart, 2015. Two Centuries of Forest Compositional and Structural Changes in the Alabama Fall Line Hills. *The American Midland Naturalist*, 174: 218-237.
- Farrell, E., and Sherman, D., 2015. A new relationship between grain size and fall (settling) velocity in air. *Progress in Physical Geography*, 39:361-387.
- Haney, N., and Cohen, S., 2015. Predicting 21st century global agricultural land use with a spatially and temporally explicit regression-based model. *Applied Geography*, 62:366-376.
- Haney, N., and Davis, L., 2015. Potential controls of alluvial bench deposition and erosion in southern Piedmont streams, Alabama (USA). *Geomorphology*, 241(63):292-303.
- J. Hart, 2016. Gap-Scale Disturbances in Central Hardwood Forests with Implications for Management. In Greenberg, C.H., and Collins, B.S. (eds.), *Natural Disturbances and Historic Range of Variation*. Switzerland, Springer Science + Business Media), pp. 33-47.
- J. Hart, M. Buchanan, and Cox. L., 2015. Has Forest Restoration Been Freed from the Bonds of History? *Journal of Forestry*, 113: 429-430.
- J. Hart, M. Cowden, S. Torreano, and J.R. Vestal., 2016. Disturbance, Succession, and Structural Development of an Upland Hardwood Forest on the Interior Low Plateau, Tennessee. *Natural Areas Journal*, 36:557-573.
- Jones, S., Tefe, M., Zephaniah, S., Tedla, E., Appiah-Opoku, S., and Walsh, J., 2016. Public transport and health outcomes in rural sub-Saharan Africa – A synthesis of professional opinion. *Journal of Transport & Health*, 3(2):211-219.
- Keasberry, A., J. Hart, D. Dey, and Schweitzer, C., 2016. Spatial Patterns of Irradiance and Advanced Reproduction along a Canopy Disturbance Severity Gradient in an Upland Hardwood Stand. *Forests*, 7: 73.
- Konlechner, T., Ryu, W., Hilton, M., and Sherman, D., 2015. Evolution of foredune texture following dynamic restoration, Doughboy Bay, Stewart Island, New Zealand. *Aeolian Research*, 19(60):203-214.
- Lo, C., Cheng, T., and Weber, J., 2015. Community's Role and School's Role in Protecting Against Student Substance Use: A Spatial Analysis. *Journal of Child & Adolescent Substance Abuse*, 24(4):198-206.
- Marshall, J., Roering, J., Bartlein, P., Gavin, D., Granger, D., Rempel, A., Praskiewicz, S.J., and Hales, T.C., 2015. Frost for the trees: Did climate increase erosion in unglaciated landscapes during the late Pleistocene?. *Science Advances*, 1 e1500715-e1500715.
- J. Myers, J. Hart, and L. Cox., 2015. Decadal Changes in Disjunct Eastern Hemlock Stands at Its Southern Range Boundary. *Castanea*, 80: 171-182.

2015-16 PUBLICATIONS

- N. Pederson, A. D'Amato, J. Dyer, D. Foster, D. Goldblum, J. Hart, A. Hessler, L. Iverson, S. Jackson, D. Martin-Benito, B. McCarthy, R. McEwan, D. Mladenoff, A. Parker, B. Shuman, and J. Williams., 2015. Climate remains an important driver of post-European vegetation change in the eastern United States. *Global Change Biology*, 21: 2105-2110.
- Pelletier, J., Sherman, D., Ellis, J., Farrell, E., Jackson, N., and Li, B., 2015. Dynamics of sediment storage and release on aeolian dune slip faces: A field study in Jericoacoara, Brazil. *Journal of Geophysical Research: Earth Surface*, 120(81):1911-1934.
- Poorter, L., et. al. (Broadbent ninth of 65 co-authors), 2016. Biomass resilience of Neotropical secondary forests. *Nature*, 530.69:211-214.
- Praskievicz, S., 2015. A coupled hierarchical modeling approach to simulating the geomorphic response of river systems to anthropogenic climate change. *Earth Surface Processes and Landforms*, 40(12):1616-1630.
- Praskievicz, S., 2016. Impacts of projected climate change on streamflow and sediment transport for three snowmelt-dominated rivers in the interior Pacific Northwest. *River Research and Applications*, 32(1) 4-17.
- Stahle, D., Edmondson, J., Burns, J., Stahle, D., Burnette, D., Kvamme, E., Lequesne, C., and Therrell, M.D., 2015. Bridging the Gap With Subfossil Douglas-Fir At Mesa Verde, Colorado. *Tree-Ring Research*, 71(52):53-66.
- Steinberg, M., 2015. A Nationwide Assessment of Threats to Bonefish, Tarpon, and Permit Stocks in Belize. *Environmental Biology of Fishes*, 2277-2285.
- Stokes, C., and Senkbeil, J., 2016. Facebook and Twitter, communication and shelter, and the 2011 Tuscaloosa tornado. *Disasters*, 41(1):194-208.
- Taylor, P., Wieder, W., Weintraub, S., Cohen, S., Cleveland, C., and Townsend, A., 2015. Organic forms dominate hydrologic nitrogen export from a lowland tropical watershed. *Ecology*, 96(5):1229-1241.
- Vaughn, R., and Davis, L. Abiotic controls of emergent macrophyte density in a bedrock channel — The Cahaba River, AL (USA), 2015. *Geomorphology*, 246(48):146-155.
- Wang, J., and Sherman, D., 2016. Cusp Development on a Gravel Beach. *Journal of Coastal Research*, SI 75:937-941.
- Weber, J., and Lichtenstein, B., 2015. Building Back: Stratified Recovery after an EF-4 Tornado in Tuscaloosa, Alabama. *City and Community*, 14(2):186-205.
- Weber, J., 2016. Yesterday's Freeway Network of Tomorrow: The Magic Motorways of Norman Bel Geddes. *Geographical Review*, 106(1):54-71.

NOTE: Publications are from April 1, 2015, to March 31, 2016. Find current publications on our website and social media platforms.



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