



# American Institute of Professional Geologists Michigan Section

October 2012

## From the President's Desk

Fall is officially here and I fear 2012 will be over before I accomplish everything I set out to do. I can rest assured that the Executive Committee members I leave behind are committed to carrying things forward into the new year. I am preparing this report from over 10,000 feet on a Delta flight from Detroit to Las Vegas. A trip my husband surprised me with to celebrate our 10 year anniversary.

The Executive Committee has been working hard to continue to provide benefit to our members. We are looking forward to sharing some exciting news and events with you at our next section meeting planned for November 29, 2012. This meeting will serve as our annual awards meeting where we will recognize members of the section for their outstanding dedication to their profession and our section in particular. We will also award one student with \$500 for a poster to be voted on by members in attendance at the meeting. The Michigan Section will also award \$500 to one K-12 teacher to promote geo-sciences in education.

A new Executive Committee member will be announced at our November 29th meeting. Voting has not yet taken place. If you are interested in participating in this very rewarding experience, please consider running in this election. The commitment is not overwhelming. If you are interested, please send a biography with your intent No later than November 1<sup>st</sup> to Adam Heft.

As my term on the Executive Committee comes to a close, I have confidence that AIPG, as an organization, will continue to grow and that Section members will step up each year to volunteer for leadership roles and support the profession. Thank you all for the tremendous experience and the overwhelming support.

Dawn Prell, CPG – 2012 Michigan Section President

## Section Officers Reports

President: Information presented in the "From the President's Desk" article above.

Vice President: See the article below (on Page 4) regarding the Annual Meeting.

Treasurer: As of October 9, 2012, the Michigan Section has a checking account balance of \$40,197.17. This includes some revenues from the upcoming GSI Lunch Event in Lansing this month, but none of the costs.

The Michigan Section had \$51,308.03 in payments year to date and \$66,248.26 in credits since January 1, 2012, for a net gain of \$14,940.23 this year. The increased revenues are due to the success of the spring golf outing and the interest and attendance at the LNAPL Workshop, conducted in June. The added funds will allow us to consider lowering the cost of Section Meetings for our members, and to provide support and funding opportunities to educational outreach programs and student member groups.

In addition, we have five Certificates of Deposit, two of which will reach maturity in November 2012. Combined, these CDs will have a value at maturity of \$35,536.61. The CD's held by the Section will be rolled over at the end of the year.

Secretary: **September 13, 2012 Executive Committee meeting minutes are as follows:**

- I. Call to Order 4:30
  - Attendees: Dawn Prell, Craig Savage, Adam Heft, Kevin Lund, Mark Sweatman, Brent Huntsman. Don Conway and John Barkach attended by telephone.
  - Introduce Brent Huntsman, AIPG Advisory Board.
    - Brent joined us in Lansing to explain his role on the advisory board. His primary responsibility is to serve as a liaison between National and the local sections.
    - Brent shared some ideas that his local section (Ohio) have been working on. Brent also commended the Michigan

section for being one of the more successful sections.

## II. Financial Report/Treasurer's Report.

- The Michigan Section is in good financial status with assets as of September 2012 at over 75K including 35K in CDs.
- Both the golf outing and the LNAPL workshop were profitable for the section.

## III. AIPG Financial Support

- 15 Teachers were each awarded a \$100 AIPG scholarship to attend the 2012 Academy of Natural Resources training session at the RAM center this summer. The Michigan Section will sponsor up to 35 teachers for the 2013 Training session.
- Pending \$500 Student Poster Award (To be Awarded November 2012).
- Pending \$500 Grant for Earth Science Teachers (To be awarded November 2012)
- Future expenditures include the possibility of providing stipends to universities to allow them to bring in recognized speakers. Initial focus will be on those universities which have supported AIPG Michigan in the past. (i.e., Michigan Technological University for sending speakers in support of the LNAPL workshop), Kevin Lund to approach universities regarding policies and procedures for a donation.
- Future expenditures may include providing financial support to recognized speakers for quarterly Michigan Section meetings.

## IV. AIPG National Update.

- Larry Austin elected to the National Executive Committee
- National Meeting held September 22-25, 2012 in Rapid City, South Dakota, John Barkach to represent the Section at the National Executive Committee Meeting

## V. Election for 2013 Secretary

- Ex Com to reach out and encourage member participation. Seeking candidates for 2013 secretary.

## VI. Student Chapters

- It was determined that the Michigan Section will continue to support student attendance at our Section meetings by allowing participation in dinner meetings free of charge.

- Wayne State University to host an election in October 2012 and become an official student chapter.

## VII. Other Business

- Mark Sweatman, CPG provided some insight to the Executive Committee as a former member of the Committee and shared what we could expect from national at the annual meeting. Mark also made suggestions and participated in presenting ideas for AIPG Michigan providing financial support.
- The Executive Committee voted to change the quarterly dinner meetings member rate to \$30 for members and \$50 for non-members; students will remain free. This change will take effect with the first meeting in 2013, and a reminder of the change will be in the future editions of the newsletter and meeting flyers.

## VIII. Adjourn 5:35 pm.

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## Coming Events

**October 26-28, 2012:** Central Michigan's 47<sup>th</sup> Annual Gem, Mineral, Fossil Lapidary & Jewelry Show, Ingham County Fairgrounds Main Arena. Additional information is available at <http://www.michrocks.org> or by calling (517) 641-6125. Also see flyer attached to this newsletter.

**November 1, 2012:** Michigan Section AIPG Special Lunch Meeting, Kellogg Center, East Lansing. "An overview of the amendments affecting venting groundwater and an update of the recent progress on the policy and procedures" by Sara Pearson.

**November 7, 2012:** MBGS Meeting, Michigan State University, Natural Science Bldg, Room 204, 7 pm. "Bedrock topography, glacial drift thickness, bedrock outcrops, and bedrock valleys of Michigan" by John Esch. Direct any questions or to register please contact Arlene Anderson-Vincent at: [arlene.anderson-vincent@waters.nestle.com](mailto:arlene.anderson-vincent@waters.nestle.com).

**November 8, 2012:** SPE Meeting, "Wonderful World of Coiled Tubing" by Subhash Shah, <http://connect.spe.org/Michigan/Home/>.

**November 14, 2012:** PGI/IN Geologists Meeting with two speakers, "Water Rights Law and the Implications of the Recent White Lick Creek Case" by Mark Basch, IDNR-Division of Water, and "Citizens Water Supplies: Current Systems, Groundwater Resources, and Challenges for the Future" by Ed Malone, Director of Water Production, Citizens Energy Group. The meeting is to be held at the Knights of Columbus facility in Indianapolis. Questions may be directed to Rob George, PGI President at [rgeorge@active-environmental.com](mailto:rgeorge@active-environmental.com) or (317) 871-8560.

**November 29, 2012:** Michigan Section AIPG Annual Meeting, Cleary College, Howell. "Offshore Coring Feasibility Studies – Geotechnical Investigations to

Support a Potential Large Water Intake” by Joyce Dunkin.

Location: The Johnson Center (Room 2), Cleary College, Howell.

Dinner: Fire-grilled Breast of Chicken topped with Champagne Lemon Sauce or Tri-Colored Cheese Tortellini, Sun-Dried Tomatoes, and Artichoke Hearts, tossed in a Roasted Red Pepper Sauce. Both entrees include roasted red skin potato, gardener’s salad, green bean almandine, rolls and butter, and desert.

Schedule: Cash Bar 5:30-6:30 PM, Dinner 6:30 PM, and Speaker 7:30-9:00 PM.

Cost: Students free, Members \$35.00, Non-members \$40.00.

**RSVP by November 26, 2012:** RSVP for the meeting on the Constant Contact website no later than November 26th at: <http://events.constantcontact.com/register/event?llr=hppwbcjab&oeidk=a07e6j4kijbe9641c33>. You can select your meal choice and pay online if you choose, or else pay at the door by cash or check if you prefer.

**December 3 (week of), 2012:** MBGS Dinner/Family Meeting, Champps Restaurant, Lansing. “Using Paleogeographic Maps to Portray Phanerozoic Geologic and Paleotectonic History of Western North America” by AAPG Distinguished lecturer, Ronald C. Blakey. Exact date of the meeting to be determined. Direct any questions to Arlene Anderson-Vincent at: [arlene.anderson-vincent@waters.nestle.com](mailto:arlene.anderson-vincent@waters.nestle.com).

**April 15, 2013:** SPE Meeting, “Understanding Liquid Loading Will Improve Well Performance” by Robert Sutton.

**June 5-11, 2013:** Grand Canyon Adventure: A White Water Raft Trip, sponsored by Delta College Geosciences Department and led by Dr. Tim Clarey. Space is limited; contact Dr. Clarey at (989) 686-9252 or [tlclarey@delta.edu](mailto:tlclarey@delta.edu).

**October 23-26, 2013:** AIPG 50<sup>th</sup> Annual Meeting, Omni Interlocken Resort, Broomfield, Colorado. <http://www.aipg.org>.

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## AIPG 2012 Annual Meeting/ National Executive Committee Update

For those of you who missed it, my sincere condolences...

Those of us who were there had a great time. Exhibits, talks, meetings, field trips, social events, networking and so much more (for details, see the article by John and Adam). Even a night or two out sampling the local beers with evil companions, usually comprised of present and former leadership, longtime friends and newer colleagues interested in getting involved. You should have been there. As an active member of the Oblivion Beer Blog I can personally recommend the Moose Drool Porter and the Buffalo Sweat Stout.

Alright, besides the obvious, there were key items to be addressed. Last year our president, Barb Murphy, started a push to put into action the long stated goal of better communications with the Sections. Incoming president Ron Wallace intends to keep the pressure on. You may have noticed Brent Huntsman at our last meeting and likely will see him, and me, of course, at the meetings this year. This is deliberate as he and I are to serve as your primary liaison with National. Each of the Advisory Board representatives to the Executive Committee (EXCOM), among others, were given liaison assignments. Not that you can’t pick up the phone or email National, but we’ll be there to remind you that your thoughts, comments and concerns are always welcome. It’s working and, with your help, it’ll continue to provide an open link to National.

At the same time, we continue to push improved relations with Europe, the Americas and Australia. The Geological Society of London has asked for stronger ties and we’ve been approached to work with Mexico and South America. Particularly on the “Qualified Person” issues that, of late, have helped swell our membership rolls.

And we are maintaining our close ties to the AGI and other organizations as we go forward. I see a call for assistance manning the AIPG booth at GSA this year and I’m sure more opportunities will also be forthcoming. These are great networking opportunities if you can possibly be there.

I know I’ve passed over a dozen other issues that I should bring to your attention but unless we go to double sided printing on this electronic edition, your eyes will be permanently glazed over by the time I’ve brought you up to date on everything. However, since I’m taking over as National Treasurer in January, I’ll try to bring you a little summary of the EXCOM meetings as they occur during my two year tenure. These will be exciting times with our 50th Anniversary next year. Plan to be there and participate in the proceedings. You’ll not regret it.

In the meantime, be sure to get out there, get involved, stay current and, above all, be careful.

I see there’s another possible field trip adventure coming up in a caving trip to Indiana. Wonder if I could somehow make it? Haven’t done that sort of caving in years but it sure was fun. And next spring the Arizona Section is running a week long field trip into northern Mexico including an excursion to the Cave of Giant Crystals.

Lawrence M. (Larry) Austin, CPG 5181, 2013-14 National Treasurer

## AIPG Annual Meeting, Rapid City, South Dakota

The 2012 AIPG Annual Meeting was held in Rapid City, South Dakota on September 22-26, 2012. The Michigan Section was represented by John Barkach as the Section's official delegate to the Advisory Board. Larry Austin, the National Treasurer for 2013-14, and Adam Heft, Section newsletter Editor, also attended the business meetings on Saturday. Section representatives Bill Mitchell and James McLaughlin also attended meeting activities.



Group photo of the Advisory Board Meeting attendees. Michigan Section representatives Larry Austin, John Barkach, and Adam Heft are in the right part of the group. Photograph courtesy of Wendy Davidson.

The first Advisory Board meeting was chaired by 2012 AIPG-National President-Elect Ron Wallace. The first meeting provided an opportunity for National to update the Sections on new resources that are being developed by National, and to provide a forum for the individual Sections to highlight accomplishments and discuss issues and problems. Each of the 25 Sections that participated in the meeting presented a summary of their Annual Section Report. The Section report detailed activities that were completed during 2012; plans for 2012 and 2013, and problems and issues within each Section.

The take away from the first Advisory Board meeting was that Michigan Section is very healthy and active. Our membership is the third largest among the Sections. AIPG-National discussed two topics in detail; the importance of student membership, and the resources available on the updated National website. With respect to student membership, Ron Wallace discussed National's and each Section's responsibility for promoting student membership. The first edition each year of The Professional Geologist will continue to be devoted to students.

With respect to the website, National has moved their resources onto the recently revamped and more user-friendly website, which contains:

- Links to each State Chapter
- Membership information
- Contact information for Licensure for each State
- A Job Board
- AIPG Education Resources
- AIPG Chapter Resources
- AIPG Publications

A demonstration of new website was provided at the conference; the link to the AIPG-National website follows: <http://www.aipg.org/>.

The second Advisory Board meeting was chaired by Ray Talkington, President Elect for 2013. This meeting primarily involved nominations and elections for Advisory Board representatives to the National Executive Committee. Tom Cavannaugh (Colorado), Brent Huntsman (Ohio), Larry Webber (Tennessee), and Bob Gaddis (Oklahoma) were elected.



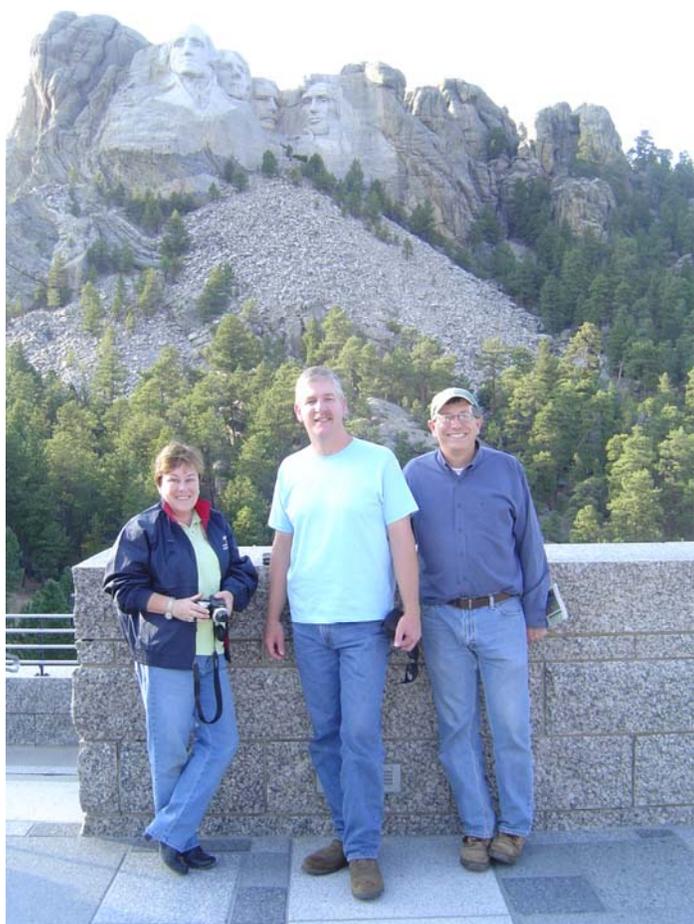
Group photo of the attendees of the Precambrian pegmatites field trip on Sunday. Michigan Section representatives Adam Heft and Bill Mitchell attended the trip. Photograph courtesy of Adam Heft.

Sunday's activities included an array of field trips. Bill and Adam attended the Precambrian Geology and Mineralogy of Classic Pegmatites trip, which went to the area near and southwest of Keystone. Trip participants were able to obtain samples of various minerals, including muscovite books, garnets, K-spar, spodumene, and beryl to name only a few. All of the trip participants returned with quite a load of samples – just ask Bill, who had over 100 pounds of them. The trip was very enjoyable and educational, in spite of participants being pestered by bees at lunch and being unable to locate the final

stop, even after driving about two miles down a goat track of a road in the middle of nowhere in an attempt to find it.

For the fourth year in a row, the field trip Adam attended returned late, and participants found that the Icebreaker event was in progress. Fortunately, we didn't get back so late that the food and beverages were gone...

On Monday and Tuesday, technical sessions occupied the day, with keynote speakers presenting during lunch. On Monday afternoon, John, Helen Hickman of the Florida Section, and Adam spent time sightseeing in the Black Hills, including a bit of time panning for gold.



Helen Hickman (FL) with Adam Heft and John Barkach at Mt. Rushmore. Photograph courtesy of Adam Heft.

Monday evening was the annual awards dinner and entertainment. Three Lakota Native Americans shared information about their culture and performed a traditional dance.

Wednesday was another group of field trips, with both Bill and Adam attending the Gold Mineralization of the Black Hills trip. The trip featured nice views of the Black Hills scenery and an impressive overlook at the Homestake Mine open pit. A miner's lunch of pasties was provided while at the overlook. Although no one found any visible gold, we did come away with additional rock samples.

We would like to echo Larry Austin's thoughts; for those of you that were unable to attend; you missed a great meeting. The Annual Meetings are a great way to meet your colleagues from around the country, renew friendships, stay current on the latest geological topics, and of course to obtain samples of rocks or minerals you have always wanted to have.



Group photo of the attendees of the gold mineralization field trip in front of the Homestake Gold Mine open pit on Wednesday. Michigan Section representatives Adam Heft and Bill Mitchell (both in the back row) attended the trip. Photograph courtesy of Adam Heft.

Adam Heft, CPG Michigan Section AIPG Newsletter Editor, and John Barkach, CPG, Michigan Section 2012 Vice President

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## Welcome New Members

The Michigan Section is continuing to grow. Please welcome the following new CPGs, Professional Members, Young Professional Members, Associate Members, and Students:

Stephen Zayko, Cassandra Javor, Montana Krukowski, and Allison Rogowski.

To each of our new members, the Michigan Section Executive Committee would like to welcome you to our Section, and encourage you to attend Section meetings and other events. You are also welcome to provide information for the Member's Corner articles.

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## 2013 Michigan Section AIPG Summer Field Trip

Where should we go? What do we want to see? Do we want to collect fossils? Mineral specimens? Do we want to see glacial features?

ANSWERS: EVERYWHERE. EVERYTHING.

Now, I need to narrow it down. We are already starting to think about next summer's field trip and we are looking for some fun, family friendly places to go check out the geology, spend some time with

fellow geologists, and see more of our great state. If you have any suggestions for a destination, please contact Sara Pearson at [pearsons@michigan.gov](mailto:pearsons@michigan.gov) or (616) 356-0253.

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## Candidates for 2013 Section Secretary

It is almost that time again; the Michigan Section will be holding its annual election for the position of Section Secretary in November. Tabulation of members' votes will occur up until the annual meeting, at which time the results will be announced. For the consideration of Section members, a brief biography and statement by each candidate running for this office is included below:

**Brian F. Burke, CPG-10546** - I graduated with honors (BS Geology) from Michigan State University in 1985 and began my professional career at Abrams Aerial Survey Corporation (AASC) in Lansing, Michigan where I worked on the photogrammetric survey crew and edited digital maps. From 1989 through 2008, I worked for Soil and Materials Engineers, Inc. (SME) where I started as a field geologist and worked my way up to project manager and branch office technical review for due diligence projects. I had tremendous opportunities to work on a wide variety of Part 201, Part 213 and Brownfield redevelopment projects. For the last three years, I have been working with Mark Sweatman, Rob DeWyre, Kurt Cunningham and Jason Armstrong (all CPGs!) first at BCI Engineers & Scientists, Inc. and then at AMEC Environment and Infrastructure, Inc.

I have been an active Michigan Section member and have also been active in the American Water Works Association, Associated General Contractors in Lansing and Chambers of Commerce in Lansing and Livingston County. Now that my kids are grown, I have more time to devote to a quality organization like AIPG. I'm looking forward to the opportunity to contribute to the growth and health of the Michigan Section and if elected Secretary, I will truly enjoy welcoming each of you personally to each Section Meeting.

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## Michigan Department of Environmental Quality News

### *Organizational Changes*

As of October 1, 2012, the Remediation Division has been renamed the Remediation and Redevelopment Division (RRD) to once again emphasize the importance of Brownfields to the program and redevelopment in Michigan. The Resource Management Division is now the umbrella name for the three offices that are located within this group. The three offices include the existing Office of Oil, Gas, and Minerals (OOGM), and two new offices identified as: Office of Drinking Water and Municipal

Assistance (ODWMA) and Office of Waste Management and Radiological Protection (OWMRP).

The Underground Storage Tank Inspection and Certification Program is being transferred from the Remediation and Redevelopment Division to the Bureau of Fire Services in the Department of Licensing and Regulatory Affairs (LARA). The transfer will take place over the next 60 days with the Executive Order issued to make transfer effective on December 2, 2012.

### *Legislative Updates*

Senate Bill 1210 was introduced in the Senate on July 18, 2012 to amend 1996 PA 381, entitled Brownfield Redevelopment Financing Act. Substitute bill 1210 S-4 was passed by the Senate on September 27, 2012. The bill may be viewed at <http://legislature.mi.gov/doc.aspx?2012-SB-1210>.

Senate Bill 1328 was introduced in the Senate on September 25, 2012 to amend 1994 PA 451, entitled Natural Resources and Environmental Protection Act (NREPA). This bill proposes amendments to Parts 196 and 201. Since the introduction of the bill, additional action has not been taken since the legislature has not been in session. This bill may be viewed at the following link <http://legislature.mi.gov/doc.aspx?2012-SB-1328>.

The Remediation and Redevelopment's Collaborative Stakeholder Initiative (CSI) activities discussed in previous issues of AIPG's Michigan's Section newsletter are continuing with expanded stakeholder groups working on additional proposals for statutory amendments and developing policy and procedures for specific issues related to the division's programs.

Sara Pearson, CPG, MDEQ RD Senior Geologist, Grand Rapids District

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## 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.

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## Michigan Section AIPG Awards Information

How many of you know that the Michigan Section has an awards program and provides grants to educational applicants each year? Did you know that over the past several years the Section has provided Grants to a variety of applicants that ranged from \$500 to \$1,000 each? For those members that attend the annual general meeting at the end of the

year, they have had the pleasure of witnessing the distribution of both the awards for our membership, as well as grants to deserving recipients.

As the Chairman of the Awards Committee, it is my pleasure each year to coordinate both the awards and educational grant programs, and I would like to take this opportunity to remind the membership that they can help make both of these programs an ongoing success. The various awards available include: Longevity, Outstanding Contribution to the Michigan Section, and Geologist of the Year. The longevity award is easy to get, as you just have to put up with the rest of us year after year and keep paying your dues. The remaining awards (Geologist of the Year and Contribution to the Section) are awarded based on a nomination and voting process by the Awards Committee. This is where each of you can contribute by nominating a member/non-member for an award. The nomination forms are available online or an email with your nomination sent to [jason.lagowski@arcadis-us.com](mailto:jason.lagowski@arcadis-us.com) will suffice.

The educational grants are also a great opportunity to help your local school or organization that is involved in earth science education raise additional funds for a specific project. We have struggled in recent years to get nominations for some of these awards and as a result did not make an award. So spread the word that these grants are available for deserving groups and remember that the kids involved in these types of programs are the future membership of this and/or other AIPG Sections. In addition, consider your colleagues and decide whether they might be worthy of one of our Section awards.

Jason Lagowski, CPG, Awards/Educational Outreach Committee Chairman

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## Newsletter Notice via E-mail

Please be sure that you continue to receive the Section newsletters and other announcements. 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. If you are not receiving announcements directly from the Editor, it is because your email address is not up to date.

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## Section Website Reminders

As you may have noticed, the Michigan Section is working on building a database of geologic photographs on our website. We would like to continue building this collection. Please submit photographs that you are willing to share to Adam Heft at [heft@pbworld.com](mailto:heft@pbworld.com). Don't forget to include your name and a short explanation of what the

photograph depicts. The photographs will be periodically uploaded to the website once several have been received.

You will also note that the Section website now has a history page. Currently, it includes information on Douglas Houghton, Michigan's first State Geologist. We will be including information on the Section's officers in the near future. If you have suggestions on other items that should be included on this page, please let a member of the Section Executive Committee know.

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## Member's Corner

*The Member's Corner includes 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 the Editor for inclusion in this section.*

No Member's Corner articles were received for this edition of the newsletter.

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## Employment Opportunities/Seeking Employment/Member Opportunities

*To serve our members, and provide added value, the Michigan Section Executive Committee has decided to allow ads for employment or other opportunities to be posted in the Section newsletters. Employment ads will run for one edition unless renewed. There is no cost to our members or sponsors for this service. Send your employment opportunities to the Editor.*

### Storm Water Specialist

University of Michigan, Ann Arbor, MI

Date Available: Immediately

This posting is for an intermediate level storm water management professional that will work collaboratively as a member of the University of Michigan Occupational Safety and Environmental Health (UM-OSHE) Department's Environmental Protection and Permitting Program (EP3). The primary focus of the position will include, but not be limited to, the overall management of the University's National Pollutant Discharge Elimination System (NPDES) Permit and other related storm water compliance issues. For consideration, applicants must have a minimum of 3 years' experience managing a NPDES permit, which includes all reporting and compliance requirements of the permit. Additional responsibilities may include: Joint Permit Applications, Threatened & Endangered Species Report evaluation, Wetland & Stream Delineation Report review, TMDL sampling, Floodplain Evaluation & permitting, and sanitary sewer permitting & compliance.

The University of Michigan (UM) is one of the best public universities in the country, and demonstrates a strong commitment to the protection of our natural resources and the environment. This open position is located in Ann Arbor, MI which is a diverse and vibrant community that offers a wide variety of social and cultural opportunities and a high-quality of life. The UM offers a generous benefits package, details of which can be found at:

<http://www.benefits.umich.edu/>

For more information regarding the Storm Water Specialist position, please see either the University of Michigan jobs webpage located at <http://umjobs.org/> or the OSEH careers webpage at <http://www.oseh.umich.edu/careers.shtml>.

### **Equipment for Sale**

Four never used Solinist Gold transducer well recorders for sale. One is a barometer type. Will sell for \$400 each.

Gary Dannemiller (517) 483 3394 or [gjdannemiller@yahoo.com](mailto:gjdannemiller@yahoo.com).

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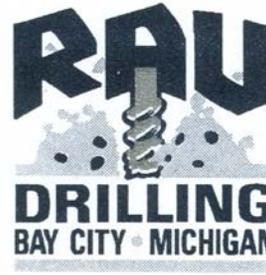
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**Michigan Chapter  
American Institute of Professional Geologists  
MEETING ANNOUNCEMENT**

**November 29, 2012**

**OFFSHORE CORING FEASIBILITY STUDIES – GEOTECHNICAL  
INVESTIGATIONS TO SUPPORT A POTENTIAL LARGE WATER  
INTAKE**

Featured Speaker:

[Joyce Dunkin](#)

**Location:** Johnson Center, Cleary College, Howell, MI (Map attached)

**Cost:** Students Free, Members \$35.00, Non-members \$40.00. **Registration is payable electronically via constant contact (see link below) or at the door by cash or check; however, prepayment is preferred and speeds up the check-in process at the door. Please note: Cancellations made within 48 hours of the meeting and/or “No Shows” will be charged and expected to pay the registration fee.**

**Dinner:** Choice of: Fire-grilled Breast of Chicken topped with Champagne Lemon Sauce or Tri-Colored Cheese Tortellini, Sun-Dried Tomatoes, and Artichoke Hearts, tossed in a Roasted Red Pepper Sauce. Both entrees include roasted red skin potato, gardener’s salad, green bean almandine, rolls and butter, and desert.

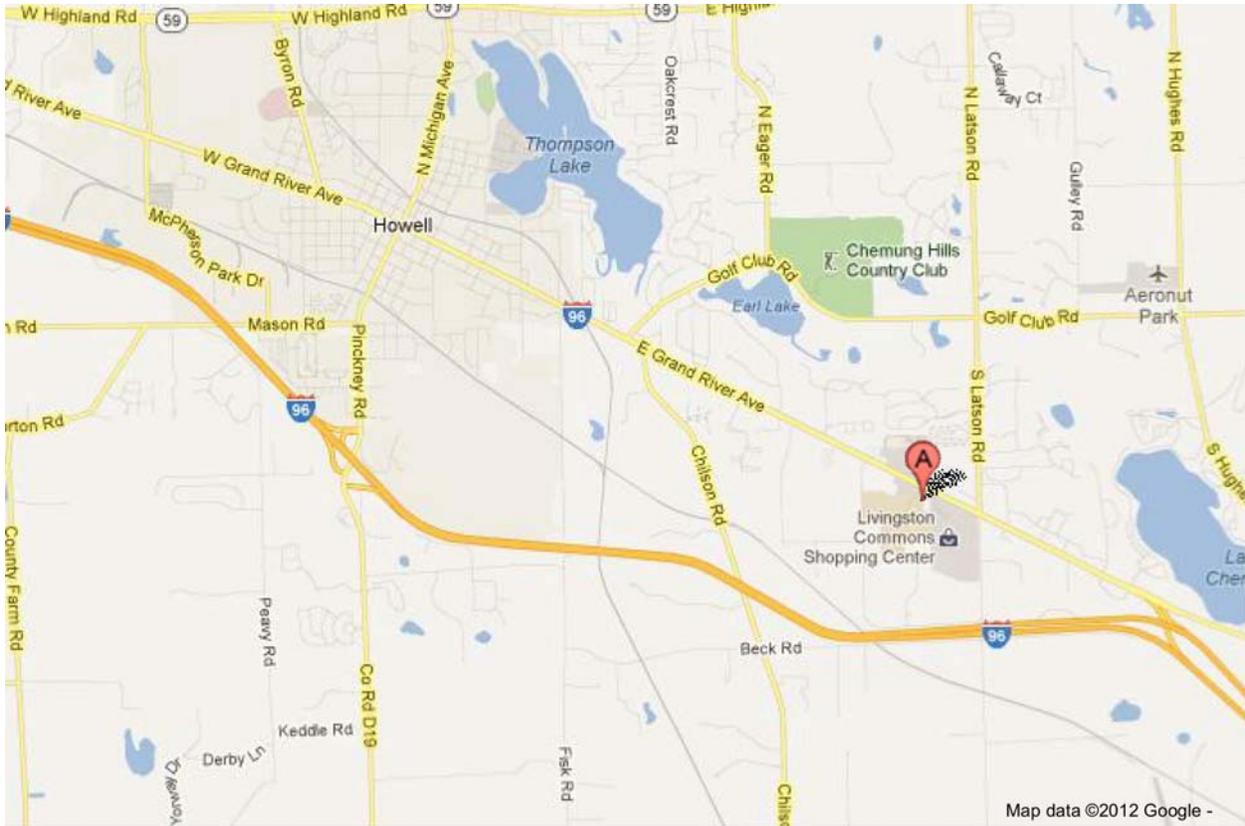
**Time:** Cash Bar 5:30-6:30 PM, Dinner 6:30 PM, and Speaker 7:30-9:00 PM

**RSVP:** On the Constant Contact website no later than November 26th at:  
<http://events.constantcontact.com/register/event?llr=hppwbcjab&oeidk=a07e6j4kijbe9641c33>.  
You can select your meal choice and pay online if you choose, or pay at the door by cash or check if you prefer.

Ms. Dunkin is a senior geologist/hydrogeologist with LimnoTech. She has participated in numerous CERCLA- and RCRA-related projects, primarily for private-sector clients. Her responsibilities have included project management for remedial investigations and feasibility studies; work plan and report preparation and review; field investigation methods development; soils and groundwater remedial design; field supervision; groundwater modeling; groundwater supply studies, and geologic and hydrogeologic data collection, synthesis, interpretation and analysis. She has developed computerized geologic/hydrogeologic data display and interpretation tools, which have been used to develop input and calibration parameters for surface water and groundwater models. Ms. Dunkin has worked at LimnoTech since 1991 doing geologic and hydrogeologic investigations and data interpretation. Prior to that, she worked in Houston for 5 years as an exploration geophysicist with Exxon Company, USA.

# AIPG Section Meeting November 29, 2012

## Johnson Center, Cleary College, Howell



**From I-96 West:** I-96 West to Exit #141 (Grand River), west onto Grand River. Go through the light at Latson Road, then through the next light at the Meijer entrance. Turn left onto Cleary Drive (immediately past the Meijer entrance) and follow the drive back to campus.

**From I-96 East:** I-96 East to Exit #137 (Michigan Avenue/D-19), north onto Michigan Avenue. Turn right on Grand River. Follow Grand River through town to Grand Oaks Drive. Turn right onto Grand Oaks, then left onto Cleary Drive; OR, go through the lights at Grand Oaks and in front of the Speedway station, and turn right onto Cleary Drive.

**From M-59:** (east- or westbound) South onto Latson Road; follow Latson to Grand River Avenue (2nd traffic light). Turn right onto Grand River, go through the next light (at the Meijer entrance) and make an immediate left onto Cleary Drive. Follow the drive back to the campus.