



## AIPG GEORGIA SECTION

Ron Wallace, President  
Eric Lowe, Vice President  
Glen Faulkner, Treasurer  
Hanna Hill – West Georgia student chapter  
Rebecca Pickering – Georgia State student chapter  
Don Osborne – Columbus State student chapter  
John Harper and Patti Northcutt – University of Georgia student chapter

February 2013

### NEXT MEETING

#### **DRILLING DEMONSTRATION, SOIL DESCRIPTION, AND SAMPLING**

**When:** 1:00 PM – 5:00 PM Monday, February 11, 2013

**Where:** Berry College, Rome, Georgia

AIPG Members and guests call or email by Friday February 8, 2013, if you plan to attend  
[Call Ron Wallace (404) 362-2589 or [ronald.wallace@dnr.state.ga.us](mailto:ronald.wallace@dnr.state.ga.us)]

---

#### **PRESIDENTS MESSAGE**

The first month flew by but we have been busy planning activities for our Georgia Section. Eric and I participated in Sciencepalooza at McClure Middle School in Cobb County. We talked about the Grand Canyon and I was really surprised of the small number that had visited out west. A few were ready to go after seeing the pictures of Eric's hiking trip to the north rim and back. I was also recently a judge for the science fair in Fulton County.

We have our six students for 2013 that will receive a membership plaque and our section scholarship. We hope to have a few career nights at different universities. If you would like to participant let Eric or I know. We hope to have activities in the Atlanta area, Carrollton, Athens, Columbus, and maybe Statesboro.

Students only have until February 15<sup>th</sup> to apply for our National scholarships. The details are below.

At the National level AIPG has announced members that will receive their 25 year membership lapel pin. We have one member, John Absalon, on that announcement. Congratulations John.

Speaking of membership please if you haven't paid your annual dues, please do as soon as possible.

---

#### **WELCOME NEW MEMBERS**

Our section continues to grow. Please welcome the following new Student Members.

Christopher Gargan, Nyriavo Voarintsoa, Frank Waters, E. Perison-Parrish, Joshua Hoynes, Christian Jacob, Marie Ojeda, and Susan McKenzie.

To each of our new members the officers of the Georgia Section welcome you to our section and encourage you to attend our field trips and other activities.

---

#### **STUDENT SCHOLARSHIP WINNERS**

Albert Killingsworth – Georgia Southern  
Jeannie Patrick – Columbus State  
Rachel Sellers – University of Georgia

Rebecca Pickering – Georgia State  
Scott Reyner – Georgia Southwestern State  
Troy Mosac – West Georgia

---

# AIPG National Scholarship Program

## Purpose

To assist students with college education costs and to promote student participation in the American Institute of Professional Geologists (AIPG). Up to four scholarships will be awarded to declared undergraduate geological sciences majors who are at least sophomores. Details for applying for these scholarships are provided below.

## Scholarship Awards

Scholarship awards in the amount of \$1,000.00 each will be made to eligible students attending a college or university in the U.S. Scholarships are intended to be used to support tuition and/or room and board.

## Eligibility Requirements

Any student who is majoring in geology (or earth science), is at least a sophomore, and is attending a four-year accredited college or university in the U.S. can apply. Also, the student must be either a student member of AIPG or must have applied for student membership at the time the application for the scholarship is submitted.

Each student who is awarded a scholarship agrees, by accepting the scholarship, to prepare a 600 to 800 word article for publication in *The Professional Geologist*. The subject of the article must be related to a timely professional issue.

## Application Process

Applicants must submit: a letter of interest with name, mail and email addresses, and telephone number; proof of enrollment in an eligible geological sciences program, transcripts; an original one-page essay on why the applicant wants to become a geologist; and a letter of support from a faculty member familiar with the applicant's academic work. The application packet should be submitted to:

American Institute of Professional Geologists  
Attn: Education Committee Chr.  
12000 Washington St., Suite 285  
Thornton, Colorado 80241-3134

Questions regarding the application process can be directed to either  
William Siok or Vickie Hill by telephone  
(303) 412-6205 or e-mail: [aipg@aipg.org](mailto:aipg@aipg.org).

## Application Deadline and Award Date

Applications must be received by February 15th

Awarded the month of September

## Basis of Awards

Awards will be based on the content and creativity of the essays as judged by the Education Committee. The decisions of the Education Committee are final.

## Miscellaneous

Application requirements for student membership to AIPG: Student must be currently enrolled in a geological science degree program (as defined by the American Geosciences Institute).

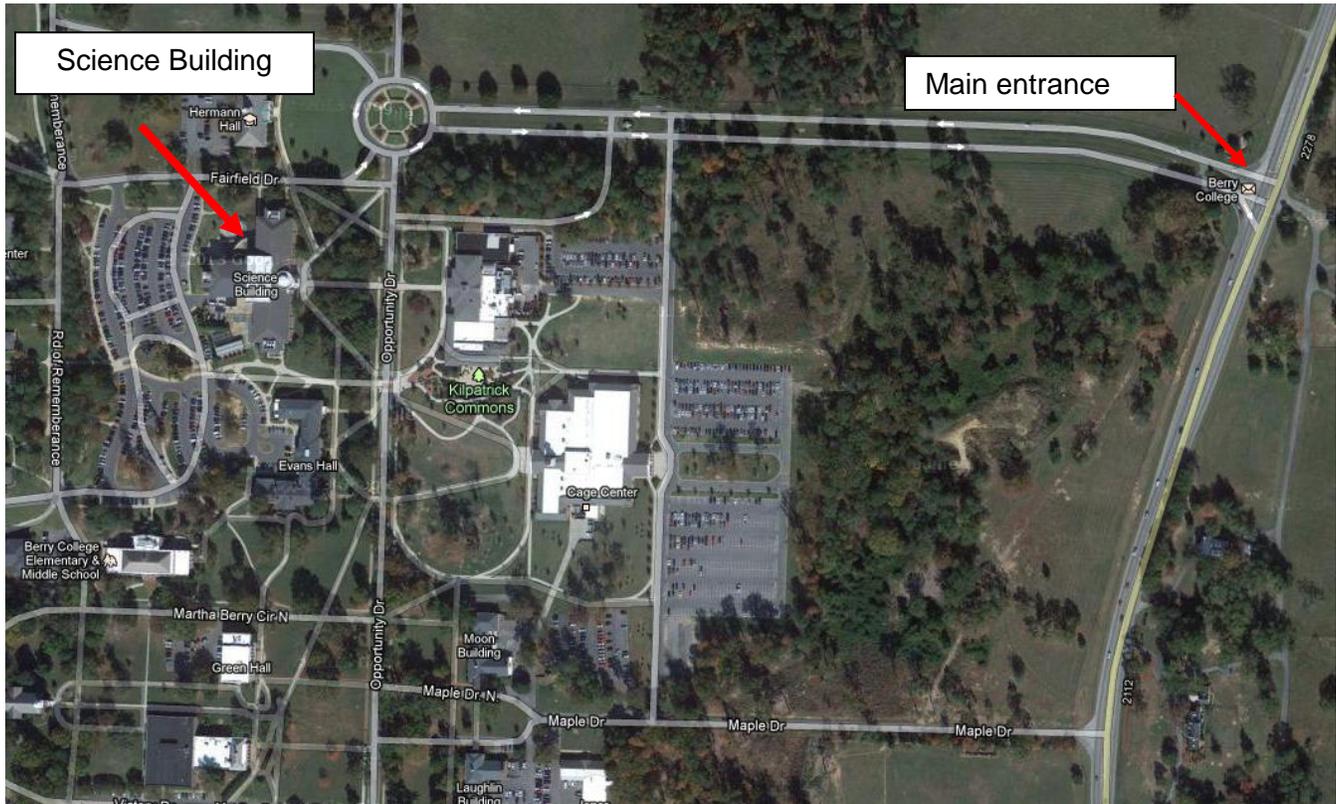
AIPG student membership applications can be obtained from:

American Institute of Professional Geologists  
12000 Washington St., Suite 285, Thornton, Colorado 80241-3134  
(Application forms are also available on the AIPG website <http://www.aipg.org>)

**Join Online! Student Membership is Free!**

---

## UPCOMING MEETING



From Cartersville take the Rome exit onto Hwy 411 Cartersville Hwy. Stay on this highway until you almost reach Rome. Take a right onto State Loop 1 and follow it around until you come to Martha Berry Blvd NE. Take a right and drive to the main entrance of Berry College and take a left onto campus. At the traffic circle go  $\frac{3}{4}$  around and take the exit to Fairfield Drive. The building on your left will be the science building. Go behind the building and park in the parking lot.

---

To contact Eric Lowe:  
678-244-5043  
[elowe@smeinc.com](mailto:elowe@smeinc.com)

To contact Ron Wallace:  
404-362-2589  
[ronald.wallace@dnr.state.ga.us](mailto:ronald.wallace@dnr.state.ga.us)



Remediation system in Athens that we hope to visit



Eric at Sciencepalooza talking about the Grand Canyon

---

## FEDERAL DOCUMENTS

### National Academy of Sciences (NAS)

#### [Disaster Resilience: A National Imperative](#)

Economic damages from national disasters in the United States exceeded \$55 billion, with 14 events costing more than \$1 billion in damage each. This report, prepared by the Committee on Science, Engineering, and Public Policy (COSEPUP), addresses the broad issue of increasing the nation's resilience to disasters. Resilience is defined as the ability to prepare and plan for, absorb, recover from and more successfully adapt to adverse events. It provides goals, baseline conditions, and performance metrics for national resilience and describes what additional information, data, and obstacles need to be addressed to increase the nation's resilience to disasters.

### Government Accountability Office (GAO)

#### [Mineral Resources: Mineral Volume, Value, and Revenue](#)

Congress asked the Government Accountability Office (GAO) to review minerals extracted from federal lands and to provide information on the volume and dollar value of leasable minerals in fiscal years 2010 and 2011, amount the federal government collected for leasable minerals in royalties, rents, bonuses, and other revenue and how this amount was calculated, and availability of data on the volume and dollar value of hardrock minerals extracted from federal lands in fiscal years 2010 and 2011. Leasable minerals, including oil, gas, and coal, are available through leases requiring payment to the federal government and royalties are paid based on the value of the minerals extracted. Hardrock minerals are governed by the General Mining Act of 1872, which makes these minerals available to operators through a federal claim-patent system that provides the right to explore, extract, and develop the federal mineral deposit without having to pay a royalty.

GAO found that there were nearly 70 different types of leasable minerals extracted from federal lands and waters in FY2010-2011 though their volume cannot be calculated because they use different units of measure. According to the Office of Natural Resource Revenue (ONRR), a new agency within the Department of the Interior (DOI) created after the breakup of the former Minerals Management Service, the total value of all leasable minerals extracted from federal lands and sold in FY 2010 and FY 2011 was \$92.3 billion and \$98.6 billion, respectively. The resulting revenue to the federal government from mineral leasing was \$11.3 billion in FY 2010 and \$11.4 billion in FY 2011.

GAO found that federal agencies do not generally collect data on the amount and value of hardrock minerals extracted from federal lands because there is no federal royalty that would necessitate doing so. DOI is working to implement an international initiative to promote openness and accountability in the oil, gas, and mining sectors called the Extractive Industries Transparency Initiative.

#### [James Webb Space Telescope: Actions Needed to Improve Cost Estimate and Oversight of Test and Integration](#)

The James Webb Space Telescope (JWST) is one of the National Aeronautics and Space Administration's (NASA) most expensive science projects and once deployed will be capable of detecting the first galaxies that formed in the early Universe. JWST's instruments will work primarily in the infrared range of the electromagnetic spectrum, with some capability in the visible range. NASA has spent significantly more money and time on the project than previously planned.

This report was requested by the conferees of the Consolidated and Further Continuing Appropriations Act of 2012 and assesses the extent to which NASA's revised cost and schedule estimates are reliable based on best practices, the major risks and technological challenges JWST faces, and the extent to which NASA has improved oversight of JWST.