



# American Institute of Professional Geologists Michigan Section

February, 2007

## From the President's Desk

I would like to start by saying that I am privileged and honored to serve as your 2007 President for what promises to be a very exciting year. As a result of the hard work from our past leadership, and contributions from our membership, the Michigan Section has never started a year off better. Our membership is strong and our finances are growing. This allows our organization to increase value to our members, provide more support to our student chapters and educators, and increase our abilities to advocate, promote and advance the "geologic" profession in the great State of Michigan.

This theme for this year is "Geologist's Role in Protecting and Preserving the Public Welfare and the Environment". This theme tie bars well with our ongoing mission to educate our legislators and the public on the importance of the geologist's role in making sound scientific decisions regarding the public's welfare and the environment.

When someone asks me what a geologist does for a living, I usually tell them "we don't do windows", meaning we do a little of everything. It is apparent that we all need to do a better job in educating people on what we do as geologists. Some examples of what we do include; management of the air, soils, and ground waters of the state; surface water and wetlands; mining of aggregates, rock, and precious metals/minerals; exploration of oil/gas, environmental remediation; industrial compliance, and Brownfield redevelopment. We also protect the public from physical hazards such as floods, slope failures, sinkholes, rockfalls, and erosion, to name a few. Let's work together and get the word out.

One of our primary objectives, of course, is to support and promote the passage of State licensure for geologists. Our Legislative Committee is making great strides with this initiative, currently working on bipartisan support. Bravo to all of those involved! Keep up the good work.

In keeping with this theme, I encourage all of you to register early for our first Quarterly Meeting on

Thursday, March 1 2007 at Tony M's in Lansing. Mr. Joe Maki, U.P District Geologist and Mining Specialist, has agreed to come and speak to us about the permitting of the Kennecott Mine, from a geologic, regulatory and concerned citizens standpoint. Space is limited, so act now!

As you are aware, we currently have two active student sections: Eastern Michigan University and Central Michigan University. I am proud to announce that this year we are targeting the addition of three new student sections, including; Wayne State University, Western Michigan University and Michigan Technological University. I would like to extend many thanks to those on the newly appointed Membership Committee for making this an achievable goal for this year.

Last but not least, the 44th Annual Meeting of AIPG in Traverse City Michigan, as hosted by the Michigan Section of the AIPG. Folks, this is a big deal for our organization, our profession and our State. I encourage all of our members to attend. Please read Adam Heft's update in this newsletter and visit our website for complete details.

The state of our organization is strong, and our strength is our members. I would like to encourage you all to get involved and volunteer. It is like anything else, you get out of it what you put into it. I guarantee you will find that it is a truly rewarding experience.

Thank you again for the opportunity to serve.

Scott A. Cesarz, CPG  
AIPG Michigan Section President.

**Newsletter Notice via E-mail:** Save us costs and more quickly receive meeting announcements and newsletters. Submit your e-mail address to Ty Black at [tyblack@freeway.net](mailto:tyblack@freeway.net) or [blackt@michigan.gov](mailto:blackt@michigan.gov).

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## Coming Events

**March 1, 2007: AIPG Chapter meeting:** "Geologist's Role in Protecting and Preserving Public Welfare and the Environment" by Joe Maki, Geologist in Marquette for the DEQ Office of Geological Survey.

Location: Tony M's, 3420 South Creyts Road, Lansing, Michigan (517) 322-2069.

Dinner: Choose from: Prime Rib, Lasagna, or Pasta Marsala, garlic roasted redskin potatoes, California Blend vegetables, salad, bread, coffee, tea, and choice of cheesecake or chocolate cake.

Schedule: Cash Bar/Check-in 5:30 to 6:30 PM, Dinner: 6:30 Awards & Speaker: 7:30 to 9:00. Prize Raffle.

Cost: Students \$25, Members \$35, Non-members \$40.

**RSVP by February 23:** Telephone or e-mail registration with Name, Company, Address, Phone, Fax, and Amount Due to AIPG-Michigan Section, c/o Jason Lagowski, Secretary, 248-994-4049 or [jlagowski@gza.com](mailto:jlagowski@gza.com) no later than February 26, 2007. Reservations not cancelled by February 26 will be billed. Checks to AIPG-Michigan.

Students attending the meeting and looking for full-time employment after graduation or a part-time summer position can bring several copies of their résumé. Leave one résumé at the sign-in desk upon arrival. Résumés obtained at the meeting are available to AIPG members seeking job candidates by contacting Kevin Lund, [lundk@michigan.gov](mailto:lundk@michigan.gov).

**February 13, 2007** (Tuesday): MBGS meeting. Keith Johnson, Manager of Geophysics with Wolverine Gas and Oil Company will discuss Wolverine's discovery in the Federal Unit, located in the Central Utah Thrust Belt.

**March 14, 2007:** MBGS meeting. Dr. Taggart will discuss the K-T Boundary at MSU, more information to follow.

**June 23, 2007:** AIPG National Executive Committee. Everyone is invited to meet with the Executive Committee. Details to be announced.

**MBGS tentative/upcoming field trips:** Salt mine trip –

May 5, 2007; Baraboo – with Robb Gillespie, Possibly 3rd weekend in Sept. 2007, Friday – Sunday Coyote Creek in Diamondale. Check at [www.mbgs.org](http://www.mbgs.org) for details.

**October 7-11, 2007:** AIPG National Meeting. "Geology: The Foundation for the Environment and Resources." Registration and details at [mi.aipg.org/New2007Conference.html](http://mi.aipg.org/New2007Conference.html)

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## Section Meeting March 1

Joe Maki, Geologist for the DEQ Office of Geological Survey, will be the distinguished Key Note Speaker at our March 1, 2007 - 1st Quarterly Meeting in Lansing, Michigan. Mr. Maki has been working with the Kennecott Mine application.

The main speaker theme for this year is "Geologist's Role in Protecting and Preserving Public Welfare and the Environment". The Kennecott Mine is an excellent topic and will provide valued insight to our members on the complex geological, environmental, ecological and regulatory aspects of this project.

Joe Maki is the UP District Geologist and Mining Specialist of the Office of Geological Survey, Michigan Department of Environmental Quality. He has a BS, Geology/Hydrogeology from Central Michigan University

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## Educational Advancement Award

AIPG (Michigan Section) will present a 2006 Educational Advancement Award worth \$1,000 to the Forest Hills Central Middle School, Ada, Michigan at our March Section meeting. Forest Hills Central Middle School will be using the award to purchase educational supplies for their earth science classes. Accepting on behalf of Forest Hills is Ms. Susan Tolbert.

**AIPG Michigan Section Officers** Kevin Lund, Past-president, 888-417-4440 ([klund@g-eri.com](mailto:klund@g-eri.com)); Scott Cesarz, President, 734-397-3100, ([sac@msg-dearborn.com](mailto:sac@msg-dearborn.com)); Tim Woodburne, Vice President, 616-364-8491 ([twoodburne@preinnewhof.com](mailto:twoodburne@preinnewhof.com)), Sara Pearson, Treasurer, 616-356-0253, ([pearsons@michigan.gov](mailto:pearsons@michigan.gov)); Jason Lagowski, Secretary, 248-994-4049 ([jlagowski@gza.com](mailto:jlagowski@gza.com)).

**Newsletter Editors** Tyrone J. Black, 989-705-3402 ([blackt@michigan.gov](mailto:blackt@michigan.gov)) and Adam Heft, 517-887-1100 ([hefta@fitzhenne.com](mailto:hefta@fitzhenne.com)).

**Committees** Awards, Jason Lagowski ([jlagowski@gza.com](mailto:jlagowski@gza.com)); Educational Outreach, Adam Heft ([Heft@fitzhenne.com](mailto:Heft@fitzhenne.com)); Membership and Student Chapters, Walter J. Bolt ([wbolt@manksmithgroup.com](mailto:wbolt@manksmithgroup.com)); Registration, Scott Cesarz ([sac@msg-dearborn.com](mailto:sac@msg-dearborn.com)); Screening, Kevin Lund ([klund@g-eri.com](mailto:klund@g-eri.com)); 888-417-4440; Student Chapters, Eric Wallis ([Ewallis@WM.com](mailto:Ewallis@WM.com)); Quarterly Meetings, Scott A. Cesarz, ([sac@msg-dearborn.com](mailto:sac@msg-dearborn.com)); Treasury, Bruce Beltman ([bbeltman@gwsi.biz](mailto:bbeltman@gwsi.biz)); 2007 Annual Meeting, Adam Heft ([Heft@fitzhenne.com](mailto:Heft@fitzhenne.com)).

**Circulation** of the Michigan Section Newsletter is to over 290 members, a number of prospective members, several geology departments, and companies for a total over 450. 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.

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## The Hijacking of Science

Is anyone else bothered by the Human-Caused Global Warming Theory debate that is going on? Not the subject, since that is fodder for legitimate debate, but how the debate (or non-debate) is being conducted (by non-scientists I might add). As I see it, science and the scientific method are being hijacked in the name of politics and personal agendas by non-scientists who don't respect the scientific method. To read the news or listen to politicians, the matter is decided — global warming is occurring, man is significantly contributing to it or causing it, and drastic measures are needed to reverse the effects. This may or may not be true. These matters should be fodder for rational debate; however, to read the discourse, this is not the case for many.

It seems that more frequently, those who dare challenge the “conclusions” are attacked and criticized (I have read comparisons of them to Holocaust deniers) — not their science or data, but ‘them’ for their audacity to challenge the “accepted” theory. Since when do politicians seize control of scientific debate of a theory and stifle dissenting opinions? I know the Vatican did this to radical heretics like Galileo centuries ago — but aren't we beyond that? Where would our understanding of plate tectonics or evolution theory be if dissent and challenge was stifled? These non-scientists need to understand that scientific theory does not work this way – it demands dissent and alternative theories, not stifle them. One does not reach his conclusion, defend it at all costs and make all data observations fit the accepted model. Scientific theories are SUPPOSED to be vigorously challenged and questioned — its not a race to see who can conclude the “truth” first or provide the most radical consequence if he is right. Mind you, this cuts both ways — scientists and non-scientists on both sides of the issue are guilty of this type of dissent-squelching behavior.

Individually, we can (and should) have professional opinions on whether we think human-induced global warming is occurring — as scientists we need to recognize and respect the fact that the theory has not been proven either way. Further, as scientists, we are obligated to speak out and defend the scientific process that allows the free discussion and challenge of the theory being espoused. As geologists and scientists we know that scientific theories like climate change are subject to scrutiny and honest intellectual challenge. A theory does not become law until it is rigorously tested, challenged, and proven by peers in the scientific community. There is evidence to support anthropogenic effect on the climate. Equally, there is evidence to support natural cycles and influences. As geologists, we think in terms spanning millions of years, not

decades. We recognize that the planet is NEVER in equilibrium and constantly changing. Also, we recognize that the causes of change are equally known and unknown. On one hand, man can be a powerful change-inducing force, while at the same time being completely powerless to affect change.

Geologists need to take a firm position in the human-caused climate change debate — I propose that our position be that we will unequivocally and respectfully consider and debate all data supporting and contradicting the various positions being considered. We should assert at every opportunity that the scientific method requires that each side challenge its beliefs and that data should lead to a conclusion (subject to change based on more data) — a conclusion should not lead to how data is interpreted.

Eric Wallis

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## RRD Invitation--Op Memo Peer Review

The Remediation and Redevelopment Division (RRD) extends an invitation to AIPG members to participate in the Peer Review Process for the RRD Operational Memorandum No. 4, Site Characterization and Verification of Remediation, Attachment 10, Groundwater Not In An Aquifer. This document addresses the required analysis and documentation for investigation and other response actions under Part 201 and Part 213.

To kick off the Peer Review Process, RRD will hold a meeting to present current issues associated with the determination that groundwater is not in an aquifer and factors considered in developing the operational memorandum.

The meeting is scheduled for:  
Wednesday, February 14, 2007 – 10:00 AM  
Dorothy Judd Conference Room  
Constitution Hall, 4th Floor, North Tower  
Lansing, Michigan

The presentation at this meeting will include a discussion of the requirements of the document and site-specific examples of application of the requirements.

The RRD offices and the meeting site are located in Constitution Hall at 525 West Allegan Street in Lansing. A public parking lot is available adjacent to Constitution Hall. The parking lot entrance is accessible from Allegan Street. If you would like to attend or participate in the peer review process, please contact:

Ms. Patty Brandt, Part 201 Program Specialist  
Michigan Department of Environmental Quality  
Remediation and Redevelopment Division  
P.O. Box 30426  
Lansing, Michigan 48909

Please note that space is limited.

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## Geologist Licensure?

Members of the Executive Committee and others are meeting with Representatives in Lansing in February to discuss reintroducing legislation to establish licensure of professional geologists. Previous bills that were introduced as part of the last two legislative sessions were broadly supported by community planners, engineers, geologists, and legislators as well as the solid waste, environmental, and water resource industries.

Many legislators in Lansing have been strong advocates for licensure and understand how the work performed by professional geologists can have a significant impact on the resources and citizenry of our great State and they understand the need to protect the public's health and environment. We are hopeful that we can continue to move forward with this new bill being reintroduced with broad bipartisan support as part of latest legislative session. Some may recall that we ran into some unexpected opposition from the aggregate and oil & gas industries in the past; however, since we have met with those involved, we have developed new language to alleviate their concerns. Please stay tuned, as intriguing times are ahead. Should you have questions or wish to provide your assistance, please contact me at [wbolt@manniksmithgroup.com](mailto:wbolt@manniksmithgroup.com).

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## Help Needed for National Meeting – Call For Papers

I will get right to the point – I need your help getting our Call for Papers (CFP) circulated in order to assure that we have a sound Technical Program to support the Annual Meeting in October. We can publish our CFP in countless periodicals at great expense, but we will get the greatest response by utilizing our personal networks to invite colleagues to submit abstracts. With that, I ask that each of you go to the section website

[www.mi.aipg.org/2007%20Ann%20Mtg/2007Conference.html](http://www.mi.aipg.org/2007%20Ann%20Mtg/2007Conference.html), download the CFP, and email it to professional colleagues and acquaintances, requesting that they consider participating in this meeting. If you are able to contribute an abstract, please do so. The overall success of this meeting will in part be determined by the content of the Technical Program, your help is needed to assure our success. Thank you.

Eric Wallis

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## 2007 Annual Meeting Update

The Planning Committee for the 2007 Annual Meeting continues to make progress. Registration for the meeting has been open since late September,

and there are already several people signed up. The full meeting information package will be included in the March/April TPG, one issue earlier than it usually is. In the meantime, the Michigan Section website has the details for all of the planned events; check it out at: (<http://mi.aipg.org/New2007Conference.html>).

The Planning Committee is looking for potential sponsors, advertisers, and exhibitors. This is a great opportunity for your firms to get exposure to several hundred of our colleagues from around the country, and to show their support for AIPG. We would also appreciate the efforts of all our members in helping get companies to step forward in this endeavor. When you talk with your vendors about projects, ask them whether they have received information about the meeting and whether they would consider being a sponsor, exhibitor, or advertiser. This is currently the task that the Planning Committee could use help on the most: passing the word and recruiting sponsors and exhibitors. Even small contributions are appreciated, and will be acknowledged in the Program Book. If anyone has questions, feel free to contact Ed Everett, Ty Black, or myself. As of mid-January, we have three exhibitors and two sponsors committed.

The Call for Papers has been sent out, and is also posted on the Michigan Section website. If you or a colleague might be interested in presenting a technical paper at the meeting, please refer to the document for details. Questions may be directed to Eric Wallis. Please pass the word about the Call for Papers. As of mid-January, we have three abstracts for the technical session.

As always, anyone interested in helping out the Planning Committee would be welcome to attend the planning meetings. The schedule for the meetings through July is posted on the website. Please contact me or another member of the Planning Committee if you have any comments, suggestions, or ideas on any aspect of the meeting.

Adam W. Heft, CPG  
2007 General Chairman



**Lawrence M. Austin, CPG**  
President

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*Environmental & Hydrogeological  
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# AIPG Section Meeting Announcement

March 1, 2007

## "Geologist's Role in Protecting and Preserving Public Welfare and the Environment"

Featured Speaker: **Mr. Joe Maki**

### Geologist for the DEQ OGS

**Discussion:** The main speaker theme for this year is "Geologist's Role in Protecting and Preserving Public Welfare and the Environment". The Kennecott Mine is an excellent topic and will provide valued insight to our members on the complex geological, environmental, ecological and regulatory aspects of this project.

**Location:** Tony M's Banquet, 3420 S. Creyts Road, Lansing, MI (Map attached)

**Cost:** Students \$25.00, Members \$35.00, Non-members \$40.00\*

**Dinner:** Choose from: Prime Rib, Lasagna, or Pasta Marsala, garlic roasted redskin potatoes, California Blend vegetables, salad, bread, coffee, tea, and choice of cheesecake or chocolate cake.

**Time:** Cash Bar 5:30 - 6:30 pm, Dinner 6:30 pm., and Speaker 7:30 pm followed by Q&A

\*Registration payable at the door by cash or check; however, prepayment is preferred and speeds things up at the door. *Please Note: Cancellations made within 24 hours of the meeting and/or "No Shows" will be charged and expected to pay the registration fee.*

**Space is limited**

**Guest Speaker:** Joe Maki is the UP District Geologist and Mining Specialist of the Office of Geological Survey, Michigan Department of Environmental Quality. He has a BS, Geology/Hydrogeology from Central Michigan University Followed by Q&A.

**RSVP:** Jason Lagowski, Secretary, 248-994-4049 or [jlagowski@gza.com](mailto:jlagowski@gza.com) no later than February 26, 2007.

# AIPG Section Meeting March 1, 2007

Tony M' s Banquet, 3420 South Creyts Rd, Lansing



# AIPG – Third Annual AIPG Michigan Section Golf Outing

## Friday May 18, 2007

### Sponsor Information

#### Dinner Sponsor- \$800

##### Investment includes:

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

#### Oasis Sponsors - \$500

##### Investment includes:

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

#### Tee Box/Award Sponsor - \$150

##### 18 Available

##### Investment includes:

- Tee box signage
- Corporate recognition\*

#### Skill Sponsors – \$300

##### 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.

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

\*Corporate Golf Sponsors will receive AIPG membership, recognized in the June 2007 Quarterly News letter, on the Michigan Section Web Site through November 2007, and displayed as a supporter of the Michigan Section at the 2007 National Convention in Traverse City.

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, scholarships and the 2007 National Convention.

Place: **The Majestic at Lake Walden**

<http://www.majesticgolf.com/>

<http://michigan.twoguyswhogolf.com/reviews/majesticrev.html>

Event: **18-hole Scramble**

Date: **May 18, 2007 Friday**

Registration: **8:00 to 9:45 AM**

Tee Time: **10:00 AM**

Includes: Green fees, cart, range balls, lunch on the course, Networking 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.

Individual = \$150 Team = \$500 (4 players)

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

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

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

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

Contact Name, Company and Phone Number for your Foursome

Make Checks to:

**Michigan Section-AIPG**

**C/O GEO-environmental Resources, Inc.**

**2531 Jackson Road**

**Suite #164**

**Ann Arbor, Michigan 48103**

Contact:

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

Bob Reichenbach [BOB@INSIGHTES.COM](mailto:BOB@INSIGHTES.COM)

CALL or FAX to reserve your place!

**888-417-4440**

**Golfer Sign up Due by:**  
**May 4, 2007**

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