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GEORGIA GEOLOGY

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OVERBURDEN

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PRESIDENT'S COLUMN

Greetings to All;

We had an unusually wet spring and summer this year, but at least there has been plenty of green pasture for my cattle. But now it looks like cooler (& drier) weather has finally arrived so let's hope the worst of this year's hurricane season is behind us!

Many of you had a chance to attend last year's field trip to the Valley & Ridge of northwest Georgia (and adjacent portions of Alabama) organized by Tim Chowns and Randy Kath of the University of West Georgia. Unfortunately, I could not attend but I understand it was a great success.

In addition to the masterful organization and guidebook preparation by Chowns and Kath, the trip featured a large cast of contributors and stop leaders. These included Matt Mittenthal, Dennis Harry, and Richard Groshong (Univ. of Alabama), Tim Long (Ga. Tech.), Julie Bartley, John Congleton, Tom Crawford, Jim Mayer, and Richard Sanders

(Univ. of West Ga.), Deana Sneyd (Golder Associates), Carl Froede (US EPA), Jerry Arkridge (Sypris Data Systems), Mike Higgins and Ralph Crawford (The Geologic Mapping Institute), Terrance Garner (Univ. Texas - Austin), C.T. Williams and Charles Selman (Florida Rock Industries), and Tony Roberts and Ronnie Wilbanks (Vulcan Materials). Florida Rock and Vulcan graciously gave permission for access to their quarries for several of the stops and the social was supported by a generous donation from Florida Rock.

This year's field trip will take us back to the Elberton Granite district for a new look at the granite and country rock so I look forward to seeing you all there! Until then, have a safe and productive fall.

Best Regards,
Bruce O'Connor
Whippoorwill Farm

DIGITAL GUIDEBOOKS

Randy Kath has been hard at work scanning back issues of our guidebooks. As you know copies of the 2003 & 2004 guidebooks are already available on disc but by October we should have five year sets for 1985-89; 1990-4, 1995-1999 & 2000-2005 available for sale. These sets should be particularly useful for new members just moving into our area. By next year we hope to have all our guidebooks available in this format.

We owe Randy a big thank you for taking the initiative on this project as well as for putting together our spiffy new Website. Check it out at: <http://www.westga.edu/~ggsweb/>

FIELD TRIP 2005

GEOLOGIC INVESTIGATIONS OF
ELBERTON GRANITE AND
SURROUNDING ROCKS

October 7-9, 2005

This year's fieldtrip will focus on the "granite capital". According to trip coordinators, Mike Roden and Sam Swanson, we will visit operating quarries in the Elberton and Danberg granites as well as cutting sheds at the Keystone Quarry. The Elberton and Danburg granites are two Alleghenian granites with similar chemistry but distinctly different texture; while the Elberton is medium grained the Danburg is very coarse with Rapakivi texture. We will review previous work on the granites and associated rocks by Jim Whitney, Jay Stormer, Dave Wenner and Dave Dallmeyer but also emphasize new work. In particular this will include work by:

Mohammed Khalifa and Rob Hawman: seismic imaging of the Elberton pluton.

Doug Dvoracek and Mike Roden: petrology and geochemistry of mafic inclusions in the Danburg Granite.

Sam Swanson: igneous texture and mineralogy

Paul Schroeder: weathering in igneous rocks

Rebecca Chenhall: radon issues associated with the Elberton granite

Dave Wenner, John Dowd and Jim Renner: Piedmont hydrogeology and environmental issues in the Broad River watershed.

Alberto Patino-Douce and Drew Mirante: pressure-temperature conditions in the Piedmont

Also included will be:-

A textbook example of a diabase dike with well preserved chill zones.

Enigmatic ultramafic bodies with perfectly preserved igneous textures in Piedmont gneisses of the Russell Lake Allochthon

Headquarters for the trip will be at the Holiday Inn (\$72) and Holiday Inn Express (\$82-102) in Athens (706-546-8122 or 1-800-Holiday). Blocks of rooms are reserved and members should make reservations before September 16th. The reservation code for Holiday Inn Express is 'GEO' and for Holiday Inn 'UGA Geological Society'

Members may register online or by using the form at the end of the Newsletter

EXPOSURES

GEORGIA PERIMETER COLLEGE

Georgia Perimeter College is currently teaching geology courses on the Dunwoody, Lawrenceville, Clarkston, and Decatur Campuses, as well as at the Alpharetta site and Online. The Lawrenceville Campus and Gwinnett University Center are scheduled to be phased out as the new four-year Gwinnett State College (or whatever its future name may be) is established at that location. The Gwinnett State College is scheduled to begin offering freshman and sophomore level courses in 2007-2008. We are all waiting to see how the transition will work.

Lawrenceville campus has two full-time tenure track faculty, Ms. Polly Bouker and Ms. Deniz Altin. **Polly Bouker** traveled to Mexico this summer where she was able to view Volcan del Fuego in Colima. In addition to her teaching, she continues to serve as Assistant Chair in the Science department. After a busy summer of teaching and a trip to New Jersey, **Deniz Altin** is taking part in the Lawrenceville Campus IT Scholars program to develop a hybrid course in

Majors Biology to be offered by Fall, 2006. Deniz holds M.S. degrees in both Geology and Biology. Part-time faculty at Lawrenceville are: **Jeff Chaumba**, PhD student at UGA; **Noel Heim**, PhD student at UGA; **Joe Summerour**; and **Dr. Don Thieme**.

This fall the geology faculty on the Dunwoody Campus will increase by one. Joining **Dr. John Anderson** and **Dr. Dion Stewart** will be **Ms. Kimberly Schulte**. She has been teaching part-time, mainly Environmental Science, the last several years, but will join the geology faculty teaching geology on our Alpharetta Center and will continue to teach Environmental Science on the Dunwoody Campus. Kimberly earned her B.S. and M.S. from the University of Tulsa in Environmental Geology. She has taught part-time at GPC since 2001, and also part-time at DeVry University and Gainesville College. Kimberly will be an asset for the Dunwoody Campus.

Dion Stewart who joined the Dunwoody Campus last fall is getting situated and jumping into the team on the Dunwoody Campus. He's taking an active role in the department.

John Anderson continues to be the Science Department Chair at Dunwoody Campus. He is busy with the administrative duties. This past year he was able to assist with the preparation of a poster for the Denver meeting of GSA. The poster presented the work from the Research Experiences for Undergraduates (REU) of the students that participated in the Atlanta Consortium for Research in the Earth Sciences (ACRES) program during the summer of 2004.

Dr. Anderson is now in the process of writing a paper dealing with the research that has been done on the Sandersville Limestone by the various ACRES groups. Writing is slow, fitted between his Departmental duties.

This past year has seen an increase in the number of part-time instructors in geology at Dunwoody. We have had **Marsha Hoo** (B.S. University of the West Indies; M.S. Michigan

State University) who taught Physical Geology lecture, **Karen Layou**, a Ph.D. student at UGA (B.S. Penn State; M.S. University of Cincinnati) taught for us, **Rebekah Pierro** (B.S. Bryn Maur College; M.S. University of Alabama) taught Physical Geology labs, and most recently, **Martha Carr** (B.S. Georgia State University; M.S. Georgia Tech) re-joined the part-time teaching ranks on the Dunwoody Campus. Martha taught on the Dunwoody Campus several years ago and is now back teaching for us again. Our more 'old timers', **Tom Lawrence** has taught for us in the past year, as well as **Carol Gelbaum**, who has been teaching for several years.

Dr. Pamela Gore and **Ms. Lynn Zeigler** continue to teach at Clarkston Campus. **Pamela Gore** has been on a Writers Institute Fellowship during Spring 2005, which gave her a break from teaching, and freed her up to work full time on the Roadside Geology of Georgia book that she is writing with Dr. Ed Albin. She has also been working on a Math Science Partnership grant with Whitfield County, which involved a complete revision of the Earth and Space Science for Middle School Teachers course, to follow the Georgia Performance Standards (the new State curriculum). She is also working on a revision of the website that accompanies one of the historical geology textbooks, as the text goes into another edition, and continues to teach both online and in the classroom. **Lynn Zeigler** stays busy planning and coordinating the Science Olympiad regional tournament held at GPC, in addition to her teaching duties.

Clarkston part-time geology faculty includes **Dr. Ed Albin** (Ph.D. in Planetary Geology, 1997 from UGA) and **Mr. Don Lundy** (M.S. 1978, University of Wyoming). **Dr. Albin** also works at the Fernbank Science Center. You may have seen his name in the paper in connection with the tektites that are scattered over the Georgia coastal plain. **Don Lundy** is a hydrogeologist with ES&T, a Division of Groundwater and Environmental Services, Inc.

in Norcross. His full time job involves groundwater data analysis and modeling related to petroleum releases. He just returned from vacationing, where he enjoyed looking at igneous, sedimentary, and metamorphic rocks, while testing Holocene wines at various locations, in the Front Range of Colorado.

Decatur Campus will be entering its second year of geology courses. During 2004-2005, the courses were taught by part-time instructor, **George Puvvada**, who has a consulting and engineering services business, based out of Marietta, GA. In Fall 2005, we welcome part-time instructor **Doug Daniels** (M.S. in hydrogeology from Purdue University). Doug is currently serving as President of the Georgia Mineral Society (until October 2005). He began his career in the oil industry, and more recently, has worked in the environmental field.

VALDOSTA STATE UNIVERSITY

New Facilities

The big news at Valdosta State is that we just moved into newly renovated facilities for Spring Semester 2005. Our department now occupies the entire 2nd and 3rd floors of Nevins Hall and about one-third of the 1st floor. The 1st floor space is devoted to the Geosciences, including a rock prep room, shop space, lab space for 1000 level labs in physical geology and introduction to landforms, and a research lab. We share the 2nd floor with the pre-Engineering program. Geoscience highlights include a 25 station GIS/computer lab, lab space for teaching weather and climate and historical geology, classrooms, and upper-level lab space. The 2nd floor also has a new department office suite, office spaces for individual faculty, and a small group student study room. The 3rd floor is mainly Physics and Astronomy, but the Geosciences have some faculty office space on the 3rd floor and there is a department commons for the faculty and a large student study room

for students of all the various majors offered through our department.

Summer Field Trip

We offer a summer field trip class every other summer. These classes are offered during the 3 week Maymester session, and involve a week of preparatory study on campus followed by a 2 week visit to a place of interest. Two years ago we sent a trip to the northern plains, including Iowa, Nebraska, North and South Dakota, and Manitoba. Summer of 2005 **Dr. Mark Groszos** and **Dr. Judy Grable** co-lead a trip to the American Southwest, making stops in New Mexico, Arizona, Utah, and Colorado. We feel these trips are a very important to expose our students to things they can't experience in Georgia or other parts of the southeast.

2005 Georgia Academy of Science Meeting

Valdosta State Geosciences sent several students to the 2005 Georgia Academy of Science Meeting to make presentations. These presentations included work on soil temperature measurement, the effects of Hurricane Ivan on barrier islands off the coast of Pensacola, and carbon sequestration in south Georgia lakes.

Promotions, Tenure, and Hirings

Effective for the 2005-2006 academic year, **Dr. Eric Brevik** has been promoted to Associate Professor of Geosciences and **Dr. Michael Noll** has received tenure. We were also successful in getting a full-time temporary position upgraded to a tenure-track position, and we hired **Dr. Brian Bossak** to fill it. Dr. Bossak received his B.S. and M.S. degrees from the University of Georgia and his Ph.D. from Florida State University. He is a physical geographer who specializes in tropical cyclone prediction and climatology, applied geographic techniques (GIS and Remote Sensing) for environmental studies such as land use/land cover change analysis and coastal hazards assessment, and the public health implications of global environmental change. Dr. Bossak comes to us

after serving as a Mendenhall Post-Doctoral fellow with the USGS.

Eric Brevik

GEORGIA TECH: EARTH & ATMOSPHERIC SCIENCE

Tim Long, who came to Georgia Tech in 1968 and established our graduate program in geophysics, has retired officially but will continue for the time being to teach and direct graduate students with no obvious reduction in his workload. As thesis advisor to a large number of M.S. and Ph.D. students over more than three and one-half decades, Tim has started many on the way to highly successful careers in geophysics. The presence of a number of his former students at a recent party in his honor, and messages from others who could not attend, attest to his esteem in the eyes of those who studied under him.

Two new faculty members specializing in earth science are joining us this year as Assistant Professors. **Andrew Newman's** B.S. degree in geophysics is from Texas Tech University, and his graduate degrees, also in geophysics, are from Northwestern University. His research interests lie in understanding active deformation and failure of the Earth's lithosphere in seismic and volcanic provinces and their effects on society. Thus, his studies are focused on advancing our understanding of natural geologic hazards.

Andrew Stack's B.S. degree in geological sciences (geochemistry option) is from Virginia Tech, and his graduate degrees are from the University of Wyoming. His research interests are in mineral surface structure and reactivity at the molecular level, which he studies by scanning-probe microscopy, by wet-chemical experiments and spectroscopy, and by quantum chemical studies.

Marion Wampler

COLUMBUS STATE UNIVERSITY

We've had several administrative role changes and additions in and around the geology program, along with some interesting projects. **Tom Hanley** is now Chair of the department of Chemistry and Geology (up from Acting Chair), and **Bill Frazier** has taken on the extra hat of Coordinator of the Environmental Sciences graduate program. The department has become even more diverse with the addition of an archeologist (**Warren Church**), a physical geographer (**Roger Brown**), and an astrophysicist (**Zo Webster**).

Roger Brown has interests in Quaternary paleoecology, geomorphology, human/environment interactions, and environmental history. His doctoral research, at the University of Tennessee, used pollen and charcoal evidence in sediment records to document forest disturbance by Native American populations in Upstate New York. As a Post-doc at the University of Maryland Center for Environmental Science, he became involved in an NSF-funded project in collaboration with the USGS examining historic sedimentation and associated hydrologic, geomorphic and vegetation change in the lower Roanoke River floodplain in eastern North Carolina. He also recently visited the Grand Canyon and admits to having attended SEFOP meetings. Dr. Brown will be making a major contribution to our program in Environmental Sciences as well as teaching courses related to Geology.

Bill Frazier has been editing the Earth Science sections of the on-line *New Georgia Encyclopedia*, and put on the finishing touches this past year. Now he is waiting for the results to appear on the website. He also vetted three articles of the journal *Regulated Rivers*. Bill also attended last year's GGS Field trip. Bill's graduate advisee, Thomas Lindblad, successfully defended his Master's thesis on the groundwater hydrology of a leachate plume from an unlined sanitary landfill. Thomas has

returned to his native Sweden after graduation, presumably watching for frozen groundwater leachate.

Tom Hanley is still digesting all the analytical data generated over the past six summers through ACRES. Some of this data found its way into the Field Trip guide organized by Mark Steltenpohl (Steltenpohl, M.G., Ed., Southernmost Appalachian Terranes, Alabama and Georgia, Field Trip Guidebook, Geological Society of America Southeastern Section 2005 Annual Meeting). Tom contributed several stops on the second day as well as an article based on ACRES data comparing the amphibolite bodies in the Uchee belt.

David Schwimmer as usual has been dividing his research time between the Cambrian and the Cretaceous. A long-term project on the soft-bodied Middle Cambrian biota of the Conasauga Formation from Floyd Co., GA, is finally ready to send for review at *Palaios*, after interim reports at several GSA meetings (most recently, at SEGSA in Biloxi: Abstracts With programs, vol. 37(2): 3). The final paper describes red and green algae, three sponges, a non-sclerotized trilobite, priapulid trace fossils, trilobite gills, and some novel preservational mechanisms. Also at the Biloxi meeting, Bill Montante (Marsh, Inc., Atlanta) and David presented a poster on brachiopods from the Conasauga Fm. (Ibid., p.12). In March, his long-delayed co-authored paper (with Thomas Carr and Tom Williamson) on the "Alabama tyrannosaur", now officially *Appalachiosaurus montgomeriensis*, appeared in the *Jour. of Vertebrate Paleontology* v. 25(1):119-143. Follow-up work in the next year will address whether this was the only large Late Cretaceous tyrannosaur in the region, or if others lurked. David is planning to survey regional amateur- and orphaned university collections (especially from deposits older than the late Campanian).

David will co-author a poster at the October meeting of the Society of Vertebrate Paleontology (in Arizona), on the unique

theropod feather site in Russell Co. (eastern) Alabama. This small, carbonaceous mud exposure of the Santonian age Eutaw Formation may be the only known non-marine Late Cretaceous deposit in the Southeast, and has yielded insects, spiders, conchostracans, many terrestrial plant remains (including insect-eaten leaves, catkins, megaspores and possible fungal hyphae), and three, well-preserved feathers. The primary work on this site is being done by Terry Knight and Sean Bingham, both CSU geology graduates and now MS candidates at Auburn University. Further work will characterize the environment of deposition (e.g. tidal delta, overbank deposit or oxbow), the identification of the feathers (flying or non-flying theropod?) and some other mysteries (possible eggshells?).

David's graduate advisee, Tracy Hall, is in the final throes of completing her thesis on the Late Cretaceous paleoclimatology of the eastern Gulf Coastal Plain. She has pulled together data from several paleoclimate proxies (e.g. O, Sr and P isotopic ratios, marine and terrestrial community compositions, and leaf margin analyses), and is scheduled to defend the thesis at the end of fall semester.

David Schwimmer

UNIVERSITY OF GEORGIA

The Geology Department at UGA weathered the budgetary storm with no loss of faculty or staff...and we even managed to replace those ancient petrographic microscopes that some readers may fondly remember. We are pleased to have received funding for a new endowed fund for student research. From a student's perspective, one of the best features of our department is the **Wheeler-Watts Fund**, an endowed fund that allows us to provide small research grants to our graduate students to assist their field and lab work. This fund is complemented by the **Bernadette and Gilles Allard Fund** which is specifically targeted to

fund field research and the **John Sanford Levy Fund** which is targeted to fund marine studies. Now we have a new fund, the **Joseph A. Berg Fund** which will provide small research grants for student research in geophysics. Generally we ask the students to prepare a short proposal which is evaluated by a faculty committee. Fortunately the financial assets are such that we are able to fund most student proposals and this is a very effective tool in our graduate programs.

As most of you know the GGS trip will be run out of Athens this year led by **Sam Swanson** and **Mike Roden**. Our focus will be on Elberton but not only on granite petrology: **Rob Hawman** will review recent seismic imaging that constrains the thickness of the Elberton pluton, **Rebecca Chenhall** will review radon problems associated with the Elberton granite, **Paul Schoeder** will discuss weathering of granitic and gabbroic rocks in the Piedmont, **Jim Renner** will review the special features of the Broad River watershed, and **Sam Swanson** will lead a discussion of laboratory exercises in mineralogy. There will be plenty of petrology however, with **Jim Whitney**, **Sam Swanson**, **Doug Dvoracek**, **Alberto Patino-Douce** and **Mike Roden** leading discussions on the petrology of the Elberton and Danburg granites, their pegmatites, diabase dikes of the Central Atlantic Magmatic Province, and the metamorphism of the Piedmont. The trip will run Oct. 7-9 and an announcement is in this newsletter.

Our field programs went well this year, and our field school (in collaboration with the University of South Carolina) had a whopping 22 students that kept **Doug Crowe**, **Chris Fleisher** and Matt Kohn (USC) busy. The students continue to use handheld GPS units and ArcView software to make their geologic maps – this experiment seems to be working well although there is the occasional hiccup. The Geology Honors Program led by **Dave Wenner** with the help of **Paul Schroeder**, **Jim** and **Sandy Whitney** and **Joe and Nikki Elkins** went smoothly this year – again covering

10,000 miles from Mt. St. Helen's to the Grand Canyon to Sapelo Island for eight weeks during the summer semester. This very successful program gives credit for GEOL 1250 and 1260, along with introductory classes in ecology and anthropology (a full semester's credit) for each student that takes the class.

Over the past few years we have been disappointed in the numbers of new geology majors entering our program (although this fall we have 16 enrolled in mineralogy, the major's core course). Consequently we have attempted to attract majors by various initiatives, and in the last year we added an optional all day field trip to our arsenal. This trip yields 3 points credit for the students and introduces them to various aspects of the geology of the Inner Piedmont. The trip is led by **Dave Dallmeyer**, and Dave has written a workbook with questions that the students must answer in the field. They get credit for the work provided they turn in an acceptable workbook. We have felt all along that students in GEOL 1121 (Earth Processes and Environment) and 1122 (Earth's history of Global Change) miss out on the fun of fieldwork since neither class requires a lab. We hope that these field trips will give students some sense of the beauty of natural science and attract new majors to our program. We just started these trips in the past year so it is too early to know if this will be a successful program, i.e., in attracting new geology majors.

On to faculty news: **Doug Crowe** continues (with **Paul Schroeder**) to work an NSF funded microbial Observatory project in Kamchatka...Their field area is situated in Uzon caldera – an area much like Yellowstone but also known for the largest bears and moose on the planet...given that experience it is perhaps not surprising that Doug was also president of the faculty senate at UGA during quite a tumultuous year, a position which he has gratefully relinquished this fall. **Sue Goldstein** also has an NSF funded project to study primitive foraminifera on the Georgia coast, Cape Cod and The Florida Keys (why am I suspicious about the locations of this work?)

and Sue, as department head, continues to lead the department towards calmer fiscal seas. **Rob Hawman**, also with the aid of NSF, is studying the Appalachian Mountain Belt using seismic reflection and refraction to try to answer the intriguing question of whether or not the Appalachian Mountains still have a crustal root. Rob also received the **J. Hatten Howard III Teaching Award** from the Honors Program – this is a university wide award (named in honor of former geology professor, Hatten Howard) recognizing excellence in teaching...those of you who have had Rob as a professor may remember his innovative and patient style. **Steven Holland** is continuing his research with graduate students Karen Layou and Noel Heim into the causes and structure of regional paleoecological crises, such as extinction events and biotic invasions. With his former master's student, Jessica Allulee, Steve has a paper coming out in *Palaios* that establishes the marine depositional environment of some of the oldest known fossil fish, from the Ordovician Harding Formation of central Colorado. Steve is also now on the steering committee of the Paleobiological Database (paleodb.org). **Erv Garrison** continued his NOAA-funded research at Gray's Reef National Marine Sanctuary assisted by Ms. Jessica Cook, an M.S. candidate in geology. They focused their efforts on continued geoarchaeological studies which included geological mapping, surveying and collection of vertebrate fossils and prehistoric artifacts. Gray's Reef is a National Marine Sanctuary located 20 miles seaward of Sapelo Island, Georgia. Here Pliocene calcarenite outcrops have been exhumed by erosion (see <http://www.graysreef.nos.noaa.gov/>).

Valentine Nzungu is busy developing new courses in environmental geology, and the department plans to offer two new Environmental Geosciences courses in the next academic year. He continues to work on development of in-situ bioremediation technologies to address perchlorate contamination in soils, and holds the current prize for most graduate students: 7. **Alberto Patino-Douce**

continues his fascination with the nature of crustal melting and has produced virtual migmatites using simple physical laws that govern the interaction of melt and solid. Together with **Mike Roden**, and as a consequence of the planetary geology course the two have taught the last few years, Alberto is focusing on the behavior and history of the halogens in planetary mantles – these elements are important because they yield constraints on the volatile budget of a planet and may be particularly high in Mars. Together, **Marta Patino-Douce and Alberto** have developed an exciting Study Abroad Program in Argentina which will introduce students to the fascinating geology and incredible landscapes of Argentina. This program will cover 7000 km and like all Study Abroad programs will give college credit for geology courses (more info: <http://www.arches.uga.edu/~mapation/arghome.html>). **Bruce Railsback** continues to be deeply involved with his radical reinvention of the Periodic Table; recently Bruce authored a featured paper for *Am. Mineralogist* (*Am Min.* 90: 1033). He also continues his research on meteoric diagenesis of ancient limestones (with **Steve Holland**) and on paleoenvironments recorded in speleothems. **Paul Schroeder**, in addition to his Kamchatka project, is working with **John Dowd** and student, Jay Austin on carbon sequestration and diffusion in soil minerals gibbsite and goethite. They just finished a 4-day, 2400 mi trip to collect Ordovician Neda Formation from various spots in the midwest, which will hopefully bear new insights to paleo-carbon dioxide barometers. Student Jennifer Kyle continues her collaboration with Paul on the Kamchatka microbial observatory in Russia, with two new papers soon to appear on biomineralization in terrestrial hot springs. Paul's colleague, **Isik Ece** of Istanbul Technical University has been appointed to Adjunct Professor status at UGA; Paul and Ece continue to study halloysite deposits in Turkey. Paul also collaborates with Glenn Stracher on coal fire sublimate studies. **Sam Swanson** continues his

work in petrology and will be involved in both the GGS fieldtrip and the Carolina Geological Society where he will review the petrology of the ultramafics in the Blue Ridge. Sam is continuing his innovative petrology of archaeological materials including slags and various glasses. **Sally Walker** will be taking a year of leave to focus on research without teaching (wow!!) and in particular she is planning to continue her work on gastropod preservation and paleoecological dynamics in shelf and slope settings with field research planned in the Bahamas and the Dominican Republic. **Dave Wenner** has been working hard on local environmental issues as a key member of the Upper Oconee Watershed Network. Noteworthy is the group's discovery of high nitrate levels in the small stream that runs along the Orange Trail in the State Botanical Garden...the apparent culprit was a swine farm owned by UGA upstream from the Botanical Garden. Dave is working with the University as well as other people on campus and in the EPA to solve this problem. **Jim Wright and Sandra Wyld** continue NSF-sponsored field investigations in the Lesser Antilles and in the western North American Cordillera. Jim and Sandra have recently been mapping the Islands of Aruba and Bonair; a key tool in understanding the geology of these areas is the SHRIMP at Stanford which Jim uses to date individual zircons.

Our emeritus faculty has developed a cottage industry: lecturing on boats (or jetliners) traveling on tours of exotic locales. This fall **Gilles Allard** will lecture on a tour of the Asian continent by Boeing 757 (first class accommodations only), **Norm Herz** will be lecturing on a cruise to the Hawaiian Islands, and **Mark Rich** is lecturing on a tour to Scandinavia. **Bob Carver** has been traveling on his own a great deal over the last few years and

reports that he visited 30 national parks and monuments over the last few years. **Vernon Hurst** continues to be in the department on a daily basis working on his book on geochemistry which should be done by the time this newsletter goes to press.

Further information about faculty and alumni can be found in our on-line newsletter at <http://www.gly.uga.edu/pdf/alumniNewsMay2005.pdf>

Mike Roden

TREASURER'S REPORT

Balance in account February 29, 2004		\$7111.07
Income		
Dues	680.00	
Fieldtrip registration	3055.00	
Late Fees	45.00	
Lunches	905.00	
Guidebook sales	485.50	
CD Sales	100.00	
Total		5270.00
Expense		
Fieldtrip buses	2050.00	
Fieldtrip lunches	825.89	
Guidebook printing	1215.11	
Other printing expenses	288.04	
Smoker	206.84	
Rolater Park donation	100.00	
Fieldtrip refunds	35.00	
Newsletter	227.22	
Postage	7.52	
Science Fair (2004, 2005)	300.00	
Miscellaneous	7.91	
Total		5263.53
Balance in account July 31, 2005		\$7117.54

GGG FIELD TRIP REGISTRATION FORM

GEOLOGIC INVESTIGATIONS OF ELBERTON GRANITE
AND SURROUNDING ROCKS

October 7 - 9, 2005

Headquarters: Holiday Inn, Athens

Please return by September 30, 2005
toDr. Randy Kath, Department of Geosciences,
University of West Georgia, Carrollton, GA 30118

Name as you wish it to appear on name tag _____

Affiliation as you wish it to appear on name tag _____

Mailing Address. Home _____ Business _____ (Please check one)

Company or Acad. Dept. (if appropriate) _____

Number, Street or Acad. Institution _____

City, State, Zip _____

Daytime phone number _____ E-mail _____

Registration fee includes transport, guidebook, Friday Smoker, refreshments and dues

Registration Fee (Professional, \$45.00; Full time student, \$15.00)

Please add \$10.00 late fee if registering after September 30 \$ _____

Saturday lunch (\$6.00) Meat Sub Veggie Sub \$ _____

Choice of

Sunday lunch (\$6.00) Meat Sub Veggie Sub \$ _____

For those not attending trip only

Guidebook by mail (\$10.00) \$ _____

Society dues for 2005-6 (\$5.00) \$ _____

Total \$ _____Please make checks payable to **Georgia Geological Society**