

WISCONSIN AIPG SECTION NEWSLETTER

Summer 2016



Wisconsin

President's Message

Congratulations to newly elected 2016 WI AIPG Section Officers! Jayne, Paula, Andrew, Thomas and myself are returning officers and **Darrell Reed** from SEH Inc – Chippewa Falls, WI is our new Vice President and **Trevor Nobile** from DNR is our new Secretary. Darrell and Trevor are off to an amazing start with their emails and calls to the college contacts they have forged in the past.

Instead of creating events or finding events on our own and then asking you to help us support these worthy causes with your time and monetary support, we are asking you what events you are supporting in 2016-2017. So, we can join you in your efforts.

What geoscience events are your companies, your colleges and your other associations supporting in the near future? Do you need *more volunteers*? Do you need *money*? We want to hear from you as soon as possible. Just send any of your current board members an email letting us know your plans.

Your Wisconsin Section board meets by conference call the last Monday of every month, between 12:30pm to 1pm. Call notes are posted on our website: <http://aipgwisconsin.org/>

Currently we are working on getting a GoFundMe on-line fundraiser for student scholarships ready for August 2016. Five innovative geoscience projects will be competing for your vote of "Best Geoscience Project"! We look forward to your votes and your emails!

2016 Wisconsin Section Officers

President

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Vice President

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Secretary

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Screening Board Chairman

Andrew Mott
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Education Committee

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Testing the Waters: Real Time Sampling! - 2016 WI AIPG Support Event

The ten (11) day “Testing the Waters” educational adventure held from May 15 to May 25, 2016 on the Rock River in Wisconsin is complete!

Preliminary results were varied. Some areas were cleaner than expected and others had unexpected lower water quality results.



WI AIPG provide them lodging, breakfast and AIPG baseball caps on May 17th, an honor guard of a WI AIPG paddler on May 22nd, monetary support and river geology educational resources for the student use in schools through-out the Rock River watershed basin!

The canoe and kayak paddlers used special equipment to take water quality samples along the Rock River from Mayville to Beloit, and stopped at communities along the way to share what they were learning and provided a forum for discussions about water quality and practical solutions.

Rather than conducting tests in one spot, paddlers installed special equipment on their kayaks to measure four parameters, every 10 seconds, all along the river throughout the 11 days of the trip.

The information was instantly uploaded to a mapping server via the paddlers' cell phones, so anyone with Internet access could see the results.

Future website visitors are able to view data and even prepare maps to print or share in presentations or on social media.

The water quality tests included dissolved oxygen, temperature, conductivity and pH, each an important measure of water quality.

Traditional sampling was done as well by collecting water samples for phosphorus analysis at the start and end of each day and at the confluence of every major stream or river entering the Rock River. The paddlers also measured turbidity, or how clear the water was, several times each day.

Together all these measurements will give a better picture of the Rock River's water quality and help communities plan on how and when water quality improvement projects should be implemented!

All the data, maps and photos collected can be viewed at:

<http://www.testingwaters.org/dashboard.htm>

Final reports by the students will be posted in the next few months.



Photo Credit: Rock River Coalition
Professor Eric Compas – UW Whitewater

Student Scholarship Fund Raising – GoFundMe Best Geology Project Vote

Watch your email boxes in August 2016 for an exciting new way to promote your company and/or organizations innovative geology projects AND support student scholarships at the same time.

Five companies are competing for “Best 2016 Wisconsin Geoscience Project”: CBI, Marek Landscaping LLC, Natural Resource Technology, Stantec and Wisconsin Energy Institute.

Vote for the Best 2016 Wisconsin Geoscience Project

Support Stable Land, Clean Water & Soil, and Energy for Wisconsin
By Supporting Wisconsin Geoscientists!



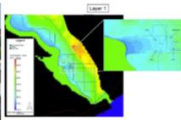
Photo Credit: UW Whitewater - Wisconsin AIPG Student Chapter Officers

Thousands of Geoscience Professionals in Wisconsin work daily on projects that provide stable building sites, clean water & soil, and energy for our State and our Nation!

Competing Projects for 2016



PROJECT A
Multi-owner Remediation Site



Project B
Groundwater Relief System



Project C
Bluff Restoration

The Wisconsin American Institute of Professional Geologists (AIPG) would like to acknowledge these successful geoscience projects and support scholarships for our future geoscience professionals with this Vote for the Best Wisconsin Geoscience Project fundraiser!

The funds raised will be used for Student Scholarships for our Wisconsin AIPG Student Chapter members. The winning project will be written up in our State and National newsletter & magazine and published in a local newspaper of the winner's choice!

For each \$5 given to this fundraiser, you will receive 1 vote. Increased levels of voting also receive complimentary gifts for you the voter!

You can help choose the winner and *earn prizes* if you sign up through the GoFundMe webpage in the future. We are eager to see who YOU vote for!

AIPG Mentor / Mentee Program

AIPG has over 4,500 members that are professional geologists and over 3,000 student members. The AIPG Online Membership Directory makes it possible for you to become a mentor or a mentee.

Search the Membership Directory to find mentors and mentees in your specialty field of practice and also by state. We hope that more of our professionals will become mentors for the thousands of student members we now have.

Students are encouraged to take advantage of this valuable service available to them in finding a mentor.

Note: *This program and information is only available to AIPG Members.*

You must login as a Member to access the AIPG Online Membership Directory. Your login is your email address and if you do not know your password or forgot it click on Forgot your Password? and the system will send you an email to reset it.

<https://netforum.avectra.com/eWeb/DynamicPage.aspx?Site=AIPG&WebCode=LoginRequired&mssm=4344b012-32c2-443a-abb2-52e3df658d24&cst=f26338b9-f62d-401f-a942-d6d05830b15d&ent=b96cb9af-c2da-4547-8c5d-aa2b18607f54>

Email or call the AIPG Headquarters Office for assistance at aipg@aipg.org or 303-412-6205.

Geology Calendar of Events

Geology 2016 Schedule

Neville Public Museum

210 Museum Place, Green Bay, WI 54303-2760

October 9, 2016

Scanning Electron Microscopes (SEMs) as Tools in Geology

Presented by Dr. John Luczaj, UW-Green Bay
The presentation will explore what SEMs are and how they are used to explore the microscopic world of geology. Applications include microfossils, microcrystals, microtextures, and elemental analysis of minerals. Material sizes range from about 1 centimeter down to about 1 micrometer (1% of the width of a human hair). There is an exciting world to explore that simply cannot be seen with the naked eye or even optical microscopy. - See more at:
<http://www.nevillepublicmuseum.org/announcements/geology-club-monthly-meeting-22#sthash.jTCxR4wi.dpuf>

Mining and Industrial Site Life Cycles, From Exploration and Investigation to Innovation and Reclamation

October 4th - 5th, 2016

The Twin Cities Subsection of the Society for Mineral Exploration's Minnesota Section (SME-Twin Cities) is partnering with the American Institute of Professional Geologists Minnesota Section (AIPG MN) for a 1-day conference and an optional 1-day field trip.

The conference will highlight some of the Twin Cities area's most notable industrial and mining sites including the Twin Cities Army Ammunition

Plant (TCAAP) and the UMore Mining Area (UMA) located in UMore Park.

More details to come on the SME Minnesota Section's webpage. Please register on the AIPG Minnesota Section's webpage!

<http://aipgmns.org/meetinginfo.php?id=91&ts=1458231753>

Weis'n'Miners Geology Club

The Weis'n'Miners Geology Club is sponsored by the Weis Museum. The club is for everyone interested in minerals, fossils, lapidary & jewelry-making, geology, archaeology, gems, metaphysics, and mining.

Everyone is welcome--singles, couples, families, young & old--and all levels of knowledge. First organized in 2007, the Weis'n'Miners Club has already become the largest geology club in Wisconsin!

Weis'n'Miners Geology Club meets the last Tuesday of every month, at 6:30 pm
Emeritus Room at UW-Fox Valley
1478 Midway Road, Menasha

Some of their past meetings included presentations on wire-wrapping, mammoths and archaeology, gem faceting, gold, fluorescent minerals, and copper mines of Michigan's Upper Peninsula.

<http://www.uwfox.uwc.edu/wesm/geoclub.html>

NATIONAL AIPG CONFERENCE

September 10 -13, 2016

Santa Fe, New Mexico

Drury Plaza Hotel - 505.424.2175

AIPG Discounted rate - \$139

https://netforum.avectra.com/eweb/DynamicPage.aspx?Site=AIPG&WebCode=EventDetail&evt_key=0f9e993c-58c7-4803-86f6-18678dce1e12