

UTK GEOGRAPHY

The Newsletter of the University of Tennessee Department of Geography

Fall 1999



Headspeak

By Carol Harden

Our dream of a geography building is rapidly becoming a reality! The rest of the university joins us in watching the construction, which began in August 1998 with the initial excavation for the foundation. As this newsletter goes to press, the four-story exterior structure is complete, the roof is on, external brickwork is done, interior walls are being drywalled, and windows are going in. The University is pleased with the contractor, and every indication is that the building will be completed on schedule in the early months of 2000. Our plan is to move just after the Spring term exams in May 2000. We look forward to showing off our new building to all of our alumni and friends at next year's homecoming weekend, September 22-23, 2000. Please join us.

In addition to the new building, we have made visible changes to the department in the past year. We moved out of the Alumni Memorial Building, which is being renovated to house the Dean's office and many large classrooms. Now, our graduate students, the GIS lab, and teaching labs for introductory physical geography and remote sensing are located in Aconda Court on the corner of Cumberland Avenue and Volunteer Blvd. Our GIS Lab has grown to include a server, 25 new PCs and state-of-the art software thanks to: grants from the university's Division of Information Infrastructure, significant gifts from anonymous friends of the department, and considerable labor from Bruce Ralston and Shih-Lung Shaw. This year, our web page (<http://web.utk.edu/~utkgeog>) has been transformed by Shih-Lung Shaw, Melanie White, and Brian DiBartolo. The page now contains far more information about the department and its people, and when you visit

it, you will find photos of stages in the new building construction.

New this fall are several courses being taught for the first time: Dr. Ralston's graduate courses on software design, Dr. Orvis's Global Positioning System course, and my 300-level course on Population and Environment. Our Geography 101 students are using the new textbook written by Dr. Pulsipher published in July 1999. Rumors are that it is a page-turner. The workbook materials were written by graduate student Jenny Rogalsky and Dr. Bell. We have been on TV, too. Using film-making skills gained from Dr. Pulsipher's graduate seminar, Mike Cornebise filmed a Tennessee Geographic Alliance summer workshop for K-12 teachers on Climate Change. The film aired multiple times on public cable tv and features faculty members Horn and Orvis, and graduate students Lisa Kennedy and Jim Speer.

We will miss Dr. Len Brinkman when he retires at the end of December, but we have saved an emeritus seat for him in the new building, so we expect to continue to see him. We will especially miss all of the behind-the-scenes work he does for us - liaison to the library, undergraduate advising, relocation coordinator for the move to Aconda Court, map inventory, and extensive committee work; but to judge by the twinkle in his eye, he's not going to miss that part!

We've much to celebrate this year: books (Aiken, Rehder, Pulsipher, Bell); national awards (Ralston, Aiken); research grants (Bell, Horn, Orvis, Brown, Kennedy, Rector); grandchildren (Brinkman, Rehder); promotion (Rehder), and tenure (Shaw). Please do visit our web site and come see us next year in our new building!

*"We look forward
to showing off
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to all of our
alumni..."*



Mark Your Calendar!

Come celebrate the new Burchfiel Geography Building with us! Mark your calendar for Homecoming, September 23, 2000



Burchfiel Geography Building

We are all excited about the new Burchfiel Geography Building. Funding for the building came from a gift from the late William Burchfiel. Dr. Burchfiel earned bachelor's and Master's degrees in geography from the University of Tennessee and a Ph.D. in geography from the University of Maryland. Bill Burchfiel, an exceptional friend of geography, was a successful businessman in Sevierville and the building represents his love for geography and education.

Below are two photos taken by our very own Shih-Lung Shaw. Look how far we've come in less than a year!



Excavation for Burchfiel Geography Building 10/23/98



Building as of 09/12/99

NEW DENDROCLIMATOLOGY LAB GOING STRONG

Faculty members KEN ORVIS and SALLY HORN, and graduate student JIM SPEER worked this past year to start up a new research facility within the geography department. Housed in the Science and Engineering Research Facility and in South Stadium, the DENDROCLIMATOLOGY LABORATORY provides equipment and space for extracting climate records and other environmental information from tree rings. A number of temperate and tropical tree species are currently being analyzed as part of dissertation research by JIM SPEER, LISA KENNEDY, CHARLES LAFON, and EVAN HART, and M.S. work by Greg Barlar (Department of Forestry). JIM SPEER, who conducted his M.S. work at the world-famous Tree Ring Laboratory in Tucson, has been a major contributor in developing the lab and in teaching methods of tree ring research to our students.

The laboratory has been developed with funds from the University, the department, the Tennessee Geographic Alliance, and the students and faculty using the lab. We have several of the expensive items (including binocular microscopes and high-tech machines for

measuring thicknesses of tree rings in increment bore samples or cross-sections), but need to raise money for a "shop vac" for the sanding room, and for sandpaper and sanding belts and other day-to-day supplies. All donations welcome, thank you!



Students measuring tree rings in the new dendroclimatology laboratory.

Climate, Glaciers, and Environmental History in the Highlands of the Dominican Republic

By Sally Horn

The late Venezuelan geologist Carlos Schubert identified what he believed to be glacial formations from aerial photographs of highlands of the Dominican Republic. Schubert's claim that Pleistocene glaciation had extended into the Caribbean, unsubstantiated by field exploration, was dismissed by most scientists. In 1996 and 1997, with funding from the National Geographic Society, Geography faculty KEN ORVIS and SALLY HORN, graduate student LISA KENNEDY, and undergraduate GEORGE DRINNON, along with MIKE CLARK from Geological Sciences, recovered sediment samples and other evidence that suggested that Schubert may have actually underestimated the extent of ancient glaciation.

With funding from the National Science Foundation, ORVIS, HORN, CLARK, and KENNEDY returned to the field for five weeks in early 1999, joined by Geography graduate students JIM SPEER and ANDY WALTER. A major forest fire and Category-4 Hurricane Georges had conspired to reveal a great deal of the landscape, and the team was able to piece together a far clearer picture as a result. Many new observations support the idea that these 10,000-foot peaks in the Caribbean once held glaciers. Sufficient proof to convince a rightly skeptical scientific community, however, awaits laboratory analysis of the hundreds of soil, sediment, and rock samples now at UTK, and detailed reconstruction from field observations and Global Positioning System data. Geography graduate students BRANDON LEAGUE and JEN KRSTOLIC have contributed to the laboratory analyses for the project. The work continues to be very exciting as the story unfolds, both for its own sake and because the team is pioneering some new analytic approaches. Besides challenging existing models for "ice-age climate" in the Caribbean, these findings have important implications for modeling past and future climates.

The study of past glaciers in the Dominican

highlands is part of a larger project on environmental history that also includes reconstruction of fire and vegetation history from charcoal and pollen in sediments, and from fire scars on pine trees. LISA KENNEDY, R.A. for the NSF project, will report and analyze some of the sediment and fire-scar results in her Ph.D. dissertation, along with separate studies of modern fire-vegetation dynamics that she is conducting with support of an NSF Doctoral Dissertation grant. JIM SPEER is leading other work focused on the use of fire scars on native pines to reconstruct fire history. JIM SPEER and LISA KENNEDY were part of a related project in summer 1998 to involve K-12 teachers in the Dominican fieldwork. Geography graduate student MARTY ARFORD and undergraduate Environmental studies student KATIE BUDZINSKI participated in a field expedition to the DR highlands organized and led by LISA KENNEDY in summer 1999.



In addition to the sponsors listed above, the Dominican Republic work is funded and facilitated by grants from the Moscoso Puello Foundation.





Geographers Featured in National Geographic Magazine

The “Behind the Scenes” section of the May 1999 issue of *National Geographic Magazine* describes a project developed by **Sid Jumper**, **Ken Orvis** and **Sally Horn** to involve K-12 teachers in field research. Six teachers from across the United States joined Ken and Sally and geography graduate students **Lisa Kennedy** and **Jim Speer** for ten days of field work in the Valle Nuevo Scientific Reserve in summer 1998. The National Geographic piece includes a photograph of two teachers inspecting a soil pit (with Jim Speer providing advice on the use of Munsell color charts), and another of the group assembled in the paleoenvironmental lab at UT, inspecting samples collected during the summer 1998 and on other expeditions to the highlands that Ken and Sally and collaborators have carried out as part of their research on past glaciers and other aspects of environmental history in the highlands of the Dominican Republic.

More information on the project, which was funded by the National Geographic Society and the Tennessee Geographic Alliance, is contained in a forthcoming piece by Orvis, Horn, and Jumper in the *Journal of Geography*. The hope is that the UT experience of involving teachers in geographic field research can be duplicated elsewhere. Increasingly, educators and others are calling upon classroom teachers to use research as a means of interesting students in the subject matter of geography. But many geography teachers have never conducted research, and can benefit from exposure to the methods, excitement, and yes, challenges, of field research in geography!

Faculty Staff News

Charles Aiken. Charles was awarded the 1999 John Brinckerhoff Jackson Prize by the Association of American Geographers for *The Cotton Plantation South Since the Civil War*, which was published in 1998 by Johns Hopkins University Press. The book was cited as “the most important geographical interpretation of the American South in over half a century” and an “unblinking analysis tempered with sensitivity and love for the region.” Charles is presently completing a book manuscript on William Faulkner’s geography.

The Aiken’s older son, Charles, and his wife, Amy, are clerks at the U. S. Court of International Trade in New York. Their younger son, John, graduated from high school in May and in August received his private pilot’s license. John is a freshman at Embry-Riddle Aeronautical University at Daytona Beach Florida.

Professor Tom Bell, now in his twenty-ninth year at Tennessee, seems to be busier than ever. Maybe we should call him Juan Valdez for all the coffee he drinks. His latest publications in book form include: *Pocket Activity Guide for Wiley Geography Textbooks and Microsoft Encarta Virtual Globe* (with **Margaret M. Gripsover**) New York: John Wiley and Sons, Inc. 1999. ISBN 0-471-25409-6; *Activity Guide: Wiley Geography Textbooks and Microsoft Encarta Virtual Globe '99* (with Margaret M. Gripsover) New York: John Wiley and Sons, Inc. 2000; *Human Geography: People, Place and Change, Study Guide, Second Edition* (with Margaret M. Gripsover) Washington, DC. Annenberg Project/CPB Project 2000; *Human Geography: People, Place and Change, Faculty Guide, Second Edition* (with Margaret M. Gripsover) Washington, DC. Annenberg Project/CPB Project 2000; *Instructor’s Resource Manual and Video Guide* (with J. Rogalsky) New York: W.

H. Freeman, 2000 ISBN 0-7167-3450-8 which accompanies Lydia Mihelic Pulsipher's, *World Regional Geography* (New York: W. H. Freeman, 2000). Working with World Geography (with J. Rogalsky) New York: W. H. Freeman, 2000 which accompanies Lydia Mihelic Pulsipher's, *World Regional Geography* (New York: W. H. Freeman, 2000).

Whew! Not yet finished, Bell continues at a frantic pace with "Why Seattle? An Examination of an Alternative Rock Culture Hearth," *Journal of Cultural Geography*, that will also be published in George O. Carney, ed. *The Sounds of People and Places: A Geography of Folk and Popular Music*, Second Edition (Lanham, MD: Rowman & Littlefield Publishers, Inc. Forthcoming in 1999). He has also written a review of Tracey Skelton and Gill Valentine, eds., *Cool Places: Geographies of Youth Cultures* (New York: Routledge, 1998) in *Journal of Cultural Geography* (1999, forthcoming).

This year, Tom and co-authors presented three papers. First was the ever-popular "Sex and the Single Geographer: An Exploratory Spatial Analysis of Cyberlove in West Tennessee," presented with **Margaret M. Gripsover** at the SEDAAG (Southeastern Division of the AAG) November meetings. In April in Honolulu at the AAG meetings Tom Bell, Margaret M. Gripsover, and **Kyle T. Rector** presented "Attitudes Towards 'Big Box' Retailers: Support or Begrudging Acceptance." In August 1999, Tom on a trip to Europe, presented "Differences in Internet Dating in the United States and the United Kingdom" at the International Meeting of the Popular Culture Association at Sidney Sussex College, Cambridge University (with Margaret M. Gripsover). Awards to Bell include the Outstanding Service Award from SEDAAG and a Professional Development Award from the UT Graduate School to study the teaching of popular culture in the United States and the United Kingdom. [Way to go, Tom!]

Leonard Brinkman, Associate Professor, retires at the end of the Fall 1999 semester after thirty-two plus years of noble service to the Department of Geography at the University of Tennessee. To some of you old timers, he is remembered as "the Hammer;" to others of more recent years, he is the self-proclaimed "Curmudgeon" which is also his e:mail

address name. For those of you who are unfamiliar with "the Hammer" appellation, the legend goes something like this. There was a time when students would be in conference with Brinkman in his office. A desk drawer would be left slightly ajar so the student could see a heavy claw hammer inside. One inquisitive graduate student boldly asked Brinkman why he had a hammer in his desk. Brinkman replied, "Put your hand here on the desk and find out." The curmudgeon identity is self-explanatory, however I see it changing to grand dad. Brinkman is now a grandfather, twice over. His daughter, Anne, had twin girls last November in Ohio. There is nothing like grandchildren to turn a fellow into melted butter. [Editor's note: This Fall semester, I am sitting in on Brinkman's last offering of the Geography of Appalachia. I am feverishly taking notes at the rate of 12 pages of day so that in the future I might teach the course with help from Brinkman's fact-filled materials.]

Brink, we are going to miss you!

Will Fontanez, chief cartographer, keeps amazing us with his wizardry in the Cartographic Services Laboratory, now housed in the Science and Engineering Research Facility (next door to G & G). Will's group of exceptionally talented cartographers (**Tom Wallin, Susan Carney, Charles Lafon, Hilary Burns, Jennifer Barnes, Katherine Becksvoort and Russell Peeler**) finished the more than 250 maps in Lydia Pulsipher's World Regional textbook for the W. H. Freeman & Company publishing firm. Will's shop is also responsible for the outstanding city street maps of Knoxville that are available in atlas, wall map, and the handy pocket folding map formats. Did anyone pass the course "Map Folding 101"?

Ron Foresta is the resident director of of UT's semester in Wales program at the University of Wales—Swansea for the fall '99 semester, which puts him in charge of the largest group of students (thirty) Tennessee has ever sent in this long-established exchange program.

Ron won't tell anyone how long it's been since this supposedly well-traveled geographer has been in the UK but he will admit that it





was “before they changed the money.” He finds Britain a much changed place, and most of that change has been for the better. The country is much wealthier than he remembers it. It has enjoyed more than a decade of solid growth and it shows in the housing, the autos the British drive today, in the quality of the food they now eat, and in their general health. It is also a much more cosmopolitan nation than it was a short time ago. The British have learned how to make good coffee and superb baguettes are available in the local bakeries. The British are also well traveled these days. It seems like everyone you meet is just getting back from a trip to the states. On the other hand, anti-Europe sentiment seems quite strong, among the young as well as the old, and depth and divisiveness of Welsh and Scottish nationalism are striking.

Carol Harden, Associate Professor and Department Head, returned to Ecuador twice in the past year. In December 1998, she was an invited participant in the international symposium on Sustainable Mountain Development “Understanding Interfaces of Andean Cultural Landscapes for Management” held in Quito. She presented “Conecciones Sobre la Tierra: Recomendaciones de Manejo de un Análisis de la Erosión de la Suelo en los Andes Ecuatorianos” (Connections on the Land: Management Recommendations from Watershed - Scale Assessment of Soil Erosion in the Ecuadorian Andes). In June 1999, Carol revisited the Río Paute watershed and she was able to plan for new research with geographers from the University of Cuenca. Dr. Harden with alum Louise Mathews published “150 years of Environmental Denudation and Reclamation in the Copper Basin, Tennessee” in the *Southeastern Geographer*, May 1999, pp. 1-21. Their paper, “Rainfall Response of Degraded Soil Following Reforestation in the Copper Basin, Tennessee, USA,” will be published in *Environmental Management*. She presented “Spatial Variability of Infiltration on the Oak Ridge Reservation, Tennessee” at the SEDAAG (Southeastern Division of the AAG) meetings in November 1998 in Memphis, TN. While in Honolulu in April 1999 at the annual Association of American Geographers meetings, she presented “Instream Mining in a Highland-Lowland Interactive Systems Context.” This Fall, Dr.

Harden will be an invited speaker in a special symposium on Global Environmental Change at the Southwest Division of the AAG at San Marcos, Texas; she is also an invited participant in the Pardee Keynote Symposium on Human Transformation of the Physical Landscape at the Geological Society of America annual meeting in Denver.

Sally Horn participated in the 1999 expedition to the highlands of the Dominican Republic (see related story) and made two trips to Costa Rica as part of research on environmental history funded by the National Geographic Society and the A. W. Mellon Foundation. Geography graduate students **Lisa Kennedy**, **Marty Arford**, and **Jen Krstolic** participated in the Costa Rican fieldwork. Highlights of the fieldwork included Marty and Lisa’s sighting of a Quetzal (a very rare, large, colorful bird) in the highlands of the Cordillera de Talamanca. The entire group was mesmerized by large floating islands observed in a lake in northern Costa Rica. In the biogeography course, Sally mentions the possible role of floating islands in the long-distance dispersal of plants and animals, but no one in the group had ever seen anything quite like this.

Sally presented a poster at the American Quaternary Association in Puerto Vallarta, Mexico (co-authored by graduate student **Brandon League**) and gave guest lectures at Syracuse University and for the Geographic Alliance Workshop in Global Environmental Change led by **Lisa Kennedy** and **Jim Speer**. Sally contributed a chapter on her work on fire ecology and fire history in mountaintop páramo communities in Costa Rica, and its implications for park management, to the book *Nature’s Geography: New Lessons for Conservation in Developing Countries* (edited by geographers Karl Zimmerer and Ken Young). She has published a related short paper on páramo fire ecology in the Costa Rican biology journal, *Revista de Biología Tropical*. She also co-authored manuscripts on Costa Rican lakes, paleoecology, and geographic education that were published or are in press in the journals: *Mountain Research and Development*, *Brenesia*, and the *Journal of Geography*, and in *Limnology in Developing Countries* (International Association of Theoretical and Applied Limnology)

and *Wilderness Science in a Time of Change* (U. S. Forest Service).

Professor **Sid Jumper**, although officially retired, continues his work as the Tennessee Geographic Alliance Coordinator. Sid reports that the Alliance completed three exciting summer workshops on POWER OF POPULATION, GLOBAL ENVIRONMENTAL CHANGE, and EDUCATIONAL TECHNOLOGY. The new one week format for each workshop this year allows teachers the option to attend one, two, or all three workshops. This flexibility in the program fits better into the private and professional lives of teachers in the short summer months. Upcoming events are: THE TENNESSEE GEOFFEST at Cumberland University on November 12-13; GEOGRAPHY AWARENESS WEEK on November 14-20 with the theme on TECHNOLOGY.

Ken Orvis, Assistant Professor, has been readying his tenure file for this fall (!) and in the mean time carrying on along several lines of research. He is also teaching a new course in Geographic Positioning Systems and geographic coordinate systems. A highly successful experiment last year that took K-12 teachers along on field research has led to several presentations and a paper in *Journal of Geography* by Ken, **Sally Horn**, and **Sid Jumper**. The latest expedition to the Dominican Republic in January (see related story) was highly successful, and Ken has set up a laboratory for particle size analysis of sediments, which is one method for discerning between glacial and other sediment-forming processes. Graduate student **Brandon League** is an RA on the project and has been working in the lab since early in the year. Results are piling up and are starting to look exciting. Another expedition last year to Cerro Chirripó, the highest mountain in Costa Rica, has led Ken to develop new methods for reconstructing past glaciers and past climate from tropical alpine geomorphology. A paper on that and related Chirripó work by Ken and **Sally Horn** has been submitted to *Quaternary Research*. Ken also published a paper on the modern soil pollen of northwestern Mexico, and is engaged in new research on the movement of pollen through tropical soils. Ken has made several

speeches on global positioning and urban heat islands and his own research, many in cooperation with the Faculty Speakers Bureau. He is now down to only nineteen graduate committees — something must be wrong.

Lydia Pulsipher, professor, along with the able assistance of her husband Conrad “Mac” Goodwin and son Alex Pulsipher, has completed her world regional textbook. The book and accompanying atlas is being used in introductory geography courses such as our own Geography 101 and 102. The official citation is Lydia Mihelic Pulsipher, *World Regional Geography* (New York: W. H. Freeman, 2000). The exceptionally outstanding cartography in the book was done by our very own **Will Fontanez** and his skillful crew in the Cartographic Services Laboratory temporarily housed in the Science and Engineering Building. Alumni geography teachers, instructor, professors please consider adopting Lydia’s book for your world regional course(s). Lydia’s travels this year have taken her to Seattle, the Caribbean, and recently to Southeast Asia.

Bruce Ralston continues his work in Transportation and GIS. Currently Bruce is supervising students on several projects that involve GIS. Three students are working with Bruce on GIS for Public Health, while other students work for the County Technical Advisory Services on developing GIS databases for counties in Tennessee. In addition Bruce is co-PI on a project with the Tennessee Department of Transportation. This past summer, he completed a text entitled *Developing GIS Solutions with MapObjects and Visual Basic*. The text is currently available over the Internet, and ESRI has expressed an interest in adding it to their ESRI Press offerings. At the AAG Annual Meeting in March Bruce received the Edward L. Ullman Award for Outstanding Contributions to the Field of Transportation Geography from the AAG’s Transportation Geography Specialty Group. In April, he traveled to Hong Kong with **Shih-Lung Shaw** to take part in a symposium on GIS, Transportation and Intelligent Transport Systems. He just completed his first year as Associate Editor of the *Journal of Transport Geography*, and wrote





chapters for two forthcoming books. Future projects include work for the National Institutes of Health and probably another GIS programming book.

Professor John Rehder, now in his thirty-third year on the University of Tennessee Geography Department faculty, has had a wonderful year. He was promoted to full professor and he has completed his book *Delta Sugar: Louisiana's Vanishing Plantation Landscape* for the Johns Hopkins University Press. Delta Sugar, traces the origins of sugarcane and the plantation system from the Old World to the Caribbean and thence to Louisiana and carefully examines the development and destruction of Louisiana's plantation landscape in the built environment for the 19th and 20th centuries. The book is scheduled for release in November. (It is already listed on amazon.com). John is currently researching and writing another book entitled *Folk Culture in Southern Appalachia* also for the Johns Hopkins University Press. John's recent fieldwork has taken him to coal mining settlements and the Hindman Settlement School in eastern Kentucky, to the John C. Campbell Folk School in western North Carolina, pilgrimages to the Virginia homeplace of the Carter Family of country music fame, and to a host of folk, music, food festivals (ramps and molasses just to name two), and other interesting venues in Appalachia. All of this and much more will be in his Appalachia book. John received the Department's "Outstanding Teaching Award" this year as well. In January 1999 he became "Opah" when Ken and Angie brought Allen Burkhardt Rehder into the world. Ken graduated with honors from the University of Tennessee Dental School in Memphis and has joined the practice of Harris, Horton, and

Mabry in Lenoir City, TN. Judy as principal and Karen as eighth-grade English teacher both received "Best" awards and are still busy in the world of education in the Knox County School System.

Shih-Lung Shaw, Associate Professor, is now "one-year-new" in the Department and was recently awarded tenure. He presented a paper at the AAG meetings in Hawaii and he was an organizing committee member of the International Workshop on GIS Intelligent Transportation Systems held in Hong Kong. Dr. Shaw and **Dr. Bruce Ralston** traveled to Hong Kong and both gave presentations at the workshop. On their way to Hong Kong, the intrepid transportation geographers were delayed by bad weather in Chicago but were rewarded with free upgrades to business class on the return for having to endure a 32 hour one-way odyssey to the Far East.

This year, Shih-Lung worked on manuscripts for his co-authored book, *Geographic Information Systems for Transportation: Principles and Applications*. He is working as a guest editor for a special issue on GIS for Intelligent Transportation Systems to be published by the journal *GeoInformatica*. Shih-Lung received a UTK faculty research award last year to pursue his interests in GIS for activity-based travel demand analysis especially on handling dynamic spatiotemporal data. He also submitted a joint research grant proposal to the Hong Kong Research Council to study the development of a GIS-based Smart Transit Information System for Hong Kong. Also, Shih-Lung Shaw has worked with the UT Transportation Center's Systems Development Institute to pursue potential projects from the Tennessee Department of Transportation.

Open House to Celebrate Geography Awareness Week and GIS Day

Join us on November 19, 1999 from 2:00 - 4:00 to celebrate Geography Awareness Week and GIS Day. The open house will be in the University Center, Rooms 220-221. We hope to see you there!



Graduate Student News



Kevin Anchukaitis graduated from the Science, Technology and International Affairs Program at Georgetown University in DC in 1998. He is a Masters candidate in biogeography and paleoecology. Specifically, Kevin is interested in Meso- and South American paleoethnobotany and biogeography. Last summer he was a paleoethnobotanist for an archaeological team excavating a Maya site in the Yucatan Peninsula. He traveled in Central and South America: Mexico, Guatemala, Belize, Costa Rica, Panama, Argentina and Chile. Kevin is the recipient of a S.T.A.R. Fellowship from the US EPA.

Marty Arford, continues to work on his thesis research on the paleoecology and land-use history of the tropical landscape near Lago Cote, Costa Rica. In addition to pollen and charcoal studies, Marty is using X-ray fluorescence to analyze the chemistry of ash layers from Volcan Arenal. In March 1999, He went to Costa Rica with **Sally Horn**, **Jen Krstolic**, and **Lisa Kennedy** for lake coring and limnology studies in the northwestern province of Guanacaste. He plans to examine the regional history of vegetation patterns and prehistoric land use around the Miravalles volcano. He found time for bird watching , adding 35 new species, "including the resplendent Quetzal" to his list of Costa Rican birds. Marty also traveled to the Dominican Republic with Lisa Kennedy and Katie Budzinski to assist Lisa in her field work. While there are not as many birds neither are there as many poisonous snakes in the DR and the "mountain vistas were incredible"! Marty teaches in the physical geography 131-132 labs.

Roger Brown, is a fifth-year Ph.D. student and a lecturing teaching associate in the physical geography sequence 131-132. At the AAG annual meetings in Honolulu in April 1999, Roger presented a paper entitled, "Pre-contact Influences on Vegetation in northern New York State." Furthermore, Roger presented a paper entitled, "Institutionalized Introductions: The Use of Exotic Species in Mine Reclamation" at the Applied Geography Conference in Louisville, KY. In

October 1998, he accompanied Drs. **Sally Horn** and **Ken Orvis** to conduct field work in Costa Rica. But his dissertation research and major field work has been on pre-contact Native American impact on vegetation in New York State. In April 1999, Roger assisted **Jim Speer** in his dendro field research and then found time, to help **Del Scruggs** dismantle a log cabin. Roger also had a good time playing for the "BAD LATTITUDES" departmental basketball team. He also found time to get engaged this summer! Congratulations!

Michael Cornebise spent the past year working for **Dr. Sid Jumper** at the Tennessee Geographic Alliance. His duties included helping to organize the annual statewide meeting, helping implement Geography Awareness Week, and producing a video for the Alliance's summer workshop on Global Environmental Change. On other fronts, he had a book review published in the June edition of the AAG *Annals* on Bonham Richardson's latest effort. He hopes that a recent article submission on ecotourism in Cuba will be accepted by the journal *Caribbean Geography*. Michael is teaching his fourth semester of Geography 101 and is enjoying the new textbook and course format. Unfortunately, Michael had to subsist on unexciting trips within the lower 48 this year including a scouting run to D. C. and a visit to his Colorado homeland.

Duane Cozad graduated from Kent State University in May 1999 with a Master's degree in Ecology with an emphasis in Systematic and Evolutionary Ecology. His thesis used palynomorphs to determine the biogeography, paleoecology, and possible means of migration (through land bridges) of the flora at a site in central Cuba from the middle Eocene. For his Ph.D., Duane is working with Sally Horn. He wish to continue working with pollen and spores to determine biogeography and paleoecology of Quaternary sites in Central America.

Evan Hart has been doing field work this Summer and Fall in the Smokies. He is



teaching Physical Geography this fall as an adjunct at UT-Chattanooga. He and his wife, Kimberly are expecting their first child in November. [Side note: the Bad-Latitudes defended their intramural basketball title by winning the Graduate/Faculty/Staff league for the second year in a row.]

Carrie E. Hembree is working as a Teaching Assistant for Geography 131 as well as a Graduate Research Assistant for the Tennessee Solid Waste Education Project and the Center for Geography and Environmental Education. Carrie is studying the Arctic environment, in particular climate and ice dynamics. She reports that her thesis is in transition to make use of current resources presented by the research position. Carrie recently attended the Tennessee Environmental Education Conference in Townsend, Tennessee. This summer she traveled to see Elvis at Graceland and in Las Vegas!

Ola Johansson had the opportunity and experience to teach World Regional Geography last year. He also continued to work on his dissertation, which is looking at the importance of global and local forces for urban change in Nashville using a regulation theory perspective. Last year's professional road trip was a brief tour to Memphis where Ola presented a paper at the SEDAAG meeting. During a long vacation in Sweden, Ola and his wife Shelley enjoyed midsummer, aquavit and biking in the lovely countryside observing historical settlement patterns in the cultural landscape.

Donald Kemp is an avid backpacker and rock climber born and raised just north of San Diego, in a town called Leucadia. He was hired by the UT RecSports department to start an outdoor program for the university which will offer a myriad of trips to students, staff and faculty. Donald had a very exciting trip to Costa Rica last May! Ask him about it sometime.

Lisa Kennedy is working on her dissertation research on fire-vegetation dynamics in the high-elevation pine forests of the Dominican Republic. She spent most of Jan-Feb 1999 in remote areas of the Dominican highlands doing her Ph.D. field work on

long-term fire history and assisting professors **Sally Horn, Ken Orvis, and Mike Clark** (Geology) with their research on paleoenvironments. It was an exciting and productive research adventure in an extraordinary landscape, and sometimes under difficult conditions. Lisa and grad student research assistants **Jim Speer** and **Andy Walter** have not been seen eating beans or oatmeal since February.

This summer, with funding from an NSF Doctoral Dissertation Improvement grant, Lisa returned to the Dominican Republic to finish her Ph.D. fieldwork. She was fortunate to have the excellent field assistance of **Marty Arford** (M.S. student) and **Katie Budzinski** (undergrad). They worked in recently burned areas measuring re-sprouting vegetation and using chain saws to cut sections from fire-scarred pines for tree-ring studies aimed at estimating fire frequency over the past two centuries. The fieldwork was a huge success and both the team and the rental truck came back in good condition (although I can't say "without a scratch") despite horrible road conditions resulting from last November's Hurricane Georges. In between the two Dominican Republic trips, Lisa squeezed in a trip to core some of the most beautiful lakes in Costa Rica with Sally, and students **Marty Arford** and **Jen Krstolic**. And in June, along with **Jim Speer**, she co-directed a weeklong workshop for K-12 teachers on "Global Environmental Change". Lisa and Jim agree that it was a wonderful experience and are grateful to **Sid Jumper, Ted Schmutde**, and the Tennessee Geographic Alliance for the opportunity.

Brad Kreps, second year Master's student from Williamsburg, Virginia, has research interests in sustainable development, private land conservation, and applications to Appalachia. Brad's teaching assistant duties are in Geography 101. His hobbies include raising a black Labrador pup, guitar playing, writing, and "wandering in the Appalachians."

Jennifer Krstolic writes that she has had some excellent field experiences throughout her first year of the Master's program at UT. She traveled to Costa Rica with **Sally Horn, Lisa Kennedy**, and **Marty Arford** to aid in

coring lakes. She took an Aquatic Ecology class that had many interesting field trips. Her research interests began to focus around stream processes. This summer she helped in the five-year survey of the Clinch River Mussel Fauna. Jennifer snorkeled in the Clinch up at sites near Kyles Ford. To gain GIS experience Jennifer works as an intern with the Tennessee Valley Authority in Norris. Her teaching duties this semester are in the introductory GIS class.

Jennifer's first publication will be printed in the *American Naturalist* this fall. It is entitled "Floral symmetry and pollinator preference," and is the product of a NSF Research Experience for Undergraduates program.

Charles Lafon and his wife Rachel welcomed a new member to their family this summer. Their first child, Annie, was born on June 20 (Father's Day!). Besides adjusting to his new role as a daddy, Charles works as a Research Assistant on an EPA-sponsored project to characterize and model ecological systems in the southern Appalachians. For his dissertation, Charles is studying the role of major ice storms as forest disturbances in the Appalachians. The research involves sampling vegetation in recently damaged forests, analyzing variations in freezing rain climatology at several spatial scales, and developing approaches to simulate ice storm disturbances with a forest model. Charles has presented papers at two meetings over the past year - SEDAAG (Memphis) and the New River Symposium (Boone, NC). He has also had a paper accepted for publication in *Physical Geography*. His co-authors are Dan Graybeal (University of Delaware) and Ken Orvis, and the title of the article is "Patterns of ice accumulation and forest disturbance during two ice storms in southwestern Virginia." Charles has received a Starkey grant from the AAG to purchase climate data for his dissertation, and he obtained a McCroskey grant from our department to help defray travel expenses.

Brandon League is a second year graduate student. He is currently researching the late Quaternary fire history of Chirripo Paramo, Costa Rica for his master's thesis. Brandon is also a research assistant conduct-

ing particle size analysis on soils for Dr. Orvis' Dominican Republic geomorphology research.

Leah Manos continues to work on her dissertation on tourism in Pigeon Forge and other "entertainment tourism" destinations. Leah is looking at how these destinations do and do not conform to standard tourism destination life cycle models, and reports that she will probably end up with a new model or with a revision of the existing model. This semester Leah is teaching Geography 101. She is putting into practice what she learned about teaching last year from the GTA Mentoring Program.

Andrew Potter traveled to Ireland and Wales this past spring. He recently completed his undergraduate in Logistics and Transportation, and is very excited about the opportunities that are available here in the geography department.

Kim Raia is working on her Master's thesis on Beavers in the Southern Appalachians. She teaches Geog. 131 in the night school and works with the County Technical Assistance Service, **Bruce Ralston**, and grad student **Mike Meyers** to develop a statewide GIS for solid waste sites.

Her slide collection improved after two southwestern trips. Some parks and natural wonders "bagged" (in record time) include Carlsbad Caverns, Mesa Verde, Zion, Canyonlands, Capitol Reef, Bryce Canyon, Goosenecks of the San Juan, Shiprock, Arches, Natural Bridges, Lake Powell and the Great Sand Dunes.

Dave Ralston just graduated from the University of Maryland with two degrees: a B.A. in English and a B.S. in Geography. He previously spent three years of study at Villanova University before deciding that a larger place of learning fit his needs better. He comes to us with an interest in GIS and transportation.

Jennifer Rogalsky, a native of Racine, Wisconsin, is in her third year now working on her Ph.D. Her Master's degree, completed in 1997, is also from UT. Her doctoral dissertation research on welfare reform





investigates the transportation issues and constraints in getting single mothers back to work. Jen was co-author (with **Tom Bell**) for the *Instructor's Resource Manual and Video Guide* New York: W. H. Freeman, 2000 ISBN 0-7167-3450-8 which accompanies Lydia Pulsipher, *World Regional Geography* (New York: W. H. Freeman, 2000). In previous years, Jennifer has won teaching assistant and teaching associate awards but in 1998-1999, she received the prestigious Robert G. Long Outstanding Graduate Award. Her neat trip of the year was to WOODSTOCK '99! She enjoys music, camping, travel to anywhere, but most recently she has been working on her 1924 historic house in the Fourth & Gill neighborhood—Cool!

Mary Ann Russell, spent one week at Mountain Lake Biological Station in Virginia this summer. She interviewed and surveyed scientists and students, and worked in the field, catching salamanders, gathering mushroom specimens, and parasitic plants. She plans more interviews and surveys at a biological station in Puerto Rico, as well as at the university, and at stations in Highlands, North Carolina, and in the Great Smoky Mountains. She worked at the AAG Conference in Honolulu, and also presented a paper, "Subjectivity in Science," with the help of her advisor, **Lydia Pulsipher**. For R&R, Mary Ann went on a great road trip through Memphis to Austin, Texas last year, to compete in the National Slam Poetry Competition as a member of the Knoxville slam Poetry team. She recited one poem based heavily on a table from the biogeography text for Sally Horn's seminar class (one line of which got her five seconds on CTV). After her adventures, she comes home to her three amazing daughters, Rose, Sierra, and Iris.

Del Scruggs is working on research that deals with "infiltration rates measured in situ with a portable rainfall simulator in the Luquillo Mountains in Puerto Rico." Part of this summer he delved into folk architecture. He built a large horse barn in South Knoxville, then a small shanty for his family to live in while he restored a circa 1830 log cabin in Morgan County, TN. The cabin was origi-

nally located near Sneedville, Tennessee.

Jim Speer is working on his PhD to reconstruct acorn production in oak trees using tree rings. Jim continues to work on an outside project with **Sally Horn, Ken Orvis,** and **Lisa Kennedy** examining the potential to do tree ring research in the Dominican Republic (DR). They have been able to demonstrate that some trees in the highlands of the DR produce annual rings, making it possible to develop records of past climate and fire. Jim has presented several papers at professional meetings over the past year, and presented a poster at the AAG meeting in Hawaii. He traveled to Spokane, Washington for a meeting of the Ecological Society of America, and to Breckenridge, Colorado for the Western Forest Insect Work Conference. Jim was part of a workshop on Global Environmental Change sponsored by the Tennessee Geographic Alliance. Please visit his web page for details (<http://web.utk.edu/~jspeer/workshop/>).

Jim is originally from Phoenix/Tucson, Arizona. He spends a lot of time renovating his house here in Knoxville. He reports that he's getting married in January to Karla Hansen. Their wedding is in Arizona.



Alumni News

Vince Ambrosia (M.S. 1980) is a Senior Remote Sensing Engineer for Johnson Controls World Services, a contractor to the Ecosystems Science and Technology Branch at NASA Ames Research Center at Moffett Field (near San Jose), California. He is also the Deputy Project manager for the company. Vince has been at NASA-Ames since receiving his M.S. in 1980. His recent work involves development and utility of airborne sensor systems for environmental analysis, with primary emphasis on thermal IR systems. He recently published an article in *Photogrammetric Engineering and Remote Sensing* (Oct. 1998 issue) entitled "An Integration of Remote Sensing, GIS, and Information Distribution for Wildfire Detection and Management." Vince is also working on a soon-to-be-released publication entitled "Diurnal Reflectance Changes in Vegetation Observed with AVIRIS." During the past year he spent 3 months on the island of Kauai, Hawaii involved in a project designed to place remote sensing sensor packages on-board unmanned remote-piloted vehicles. That large NASA program received tremendous press exposure, as various altitude records were broken aboard the "pathfinder" aircraft. During his time on Kauai, Vince kept busy at the navy Pacific Missile Range Facility, where the activities were based and by snorkeling and playing golf. He has kept busy at Ames with his family, particularly following his two daughters (Rachel and Caitlin) around from soccer tournament to soccer tournament. Vince is still working towards his dream of playing on the Senior Golf Tour when he reaches 50. He reports that progress towards that goal is steady, and that even if it is not attained, he will have at least set a goal and enjoyed working towards it. Vince, his wife Mary Ann (whom he met at Tennessee) and his two children live in San Jose, California. He sends warm greetings to all of his old colleagues and professors.

Christina (Tina) Becker (B.A. 1979) reports that, after fifteen years in business, she is finally in her own spacious office 1½ blocks from the Blount County courthouse in a newly renovated 100 year old house. She's

applying her geographical background exploring the hills, valleys, vegetation, and water features of the human body as a Licensed Massage Therapist! On a serious note, she tells us that her education and the support from the Geography Department helps her do well in business.

Kenneth Bennett, (M.S. 1998) is living in Laguna Hills, California. He tells us that he's a proud father once again! His daughter, Alexis Carolina Bennett, was born on October 9, 1999.

Chris Buhi, (M.S. 1997) reports that his son, Zachary Kyle, was born on March 3, 1999 in Olympia, Washington.

James Cannistra (M.S. 1984) is a Senior Vice President of Strategic Accounts for Analytical Surveys, a leading GIS mapping and data conversion firm. As part of his work he is overseeing development of the first photogrammetric base map for New York City. Jim has lived in Washington, D.C. for 10 years. Prior to joining Analytical Surveys in September 1998, Jim was a vice president and manager of Plan Graphics, Inc., a GIS consulting firm.

Sue (Remaley) Costello (M.S. 1991) has held teaching positions at West Chester University, where she taught world, human, and economic geography, and at Temple University, where she taught the Geography of U.S. and Canada. Sue also administered Farmland Preservation programs in two suburban Philadelphia counties. She continues to serve an appointed position on the West Chester Planning Commission. Sue reports that home life is quite busy with her two young children, Jacob and Anna.

Rick Davis is still employed at Weingarten Realty Investors in Houston TX. We've broken all records by staying in one locale for 8 years!! He works with the new development department finding sites for shopping centers, presenting the information to potential anchor tenants, WRI executives and leasing staff, and following through the





process until completion of the project. Key markets that he's worked in include Dallas/Ft. Worth, Phoenix, Denver, Colorado Springs, and various cities in Louisiana. Rick finished his MBA in the summer of 1998 and is still awaiting the big pay increase and promotion that should naturally follow such an accomplishment. He is also about 1/4 the way through an unsigned copy of Dr. Aiken's tome, *The Cotton Plantation South Since the Civil War* and will finish it as soon as he is finished with some other light reading (*War and Peace*).

Wendi is attending college full time in pursuit of her bachelors degree in teaching. She is also a vestry member at the Episcopal Church and is the volunteer coordinator at our sons' school. In her spare time she is also a mom and wife.

Stuart (11) is in fifth grade and is in AA classes (academically advanced). "He is so much brighter than me (which I'm not so certain is a compliment) but I'm still much better looking than him!"

Patrick (8), in third grade, is the sociable son. His favorite pastimes are soccer and not staying home.

Roger Dendinger (Ph.D. 1998) is teaching at the South Dakota School of Mines and Technology in Rapid City, South Dakota. Roger recently received one of the South Dakota Governor's Awards for Teaching with Technology. This grant came with a summer salary, some travel money, and software. He spent the summer learning about web page design, internet courses, and anything else in the realm of "educational technology" that seemed appropriate for geography.

Course preparation consumes much of his time. The political science courses in particular are major investments of time. For the near future he will be responsible for three – American Government, State and Local Government, and International Relations (an upper level course and a natural fit for a geographer). His Intro to Geography will be a required course in the new GIS certificate program offered in the Geology Department. Roger has created two world regional geography courses and a cultural geography course, and he hopes to add a North America course sometime soon.

Carolyn Koroa (MS 1997) having worked with the navigation people at TVA for three years, accepted an assistant lecturer position at the university of the South Pacific in Suva, Fiji. The University of the South Pacific (USP) is one of only two regional universities in the world (the University of the West Indies is the other). USP has 10,000 students, almost half of which are getting a 'distance' education, from 12 member countries in the South Pacific.

Carolyn is a lecturer in GIS at USP, an area of geography that is increasingly important in USP's nine member department. She is teaching the Intro to GIS class, with an average class size of 60 students per semester. Other GIS classes at USP include remote sensing, advanced GIS, and a senior level project course. The USP is the only GIS education facility in the islands.

Although missing family and friends, Carolyn and her son Bobby are enjoying the tropics, and are a darned sight closer to the beach than they were in Knoxville! Carolyn's husband Metu, still in Knoxville, will join them at the end of the year. Next year, Carolyn will be a doctoral candidate as well as a lecturer, and Metu will be getting a higher degree in his field, Marine Studies. Visitors are welcome! E-mail Carolyn at koroa_c@usp.ac.fj.

Tom Maertens, Jr. (MS 1980; Ph.D. 1990) reports that after three years with the Association of Graduates at West Point, he accepted a position at Clemson University. This is his fifth home in ten years and he and his wife, Karen, believe this is the last! Tom's parents, brother and sister all live in the Palmetto State, and he feels that it's nice to be "close to home" for a change. Tom is a volunteer firefighter/EMT with the Clemson University Fire Department. He hopes that his travels for Clemson will allow him to see old friends and the new building!

Troy Murray is working at Andersen Consulting in Atlanta. Troy is part of the Supply Chain Modeling Group. He works on Logistics Network modeling projects which help clients to reduce transportation cost and to make warehouse decisions such as opening/closing of locations, capacity increase, and product availability. Also, Troy

creates GIS maps that are used in client proposal work, analysis of clients' supply chain issues, and to help clients understand the results of logistics network software output. He also helped develop training course for analyst and consultants. The course teaches new Andersen employees how to use Microsoft Access to analyze logistics data. The course is taught quarterly by Dr. John Langley, Dr. Ray Mundy, and Dr. Chris Norek, Logistics and Transportation professors at UT, and Dr. Brian Gibson (UT Ph.D.), Logistics and Transportation professor at Georgia Southern. *E-mail contact :* troy.e.murray@ac.com

P.J. (Woodcock) Nabors (M.S. 1996) transferred from her position as a Project Leader with the TVA Norris GIS group to another GIS position in downtown Knoxville with TVA Navigation and River Operations. She replaced Carolyn Koroa who moved to Fiji. P.J. is now working for **Ted Nelson**, who is also a graduate of the UT geography department.

Jeffrey Neff (MS 1969, Ph.D 1975) is now in his 26th year at Western Carolina University. He lives on a 30-acre forested tract in the Cullowhee Mountain section of Jackson County, elevation 2700', with his wife Randi and sons Sam (15) and Eric (13).

Jeff's most recent publications are: Chapter 2 in *Understanding Contemporary Africa* (Gordon & Gordon, eds., 1996); and all cartography in *Understanding the Contemporary Middle East* (D. Gerner, Ed., in press, projected 1999 release). His current research includes *Land Conversion; Patterns and Trends in Western North Carolina*.

Tina Newton (M.S. 1999) finished her thesis this past May. The thesis bridged issues in physical and cultural geography and is curiously entitled: "Me Island Have Mighty Fine Jungle: Contentions Over the Cloud Forest of Montserrat." Tina is technically employed with Adecco TAD Technical, who contracts her out to TVA. She works in two departments--TVA regional Natural Heritage Project and TVA's Natural Resources. For Natural Heritage, she collects and maintains data on natural areas in the seven TVA states. For Natural Resources, she

specializes in environmental reviews where she works on environmental assessments and environmental impact statements.

Michael L. Oaks (B.A. 1982) worked as a planner in San Diego for the last 10 years, and now plans to begin graduate school at San Diego State under the Defense Conversion Program to study GIS. He retired as a Navy Reserve Lt. in February 1995. Michael is married to Renee Gauthier and they have a seven-year old son, Todd Alexander.

Kim Pilarski, (M.S. 1996) has been busy working as TVA's wetland biologist in the Resource Stewardship/Regional Natural Heritage Program, conducting environmental reviews and wetland assessments for the seven state TVA region. She has also been working with the Tulsa District U.S. Army Corps of Engineers to develop a hydrogeomorphic wetland model for lacustrine fringe wetlands, which she hopes to be able to apply (with some additional work) to lacustrine fringe wetlands of the Tennessee Valley. Her children (Ian, age 13 and Alex, age 12) attend the magnet middle school, and are active in skateboarding and soccer, respectively.

Dan Royall (Ph.D. 1997) tells us that he is adjusting to new responsibilities as a full-time faculty member at the University of Alabama. Dan is responsible for the following courses: watershed dynamics, water resources, soil genesis classification and conservation, and intro level physical classes. He continues research in erosion and sedimentation, using lake sediment and environmental magnetism. Dan's wife, Kathryn, is working on curriculum for the tree-top ecology project at the University of Alabama arboretum.

On a personal note, Dan & Kathryn's son, Nathaniel Poston Royall, was born on September 18, 1999.





Awards

The Geography Department has a tradition of presenting awards to deserving students for their professional accomplishments in research, teaching, and other activities. The awards ceremony takes place during the last colloquium of the year.

Outstanding Teaching Assistant Awards

Marty Arford for Geography 131-132

Melanie White for Geography 101-102

Outstanding Teaching Associate Awards

Judy Grable for Geography 131-132

Fred Pierce for Geography 101

Outstanding Undergraduate Awards

Jennifer Barnes

Todd Buehlman

Brian McManus

The Robert G. Long Award

Jennifer Rogalsky

Xiaohong Xin

Outstanding Teaching Award

John Rehder

Professional Accomplishment Award

Susan Carney for her work in the Cartographic Services Laboratory and an internship with the National Geographic Society, summer 1998.

Lisa Kennedy for her work as a research assistant on several grant projects in the Dominican Republic and Costa Rica, and her work training students, and as Chemical Hygiene Safety Officer for the Science and Engineering Research Facility

Kyle Rector for his work with the Tennessee Geographic Alliance

Jim Speer for his research and teaching about tree rings, efforts to set up the Dendro-climatology lab, and his research on an EPA grant in the Dominican Republic.

Roger Tankersley for his work at TVA, particularly his work on the Ecological Assessment of the United States Mid-Atlantic Region.

Student Publication Award

Judy Grable “Urbanization and Water Quality: A GIS-Based Study.” Proceedings, Ninth Tennessee Water Resources Symposium. Nashville, TN. April 12-14, 1999.

Charles Lafon “Spatial Patterns of Ice Storm Occurrence in the New River Valley.” Proceedings of the New River Symposium. Boone, NC. April 1999.

Jen Krstolic with L. M. Wolfe. “Floral Symmetry in its Influence on Variance in Flower Size.” The American Naturalist.

Xiahong Xin (and others) “Development and Capabilities of the Health Information Tennessee Web Site for Interactive Health Needs Assessment and Planning Using CGI and GIS Capabilities on the Internet.” Proceedings, GIS in Public Health. 1999.

Students Receiving Grants

Lisa Kennedy - NSF Doctoral Dissertation Improvement Grant

Charles Lafon - Biogeography Specialty Group Award, AAG Fellowship

Kyle Rector - National Security Education Program International Graduate Fellowship

Mary Anne Russell - McClure Fellowship, Spring 1999

Faculty Receiving Awards

Charles S. Aiken -The John Brinckerhoff Jackson Prize for his book- The Cotton Plantation South After the Civil War. Baltimore: The Johns Hopkins University Press 1999.

Bruce Ralston - The Ullman Award from the Transportation Specialty Group of the AAG.





Investment Opportunities

Your gift to the Geography Department may be designated for a specific purpose or fund or given to the department's Enrichment Fund as discretionary funding. Be assured that it will make a difference! Existing funds are shown below. Please contact **Carol Harden** if you would like more information or if you would like to target your gift for a purpose not shown. The Development offices of the College and University would be pleased to have you ask about other forms of giving, such as bequests, charitable lead trusts, and gifts of the remainder interest in a personal residence or farm, and they are set up to help you evaluate the tax benefits of different gift options. All contributors making gifts of a hundred dollars or more are eligible for University recognition via the Gift Club. Our funds:

The Tennessee Geography Education Fund - This endowment began in 1997 with gifts from J. Harrison Livingston and the Tennessee Geographic Alliance that were matched by the National Geographic Society (see article, this newsletter). An additional \$238,000 can be matched by National Geographic.

Stewart K. McCroskey Memorial Fund - Established by the McCroskey family after Stewart's death, this fund supports field research and professional travel by geography students and faculty. (See article, this newsletter)

Sid Jumper Teachers' Scholarship Fund Established in 1995 when Sid Jumper stepped down from the role of Head of the department, this endowment is being developed to support graduate training for K-12 teachers.

Bill and Donna Cobble Geography Enhancement Endowment - Proceeds from this fund, established in 1995 by Bill and Donna Cobble in support of undergraduate education in geography at UTK, are used to enhance the educational experiences of undergraduate students.

Edwin H. and Elizabeth H. Hammond Endowment Fund in Geography - Established to honor Professor Hammond, who retired in 1987 and who continues to match gifts to the fund, this fund brings a distinguished lecturer to the department each year.

Robert G. Long Outstanding Graduate Student Award Fund - The Robert G. Long Award, established to honor Professor Long who retired in 1980, honors one or two graduate students each year for superior scholarship and service to the department. The students are recognized on a plaque and receive checks of \$50.

Geography General Award Account - Additional funds used to recognize student achievement.

Geography Department Scholarship Fund - To provide one or more tuition scholarships to outstanding undergraduate geography majors.

The John Fox Social Fund - Initiated by John Fox (alumnus and Advisory Board Member) to help the department hold more social functions that bring students and faculty together informally.

The Geography Department Enrichment Fund- This fund may be used to meet special needs as determined by the department faculty. In recent years, it has supplemented the increasingly insufficient operating budget and helped purchase equipment and support travel to professional meetings. Pressing needs at this time include \$2000 to complete the purchase of a new computer projection system; a research-grade digital camera; a new computer for the department office; gifts to enhance the department's ability to equip and furnish the new building; and unrestricted gifts to bolster the operating fund.

Please send your gift to: Department of Geography, University of Tennessee, Knoxville, TN 37996-1420. Make checks payable to: University of Tennessee, but also use the memo line on the check to indicate "Geography" and, if you wish, to indicate a specific fund.

Keep Us Up to Date

Please share your news with us, and other alumni, *especially if you have a new address*. Or share news of other alumni! **Return this form** to Becky Fontanez, Dept. of Geography, Univ. of Tenn., Knoxville TN 37996-1420, or fax us at (423) 974-6025, or email to utkgeog@utk.edu

Name: _____

Degree(s) if any; and Year(s): _____

Address: _____

Phone(s), email, et cetera: _____

NEWS... (employment, career activities, family, achievements, awards, publications, travel, other):





The Newsletter of the University of Tennessee Department of Geography

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