



# American Institute of Professional Geologists Michigan Section

March, 2009

## From the President's Desk

How many of you are as tired as I am hearing about more unemployment, GM in deep debt, increasing taxes, the stock markets spiraling downward, and gas prices on the rise? And that's the short list.

Where's the upside, other than it's almost time to put the Carharts away?

Despite all the gloom and doom that we are bombarded with every day, I am seeing some bright spots on the horizon that make me proud to be a member of AIPG's Michigan Section.

The first bright spot was our last meeting on March 5, 2009. We had a very impressive turnout of nearly 100 people. We had more students in attendance than we have had in a long time too. (Let's keep it up!) I am proud to say that our members stepped up to the plate and took Larry Austin's challenge and paid for the students' meeting fee. I would like to thank everyone again for attending, bringing non-members to the group, and taking Larry's challenge.

At this meeting, we were the first group to hear about the set of changes being proposed to Michigan's new environmental regulations based upon stakeholder input to the Department of Environmental Quality (DEQ). In fact, some of the changes had been authorized by the director of the department at 5:00 pm the day before our meeting.

We realize that many of our members work in the environmental field, and the currently proposed changes in the regulations could dramatically alter the way Brownfields, hydrogeologic investigations, and cleanups are addressed. The roles of consultants, regulators, and vendors alike have the potential to be quite different from our current status. I was encouraged to see so many members and non-members who were interested in hearing about the proposal and the changes, and on the same note, I would like to encourage all of you to participate in the stakeholder process. Submit questions, participate in discussions, and provide

feedback. The greater role we geologists play in the development of the regulations will reinforce just how important we are going to be in Michigan's future environmental programs.

Furthermore, with the extreme downturn in the economy, we have already started to experience changes in how we do business without changes in the regulations. We need to be more creative and efficient in how we manage projects and accomplish tasks. We need our vendors, and they need us. That is why we are hosting our very first Vendor/Student Night on April 14, 2009. We have invited a variety of vendors who provide different services and products to help you network and develop the creative solutions you need. In fact, if you know of any you would like to invite, please do so. You are welcome to attend and bring non-members as well (admission is free) for an informal evening meeting.

In addition to vendors, I am very excited to announce that we will be awarding \$500.00 to the best student poster on April 14, 2009. Students get your abstracts in to Dawn Prell soon, and we'll see you at the meeting! Don't forget your resumes too. There are some great opportunities to network with our members to find employment. In today's market, who you know goes a long way in landing that job! Our members have contacts across Michigan, the country, and abroad in the various industries in which geologists are needed. I encourage you to take advantage of this situation. I would also like to encourage our members to take advantage of our network in finding employment because I've heard stories of some unfortunate layoffs. Placing an ad in the newsletter is free! *[Editors note: the ad must be 50 words or less.]*

Another bright spot that makes me proud to be an AIPG member relates to the proposal I made in the last newsletter regarding education of K-12 students. After the article was published, I was contacted by our member Charles Barker. Charles informed me of a program that Western Michigan University has been developing called "Core Kids" and told me to

contact Susan Grammar, who is working on the program. Susan informed me that they are looking for a professional organization to help them with this program to further the education of Michigan's students in geology. I was thrilled to hear this, and I am pleased to let you know that we are going to be working on this project. Susan will be at the Vendor Night, so be sure to stop by. More information will be coming, and I am already impressed with the inquiries from our members I am getting so far!

Some other great things going on with our organization include the golf outing and the upcoming summer field trip. Be sure to sign up for the golf outing. We are split between Pictured Rocks and Gottfried, Ontario. If you have any suggestions, please forward them to me. Watch your email; more information is on the way! The website will be updated and redesigned this year. If you have any great photos or suggestions for the website, please forward them to Adam Heft. Efforts are also underway on the PG Bill. We'll keep you posted.

I'm looking forward to seeing everyone on April 14!

Sara Pearson, CPG – 2009 Michigan Section President

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## K-12 Education

I couldn't have agreed more with Sara Pearson's article in the January newsletter relaying that the Executive Committee's idea "to advocate more K-12 education in the geosciences to expose more children to the subject and spark an interest long before they choose a major in college." That goal was in large part the idea behind my Children's Book *Under Michigan: The Story of Michigan's Rocks and Fossils* (Wayne State University Press, 2005). Check it out at:

<http://wsupress.wayne.edu/greatlakes/young/barkerum/barkerb.html>

(Excuse the shameless self-promotion). In all seriousness, our field is one that certainly captures the imagination of many people – And for kids, what better than drifting continents, roaming dinosaurs and buried treasure! One thing that I remember pitching to the marketing folks at WSU Press about my book was that because the subject is so timeless, it might be good for people who are anxious about the economy – If that was true in 2005, I guess it's even more true now! (How's that for an understatement). What I have always loved about Geology since I was a kid (even before I knew what geology was) is that you don't need a lot of fancy equipment, or electrical hookups, etc., to just go out and look at the rocks. We all know that. These are crazy days, but hopefully full of opportunities to inspire young people to get into geology – and probably by the same way most of us became inspired, to get outside!

Charles Barker CPG-11078

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## Student and Vendor Night Section Meeting on April 14<sup>th</sup>

Plan on attending the next Section Meeting, which will be April 14<sup>th</sup> at Weber's in Ann Arbor. This meeting will be a great opportunity to network with other members, see the latest student research as presented on posters, and get product and service information from several local vendors. Attendance will be free, and we are planning several incentives to attend. Please RSVP to Dawn Prell so we can get a good head count before the meeting.

Students, this is a great opportunity to meet and get to know professionals from all over the state that

**AIPG Michigan Section Officers** Tim Woodburne, Past-President, 616-364-8491 ([twoodburne@preinnewhof.com](mailto:twoodburne@preinnewhof.com)); Sara Pearson, President, 616-356-0253, ([pearsons@michigan.gov](mailto:pearsons@michigan.gov)); Jason Lagowski, Vice President, 248-994-2243 ([jason.lagowski@arcadis-us.com](mailto:jason.lagowski@arcadis-us.com)); Don Conway, Treasurer, 231-933-5132, ([dqconway@goslingczubak.com](mailto:dqconway@goslingczubak.com)); Dawn Prell, Secretary, 248-324-5288, ([dprell@nthconsultants.com](mailto:dprell@nthconsultants.com)).

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**Committees** Awards, Jason Lagowski ([jason.lagowski@arcadis-us.com](mailto:jason.lagowski@arcadis-us.com)); Educational Outreach, Jason Lagowski ([jason.lagowski@arcadis-us.com](mailto:jason.lagowski@arcadis-us.com)); Membership and Student Chapters, Walter J. Bolt ([wbolt@manksmithgroup.com](mailto:wbolt@manksmithgroup.com)); Nominating, Mark Sweatman ([msweatman@bcien.com](mailto:msweatman@bcien.com)); Screening, David Regalbuto ([dregalbuto@golder.com](mailto:dregalbuto@golder.com)); Section Regulations & Legislation, Walter J. Bolt ([wbolt@manksmithgroup.com](mailto:wbolt@manksmithgroup.com)).

**Circulation** of the Michigan Section Newsletter is to over 300 members, a number of prospective members, several geology departments, and companies for a total over 500. Distribution is by USPS and e-mail notice of web posting. Copy in PDF format is posted at <http://www.mi.aipg.org>.

**Newsletter Sponsors and Advertisements:** The Sponsor section is \$15 per name or column inch for copy ready art. Copy preparation at an additional charge is available.

**Professional Postings:** The Professional Posting section, where you may advertise positions, is \$10 per column inch.

**Seeking Employment:** Members seeking employment may submit a 50-word listing at no charge.

**Articles:** The newsletter will feature topics on a quarterly basis, and will have a quarterly deadline for submissions. If you have ideas for topics or articles, query us or submit it!

**Authors' opinions** in articles are not necessarily the opinions of the Michigan Section or National Headquarters of the AIPG.

work in various fields of geology. Many of them are key decision makers for their companies, and may be the person you will need to know if you are looking for employment. Bring copies of your resume. Also, you have the opportunity to win a \$500 cash prize for the best geologic research poster.

Finally, the Executive Committee anticipates that it will have the details of the summer field trip finalized in time for the meeting. The field trip information will be presented during the meeting.

We hope to see all of you there!

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## Annual Golf Outing

This is a reminder that the 5<sup>th</sup> Annual Michigan Section Golf outing will be held at Lyon Oaks, located in Lyon Township on Tuesday May 12, 2009. Tee time is 9:30, lunch and dinner are included. See the attached brochure for details.

If you'd like to golf, please reserve your spot before mid April. If you have any questions please call or e-mail the event coordinators Kevin Lund (888) 417-4440 [klund@g-eri.com](mailto:klund@g-eri.com) or Bob Reichenbach (810) 844-4512 [robert\\_reichenbach@sbcglobal.net](mailto:robert_reichenbach@sbcglobal.net). Get your foursome together, and we hope to see you there!

Bob Reichenbach, CPG – Michigan Section Golf Outing Organization Committee

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## Coming Events

**April 14, 2009: AIPG Section Meeting:** Student and Vendor Night

Location: Weber's Inn, Ann Arbor, Michigan.

Schedule: 5:00 to 9:00 pm, Hot and cold appetizers available until 8:00 pm. Student Poster Contest Award and Prize Raffle at 8:00 pm.

Cost: Free!

**RSVP by April 10, 2009:** RSVP to Dawn Prell at [dprell@nthconsultants.com](mailto:dprell@nthconsultants.com). Notice by e-mail is preferred, and please include AIPG in the subject line. Dawn can also be reached at (248) 324-5288.

**May 12, 2009: Fifth Annual AIPG Golf Outing:** Golf scramble to be held at Lyon Oaks Golf Course. Complete details are in the Golf Outing flyer.

**June 4-7, 2009 (Preliminary dates):** Michigan Basin Copper Country Field Trip.

**June 15-21, 2009:** Delta College Grand Canyon Geologic Rafting Trip. The trip will be led by Dr. Tim Clarey of Delta College. Details are in the flyer attached to this newsletter.

**Summer, 2009:** AIPG Michigan Section Annual Field Trip, details forthcoming.

**Summer, 2009:** Michigan Basin Geological Society Thunder Bay Island Field Trip.

**October 3-7, 2009:** 46<sup>th</sup> Annual AIPG National Meeting, to be held in Grand Junction, Colorado. Full details will be available on the AIPG website at: [www.aipg.org](http://www.aipg.org), and in upcoming issues of TPG.

**Mid October or Early November, 2009 (Preliminary dates):** Michigan Basin "Caving in Bedford" Field Trip.

**September 26-28, 2010:** AAPG Eastern Section Meeting, sponsored by the Michigan Basin Geological Society and the Michigan Geological Repository for Research and Education. The meeting committee is in need of volunteers to chair committees and to assist on committees. Anyone interested in participating in a committee should contact Robb Gillespie for information via email at [robb.gillespie@wmich.edu](mailto:robb.gillespie@wmich.edu).

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## MBGS Field Trip to Copper Country

Take an adventure back to the life and history of the copper miner and copper mining industry. The north western portion of Michigan's Upper Peninsula is known as Copper Country due to the rich native copper found in the northwesterly tilted Precambrian rocks of the Keweenaw Rift sequence. This field excursion will include evening lectures on the history of the mining industry and on the geology of the rocks creating the copper deposits. Of the two days of travel, one day will be dedicated to exploring the rich history of the mining community and industry and the second day will be exploring the rocks and mines where those miners worked. Additional highlights will include an evening tour of the Seaman's Mineralogical Museum and an afternoon guided tour of the Quincy Hoist, known for operating the world's largest steam hoist. Two local copper mines will be entered for tours and collecting may be provided at some of the local mine dumps.

The trip is planned for Thursday, June 4th through Sunday, June 7th, 2009, and is limited to 30 participants. You must be a Michigan Basin Geologic Society Member. Registration Forms and additional information is available at [www.mbgs.org](http://www.mbgs.org).

Arlene Anderson-Vincent, MBGS Newsletter Editor

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## March Section Meeting Summary

The March meeting of the Michigan Section AIPG had an incredible turnout. We had nearly 100 members attend the dinner and meeting, at which Patty Brandt of the MDEQ presented "Answers to Frequently Asked Questions on the RRD Program Redesign." Some of the information was new, and never before presented to stakeholder groups. Patty presented the hot topics on the redesign that came up during previous stakeholder meetings throughout the month of February. The hot topics she discussed included due care, the due care migration



exemption, source removal, clarification of responsibility for activities causing a release, and the framework for strict liability. She also described how the proposed program incorporates the RBCA process for evaluating risks and pathways associated with sites. For more information, subscribe to the listserver, send questions to [deg-rrd-redesign@michigan.gov](mailto:deg-rrd-redesign@michigan.gov), and check the website regularly at <http://www.michigan.gov/deg>.



Michigan Section Members enjoying dinner before the presentation by Patty Brandt of the MDEQ-RRD

The information was well received and generated several thought-provoking questions. Thank you Patty, for taking the time to share this information with AIPG.



CMU Students Edward Shaw and Sara Rimer with advisor Jodi Ryder in front of their poster describing the "Engineers without Borders" program

We also had several students at the meeting. Four attended from Eastern Michigan University, two (and the student chapter advisor) from Central Michigan University, and one from Grand Valley State University. The students from CMU presented a poster titled "Engineers without Borders," which summarized a project overseas. Sara Rimer gave a brief synopsis of their project in Sainte Luce, Madagascar. The group traveled to Sainte Luce in

August 2008 for an assessment trip which included water analyses, a health assessment, topographical mapping, and relationship building with the communities. Their assessment identified three sources of water which included an open well, one borehole, and a river when the water was not brackish. Health concerns were raised over the presence of bacteria, and the well and borehole were not properly cleaned. Their future plans include closing the open wells and installing a pump, drilling a new well, and building stronger fences with the help of the community. Sara also invited the assistance of our members in this project where they may lend some expertise or even donations. Thank you Sara, Edward, and Jodi for presenting your very worthwhile project.

Adam Heft, CPG - Michigan Section AIPG  
Newsletter Editor

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## Reminder of Section Awards Nominations

This will be my third year as a member of the executive committee, as well as the chairperson for the Awards program. I am looking forward to the remainder of 2009 under the direction of our new President Sara Pearson. For those of you who were at the December annual meeting, Sara won the award for outstanding contribution to the Section for 2008 and joins a distinguished group of former winners. I would like to take this opportunity to remind the membership that we have the Awards program to acknowledge our members' contribution to AIPG and to foster the earth sciences through our educational grants. We are currently in the process of updating our webpage which when complete will include links to the nomination forms for our internal awards and the forms for the educational grants. I encourage all of you to take advantage of these programs in 2009.

What follows is a summary of how our 2008 Educational Award Grant has been used by Wilcox Elementary School in Holt. The educational grant was used to purchase: 1) *Lake Michigan Rock Picker's Guide* by Kevin Gauthier and Bruce Mueller (class set)/*Lake Superior Rock Picker's Guide* by Kevin Gauthier and Bruce Mueller; 2) *The Complete Guide to Petoskey Stones* by Bruce Mueller and William H. Wilde, and; 3) *Under Michigan: The Story of Michigan's Rocks and Fossils* by Charles Ferguson Barker. The books will be used for exploration and reinforcement of earth science concepts. They will also be used for the instruction of non-fiction reading. The books will ultimately be housed in the either the library or Learning Center, so they are available for use in any Wilcox classroom.



Students examining Michigan rocks at Wilcox Elementary School in Holt with their new books.

Jason Lagowski, CPG - Michigan Section Vice President and Awards Committee Chairman

## Michigan Section Students – Exhibit Your Posters

If you are a student, and have a poster that you are preparing or have prepared, please consider showing your poster at the next Michigan Section meeting. We would like your poster set up by 5 PM so it can be presented during the social hour, usually 5:30 PM to 6:30 PM. If you provide a poster at one of the meetings, the Michigan Section will wave your \$25.00 registration fee. This is a great way for you to get involved and meet other geologists in Michigan with whom one day you may be working. If you are seeking employment, consider also bringing a copy of your resume. Please contact Dawn Prell, CPG; the Section's Secretary to register a poster at our next meeting.

## Member's Corner

*As was indicated in the October 2008 newsletter, the Member's Corner will include information about the Section's membership. This is your chance to provide information on where you are and what you are doing. Simply send the information to Adam Heft for inclusion in this section. This issue we have information on two of our members.*

**David L. Harn, Jr., CPG...** I appreciate the opportunity to introduce myself to the AIPG membership. I received my Bachelor's degree in Geology from Central Michigan University and my Master's in Geology from the University of Oklahoma. I am originally from the southwest Michigan area and currently work at DLZ Michigan, Inc. as a Geologist in our Kalamazoo office. DLZ is a full-service professional corporation that provides complete architectural, engineering, and environmental services to both public- and private-

sector clients. DLZ's Environmental Division works mostly with the MDEQ under the Level of Effort (LOE) contract, but we also have provided services to municipalities and private individuals.

This year I am looking forward to taking a more active role in promoting the geology profession to K-12 students. I hope to accomplish this by encouraging more schools in the southwest Michigan area to apply for the AIPG Educational Advancement Award, and by making at least one presentation at my son's school or Cub Scout Pack. I know that I can't make all of them geologists, but if I can encourage their natural curiosity about the world around them, I consider that a success.

**Get to know your new Secretary...Dawn Prell.** I am a Project Geologist with NTH Consultants, Ltd. NTH is a nationally recognized engineering consulting firm specializing in Underground, Civil, Environmental, and Facilities Engineering. NTH employs approximately 300 people across the Midwest and Mid-Atlantic regions. I work in our new Northville, Michigan office on a wide variety of projects in both the public and private sectors.

I received by Bachelor's Degree in Hydrogeology (1994) from Western Michigan University. During my 13+ years in the environmental consulting realm, I have primarily focused my efforts in areas of environmental permitting, compliance programs, water resources, solid and hazardous waste management, landfill compliance, environmental site assessments and soil and groundwater investigations.

I am married to my husband, Scott for 6 years and together we have three daughters. My oldest daughter, Sarah (5), is finishing her first year in kindergarten at Country Oaks Elementary in Commerce and is obsessed with horses. Emily, who just celebrated her 4th birthday, is our little ballerina princess. Elizabeth (1) keeps us very busy; she just learned to walk. In our "spare-time" we enjoy spending time with family and friends.

Dawn Prell, CPG – Michigan Section 2009 Secretary

## Support our Sponsors!

The Section Executive Committee would like to remind its members to support the companies that are advertisers in the newsletter. Consider working with these companies, and when you speak with their representatives, let them know that you saw their ad in the Michigan Section newsletter.

## Newsletter Notice via E-mail

Save us costs and more quickly receive meeting announcements and newsletters. Submit an updated e-mail address to Adam Heft at



[heft@pbworld.com](mailto:heft@pbworld.com). If you move or change places of employment, don't forget to send your new contact information to both the Section and to National.

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## Recent College Graduate Found An Entry Level Geology Position

You may recall that in the last newsletter, a recent college graduate advertised that he was looking for an entry level geology position. Within two weeks of the newsletter posting, he was contacted by a firm, interviewed, and offered a position. Networking works! This service is free to members. Simply submit up to a 50-word ad indicating you are looking for a position, and it will be posted in the next newsletter.

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# AIPG – Fifth Annual AIPG Michigan Section Golf Outing

## Tuesday, May 12, 2009

### Sponsor Information

#### **Dinner Sponsor- \$900**

##### **Investment includes:**

- 1 foursome
- Signage at club house and lunch area
- Corporate recognition\*

#### **Beverage Cart/Oasis Sponsors - \$500**

##### **Investment includes:**

- Signage at the club house and on the Beverage Cart.
- Corporate recognition\*

#### **Tee Box/Award Sponsor - \$175**

##### **18 Available**

##### **Investment includes:**

- Tee box signage
- Corporate recognition\*

#### **Skill Sponsors – \$350**

##### **Investment includes:**

##### **5 Available**

"Longest Drive" "Hole in One/Closest to Pin" awards to Male/female for each. Putting contest for \$\$, Signage on the hole or putting area, corporate\* recognition during the event (includes contest coordination at the turn).

#### **Goodie Bag Sponsor - \$100 plus 144 goodie bag items**

\*Dinner and Beverage Cart/Oasis Sponsors will receive AIPG membership. All sponsors will be recognized in the Quarterly News letter and on the Michigan Section Web Site through November 2008.

**This event is our annual Fund Raiser. The Michigan Section of AIPG Golf fundraiser benefits the Michigan Section's ability to support K-12 education grants and scholarships.**

#### **Place: Lyon Oaks Golf Course**

<http://www.oakgov.com/parksrec/ppark/lyon.html>

#### **Event: 18-hole Scramble**

**Date: May 12, 2009 Tuesday**

**Registration: 8:00 to 9:30 AM**

**Tee Time: 9:30 AM**

Includes: Green fees, cart, range balls, lunch on the course, Networking PRIME RIB Dinner and a raffle ticket for the grand prize.

50-50 raffle, and raffle the grand prize HDTV along with other prizes, "\$10,000 Hole in One" Ace, Trips, Putt for \$2,500, men's and women's longest Drive and Closest to pin contests, \$20 gas cards to the four golfers traveling the furthest and goodie bag for all golfers.

**Golfer Sign up Due by:  
May 1, 2009**

Individual = \$115    Team = \$430 (4 players)

Player One: \_\_\_\_\_

Player Two: \_\_\_\_\_

Player Three: \_\_\_\_\_

Player Four: \_\_\_\_\_

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#### **Contact:**

Kevin Lund [klund@g-eri.com](mailto:klund@g-eri.com)

Bob Reichenbach

[robert\\_reichenbach@sbcglobal.net](mailto:robert_reichenbach@sbcglobal.net)

**CALL or FAX to reserve your place!**  
**888-417-4440**

The AIPG-MI Section is a nonprofit  
501(c)(6) Organization

# AIPG – Fifth Annual AIPG Michigan Section Golf Outing

## Tuesday, May 12, 2009



Arthur Hills-designed  
18-hole course on 230  
acres

- "Up North" feel in southwest Oakland County
- Par-72 championship golf course
- Get in the game faster - play afternoons 12:30 - 3:30 p.m.
- Hardwood forests and wetlands enhance natural golfing experience

- "Nature, Of Course!" interpretive signs along cart paths point out natural features of interest or significance
- Wide fairways enhance playability
- Wetlands and ponds increase challenge of play
- Sand bunkers and freshwater lakes provide a strategic challenge for accomplished golfers
- Multiple tees on every hole make the course playable and enjoyable by all level players
- State of the art practice facility with target greens and sand traps
- Picturesque clubhouse with expansive views of the course accommodates parties of up to 450 for wedding receptions, banquets and educational meetings
- Lyon Oaks County Park's day-use area features a 13-acre Dog Park and 2.5 miles of hiking trails
- Day-use park area also includes a picnic shelter, playground and recreational fields
- Trail head and parking for Lake Community Trail

### Accolades

- Included in 2008 The Oakland Press' "Ten to Try This Summer" listing of Oakland County Public Golf Courses
- Member of Arthur Hills Golf Trail, featuring acclaimed Art Hills courses throughout the state
- Garnered a 4.5 star rating by Golf Digest 2007 and named the #2 course in Detroit to

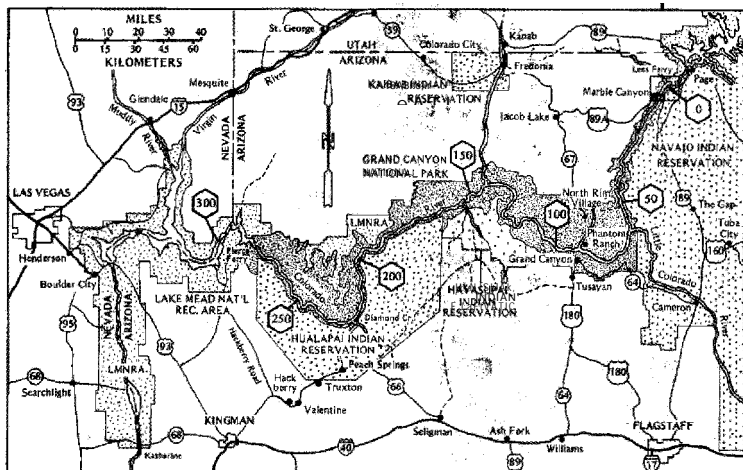
play in ESPN's Sports Travel Golf Course Guide of the Best Places to Play

- Named #4 in Jeff Lesson's Top 10 Public Golf Courses in southeast Michigan. (Lesson hosts "Lesson on Golf" on WXYT and WWJ radio stations)
- Named in 2005 Detroit Free Press Top 10 Public Courses

Yardage	GAM Ratings
Black - 6837	Men's Black Tee - 72.7, Slope 137
Blue - 6427	Men's Blue Tee - 70.7, Slope 133
White - 6133	Men's White Tee - 69.3, Slope 131
Gold - 5389	Men's Gold Tee - 65.6, Slope 115
Green - 4525	Women's White Tee - 75.5, Slope 145
	Women's Gold Tee - 70.8, Slope 131
	Women's Green Tee - 66.7, Slope 112







**MAP OF THE GRAND CANYON REGION**

## Grand Canyon Adventure A Geologic Raft Trip

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**Dr. Tim Clarey**

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**Monday, June 15 through Sunday June  
21, 2009**

Plan on attending a 7-day raft trip down the Grand Canyon of the Colorado River. The trip will depart from Marble Canyon (Lee's Ferry) on Monday morning, June 15 and will end, 188 miles later, on Sunday, June 21, at Whitmore Wash. We will take out by helicopter and then fixed-wing plane back to Lee's Ferry or the South Rim or Las Vegas. Hatch River Expeditions will supply motorized boats and expert boatmen. The cost for the trip, including six nights on the river, all food, personal sleeping gear, including sleeping bag, mattress and pillow, guidebooks, park admission and dialogue will be **\$2590 per person**. You will be responsible for getting to Las Vegas on June 14 for the flight to Cliff Dwellers Lodge (and put in on June 15), and back home from Las Vegas, or the South Rim afterward. I recommend flying to Las Vegas on June 13 and flying out of Las Vegas on June 22 (staying at the Desert Rose Resort). Those two nights and the one night at Cliff Dwellers Lodge are extra.

You will be exposed to some of the most magnificent scenery and geology on Earth, and experience some of the same emotions that John Wesley Powell did on the first trip through the Canyon 139 years ago! On our trip, we will be totally immersed in the geology, ecology and history of this spectacular natural wilderness. Restful floating on the river will be punctuated with roller-coaster rides through rapids, hikes up scenic side canyons, visits to Native American sites, and an occasional swim to cool off. We will camp on beaches each night; Hatch's crew cooks our meals and looks to our safety. Tents are provided also, if needed. You may even take this trip for credit, GLG 266.

Sign up will be first come, first served. We have space for 15 people. Upon receiving a non-refundable deposit of \$300, we will send you all details on how to get there, what to bring, and everything else you will need to know to enjoy this spectacular adventure. Reservations must be received by December 1, 2008. Full balance will be due by January 1, 2009.

Please call Dr. Tim Clarey (989-686-9252) if you have any questions (e-mail: [tlclarey@delta.edu](mailto:tlclarey@delta.edu)).

### **Registration Form--Grand Canyon Adventure**

**Total Cost of Trip: \$2590, Nonrefundable deposit: \$300/person**

**(Deposit must be received by December 1, 2008)**

Enclosed is my \_\_\_\_\_ check, \_\_\_\_\_ money order in the amount \$ \_\_\_\_\_

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

Home and/or Cell Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

Make checks payable to **Delta College** and mail to **Dr. Tim Clarey, Delta College, University Center, MI 48710.**

Michigan Chapter  
American Institute of Professional Geologists

ANNOUNCES

# VENDOR AND STUDENT NIGHT

APRIL 14, 2009

5:00 p.m. – 9:00 p.m.

At

**Weber's Inn**

3050 Jackson Road, Ann Arbor, Michigan



## TOP 5 REASONS TO ATTEND

5. **\$500 FOR BEST STUDENT POSTER**
4. **NETWORKING**
3. **POTENTIAL EMPLOYMENT**
2. **SEE THE LATEST IN PRODUCTS AND SERVICES FROM SOME GREAT VENDORS**
1. **FREE ADMISSION**

*Just how effective is marketing to members of AIPG? We have over 300 members in Michigan using the services and products you provide. Let them know you are out there!*

*Just how effective is networking with other professional geologists? Just recently, we had a student place an ad in our newsletter seeking employment and within a couple of weeks he was contacted for an interview and offered a job! Networking works!*

**\*We are awarding \$500.00 for the BEST STUDENT POSTER on a geological project as voted on by AIPG members. Bring your poster to the meeting! Abstracts may be submitted prior to the Vendor and Student Night to Dawn Prell ([dprell@nthconsultants.com](mailto:dprell@nthconsultants.com)) for publication on our web site and in our newsletter. The cash award will be presented at 8 p.m. at the Vendor and Student Night.\***

**Admission is free.**

(As a courtesy for headcount, please RSVP to Dawn Prell at [dprell@nthconsultants.com](mailto:dprell@nthconsultants.com))  
Our Vendor and Student Night will be an informal meeting format with hot and cold appetizers and cash bar.



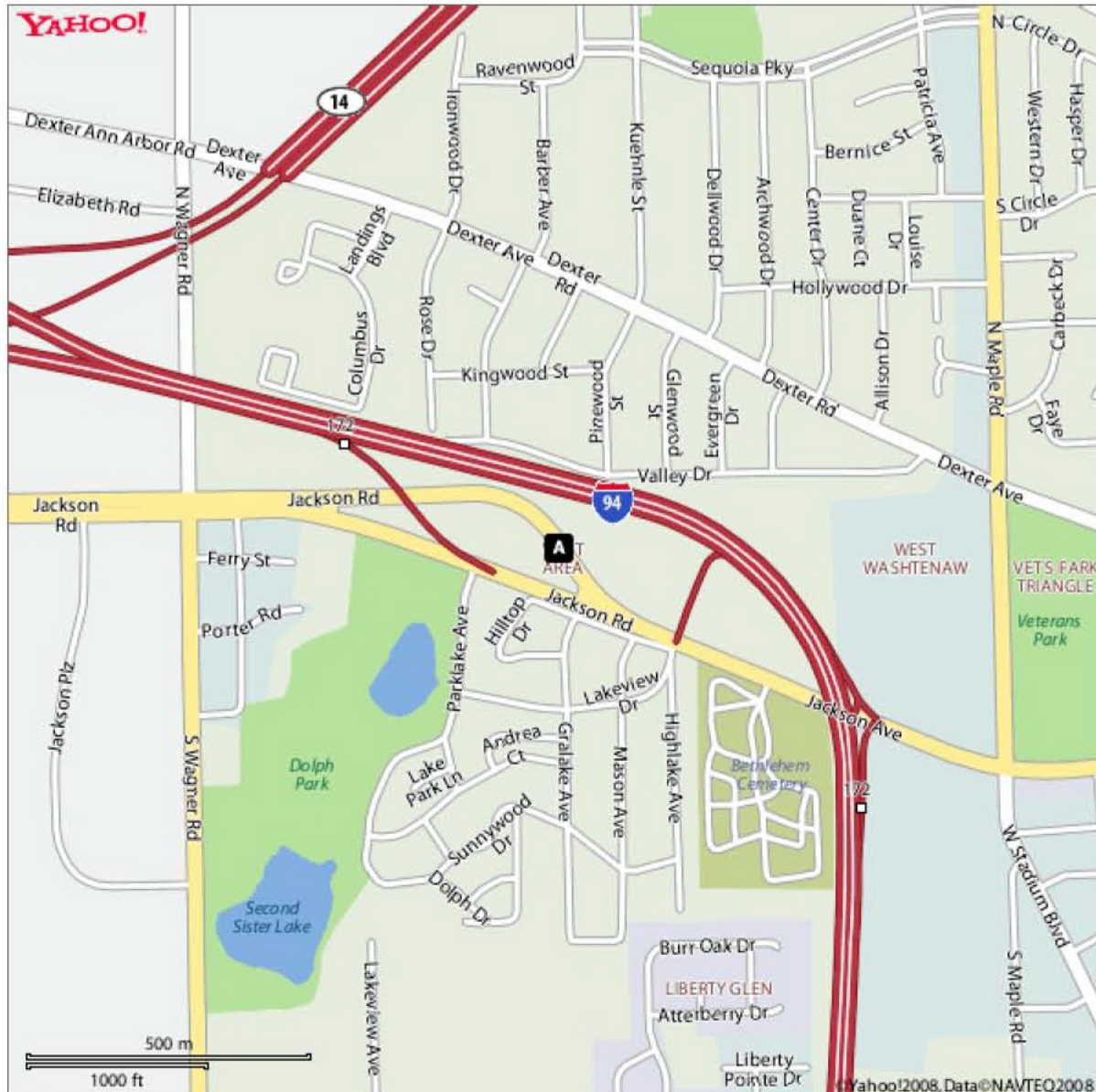
# AIPG Section Meeting

## April 14, 2009

Webers Inn & Conference Center, Ann Arbor, Michigan

Map of 3050 Jackson Ave, Ann Arbor, MI 48103-1907

**YAHOO!** LOCAL  
Maps



When using any driving directions or map, it's a good idea to do a reality check and make sure the road still exists, watch out for construction, and follow all traffic safety precautions. This is only to be used as an aid in planning.