



HUDSON-MOHAWK PROFESSIONAL GEOLOGISTS' ASSOCIATION

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<http://www.hmpga.org>

Mark Davin, Editor

Vol. 9 No.6

February, 2003

Feb. 12, 2003: Tom Johnson, of Alpha Geoscience & Mark Williams, of Earth Tech to present:

“Recent Studies of the Great Flats Aquifer in Schenectady County, New York”

Recently, several investigations have been performed to further our understanding of the environmental, geological, and hydrogeological properties of a portion of the Great Flats Aquifer in Schenectady County. The Great Flats Aquifer is a designated sole source water supply for the City of Schenectady, the Towns of Glenville and Rotterdam, the Village of Scotia, and the Hamlet of Rotterdam Junction. A combined withdrawal of groundwater by these communities is approximately 20 million gallons per day. The presentation will provide a brief overview and discuss the current understanding of the geology, hydrogeology, and groundwater usage/groundwater quality of the Great Flats Aquifer.

About the Speakers

Tom Johnson has over 24 years of experience as a consultant for geologic, hydrogeologic, and environmental projects. He has managed and provided technical direction for projects involving site characterization for landfills and mining operations, petroleum and hazardous waste remediation, and water supply/contamination investigations. Tom received his BS in Geology from SUNY Cortland and a MS from SUNY Fredonia. He worked for D'Apponia Consulting Engineers in Pittsburgh, PA during the early '80's and with ERT/ENSR in the mid-'80's before moving to Albany to join Dunn Geoscience Corporation in 1986. Tom joined Alpha Geoscience in 1994 and has been Vice President since 1998.

Mark Williams is a Senior Environmental Geologist for Earth Tech of Latham, New York (previously RUST E&I and Dunn Geoscience Corporation). Mark has over 14 years of experience as a consultant providing services involving geologic interpretation, hydrogeologic evaluation, site characterization, environmental remediation, and permitting/regulatory compliance for complex industrial projects, recently in energy, mining, and water supply sectors. He received his BS in Geology from East Carolina University, Greenville, NC in 1986 and has also conducted MS work at the SUNY College of Environmental Science and Forestry.

About Our Meetings

Where: Holiday Inn Turf
205 Wolf Road, Colonie

When: **February 12, 2003;** March 19, 2003;
April, 16, 2003 (HMPGA Short Course)
May 14, 2003

Board of Directors Meeting **4:00 pm**
Social Hour **5:00 pm**
Dinner **6:00 pm**
Program **7:00 pm**

Dinner: \$10.00/person for student members
\$20.00/person for members
\$22.00/person for nonmembers

Vegetarian meal options are available with prior request.****Individuals will be responsible for the cost of dinner unless cancellation notice is received 24 hours prior to the meeting.****

Reservations: Call or e-mail Diane Welch at (518) 348-6995 or dwelch@alphageoscience.com by the previous Friday. Please register even if you are planning on attending only the talk.

N From the President's Desktop

by Laurie Scheuing

I want to start out this month by extending my sincere thanks to Chuck VerStratten for his energetic and informative talk last month. Plus, he agreed to speak with only two days notice! Thanks so much Chuck!

Next, I would like to give a membership update. Last year HMPGA began keeping a membership database. While we are still working out some of the bugs, I believe there is a great deal of information that we can use. Below are some membership statistics for the past two years:

<u>Members</u>	<u>Individual</u>	<u>Corporate</u>
2002-2002	93	11
2001-2002	93	10
2001-2002 members, but did not renew this year.	35	2

If you look at the member numbers, we seem to be holding steady. However, when you look closely you see that there are 35 individual members out there that did not renew their membership this year. I would like to reach out to these individuals and encourage them to renew their membership for the current year. So, if you know any of the individuals on the following list, please remind them that they have not renewed their membership. Thank so much for your help!

Gilbert Brenner	Charlie Kavanaugh	Dr. Mary Roden-Tice
Christopher Burns	Douglas Lathrop	Dr. Donald Siegel
Gina Calderone	John Luttinger	Taury Smith
Gary Casper	John Martin	Justin Spanneut
John Ciampa	Christopher Marx	Edith Thornburg
Alex Czuhanich	Dennis McGrath	Brian Titone
Richard Dana	Brian Milliman	Matthew Uliana
David DeSimone	Ralph Morse	Neil Winner
Nannette Geary	John Munsey	Cindy Wolf
Alan Hall	Lars Nelson	Mark Zdunczyk
Michael Hertle	Bernard Neumann	Justin Zdunczyk
Stephen Howe	Richard Nyahay	

(Laurie Scheuing is a managing scientist with Quantitative Environmental Analysis, LLC.)

HMPGA Corporate Members

Company	Contact	Phone
Adirondack Environmental Services	Steve Valle	(518) 434-4546
Aquifer Drilling & Testing, Inc.	Joe Miranda	(518) 274-3949
Earth Tech, Inc.	Frank Williams	(518) 951-2236
ERM Northeast	Edward Hinchey	(315) 445-2554
Griggs & Lang Consulting Geologists	Jeff Lang	(518) 373-7078
Hydrogeologic, Inc.	Eric Evans	(518) 782-3435
Parratt Wolff, Inc.	Bill Morrow	(800) 782-7260
Precision Industrial Maintenance, Inc.	Mark DeAngelo	(518) 346-5800
SJB Services, Inc.	Bill Bosworth	(518) 899-7491
Spectra Environmental Group, Inc.	Robert LaFleur	(518) 782-0882
URS Corporation	Stephen LeFevre	(518) 688-0015

Attention HMPGA Members:

The Joseph Henry Science Fair

The Joseph Henry Science Fair celebrates its seventeenth year. This annual science fair is open to all 4th through 8th grade students attending public or private school in the City of Albany.

Born in Albany, New York in 1797, Joseph Henry is widely recognized as a pioneering scientist. He served on the faculty at the Albany Academy in the 1820's and 1830's, where he studied a vast array of natural sciences. While considered a pioneer in the study of New York geology, he became most famous for working on various aspects of electromagnetic induction. In 1831, while at the Albany Academy, he exhibited signals transmitted through more than a mile of wire by his electromagnet. This was the first example of the electromagnetic telegraph. In 1846, Henry went on to be the First Secretary and Director of the Smithsonian Institution in Washington, D.C. until his death in 1878. He has been called "the father of American science", and the unit of electromagnetic induction, the "henry", was named in his honor.

Because of Joseph Henry's involvement in the geological sciences and the Fair's promotion of sciences for young people, there is a motion before the HMPGA Board of Directors to again donate \$250 to this year's Science Fair. Last year, ours was the largest donation to this event. The Fair Committee has informed us that they will be awarding a prize for a geology project at the Fair. This year's Fair will be held on April 11, 2003 at the University Heights Gymnasium of the Albany School of Pharmacy. If there are any members who would like to volunteer to judge the student's projects, please contact George Pafumi at (518) 357-0908 or at gfume@aol.com. It is an enjoyable and enlightening day!

(Submitted by George Pafumi, Past President of HMPGA.)

NYSDEC Draft DER-10 Technical Guidance

The DEC has issued Draft DER-10 Technical Guidance for Subsurface Investigation and Remediation, dated December 25, 2002. **The public comment period for the document ends on February 24, 2003.** Information regarding the availability of the document and the public comment period can be found in the Environmental Notice Bulletin for December 25, 2002, located at the following link:

<http://www.dec.state.ny.us/website/enb/20021225/not0.html>

The guidance document specifies, in detail, the requirements and procedures to be followed when performing site investigations and remediation under the purview of the Department of Environmental Remediation. There are provisions in the document that require a Professional Engineer to stamp documents which have not required such certification in the past. Geologists may wish to consider and comment on the extent to which this document will restrict their abilities to perform site investigations and remedial activities. Another potential impact the guidance may have is an increase in the costs to conduct site investigations and remediation that will be borne by the regulated community.

(Submitted by Laurie Scheuing, managing scientist with QEA, LLC.)

HMPGA's Web Page is back on-line!

It is with great pleasure that the Officers and Board of Directors of HMPGA announce that the Association's web page is now up and functional! John Nadeau, a geologist with Alpha Geoscience, has graciously donated his knowledge, time, and enthusiasm to re-establishing the web page. John has asked that the membership take a look and to feel free to send him any comments. He can be reached at the following e-mail address:

jnadeau@alphageoscience.com or by telephone at (518) 348-6995. John has also suggested that we consider sending in photographs of interest that can

posted on the web page. The new web address for the page is www.hmpga.org.

The Officers and Board of Directors of HMPGA would like to extend their sincerest thanks to John for all his efforts in re-establishing the Association's web page and to also thank HMPGA members Kathy Sanford and Curt Cappellano for all their time and efforts in maintaining the former web page.

Northeastern Science Foundation Call for Papers:

Silver Jubilee Anniversary meeting of the Northeastern Science Foundation, Troy, New York (affiliated with Brooklyn College and the Graduate Center of New York), August 10-12, 2003.

Innovative Studies and Discoveries

Topics include:

- *Oil and Gas Exploration in Northeastern North America*
- *Dolostone as an Exploration Target*
- *History of Geology*
- *From Hall to Plate Tectonics*
- *Karst and Caves*
- *Modern Concepts of the Taconics and Appalachians*
- *Cleaning the Environment or Water-borne Toxic Waste*
- *Education in Geology; Where Are We Heading?*
- *Assorted Topics*

Registration is \$10 until August 1, 2003 and \$20 thereafter.

For more information, contact: Dr. Gerald M. Friedman, Distinguished Professor of Geology, Northeastern Science Foundation, 15 Third Street, P.O. Box 746, Troy, NY 12181-0746 USA
Phone: (518) 273-3247
E-mail: gmfriedman@juno.com.

(Editor's note: My apologies to Dr. Friedman for incorrectly listing his e-mail address in last month's Newsletter.)

**April 16th, 2003: HMPGA & the Midwest Geosciences Group Announce a Day-long Short Course:
“Hydrogeologic Characterization of Fractured Bedrock Systems”**


HMPGA and the Midwest GeoSciences Group are sponsoring an exciting short course on the hydrogeologic characterization of fractured bedrock systems. This intensive day-long course will provide attendees with practical knowledge to significantly improve hydrogeologic analysis of fractured bedrock, including carbonate, crystalline, and metamorphic rocks at selected locations across the NE United States. The course consists of real-world applications for evaluating the role of bedrock fractures in groundwater movement and contaminant transport. Special attention will be given to different hydrogeologic field tests and analytical methods for characterizing fractured aquifer properties. In addition, the latest techniques for designing groundwater monitoring systems and remediation systems in fractured rock will be presented. Please see the enclosed insert for more course information and the registration form.

(Michael Palleschi, Senior Hydrologist, Alpha Geoscience)

Information of Interest


CNYAPG Spring Symposium April 2, 2003

The symposium will include a short course on conducting dye trace studies in unconsolidated media, a day-long poster session on recent presentations on New York geology at NGWA, GSA, AGU, and AAPG, the Birdsall Lecturer Dr. Jean Bahr, the NYSCPG lobbyist John Privitera, an afternoon seminar on the new gas play in the Trenton/Black River and a Keynote address by Dr. Don Siegel on the results of his isotope studies in the Saratoga Springs area. For more information please contact Ed Hinchey of ERM-Northeast at Ed.Hinchey@erm.com or at (315) 445-2554.



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AAPG Announces: Education Program Echo Sounder

Make your voice heard. Take this anonymous, five-minute survey focusing on AAPG's Continuing Education program by logging on to AAPG's web site at www.aapg.org/indexaapg.html and navigating to the Education page.

From December 5, 2002 through February 4, 2003 you may log in and give your assessment of the courses provided by AAPG to its membership. Results of the survey will guide the direction of the education programs and will be available online when completed.

For more information, contact Ron Denton at AAPG (rdenton@aaapg.org or 918-560-9424).

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Events Calendar

HMPGA

<http://www.hmpga.org>

March 19, 2003

To Be Announced

April 16, 2003

HMPGA & Midwest GeoSciences Group presents a one-day short course:

“Advances in Hydrogeologic Characterization of Fractured Bedrock”

May 14, 2003, joint meeting with the NE section of AIPG

“History and Geology of the Barton Garnet Mine”
Dr. William Kelly

New York State Museum

<http://www.nysm.nysed.gov>

Current Exhibitions:

December 18, 2002 - March 12, 2003

Burgess Shale: Evolution's Big Bang

February 22 & 23, 2003

10th Annual James Campbell Memorial Gem, Mineral & Fossil Show & Sale

Long Island Geologists

<http://pbisotopes.ess.sunysb.edu/lig>

April 12, 2003

Tenth Conference on “Geology of Long Island and Metropolitan New York”, Call for Papers

Deadline for submission of titles: February 1, 2003

Deadline for submission of abstracts: March 1, 2003

RPI & SUNY Albany: Earth Sciences Joint Colloquia Series

<http://ees2.geo.rpi.edu/colloq.html>

<http://www.albany.edu/geosciences/semrcurr.html>

February 19, 2003, Rensselaer

TBA

Larry Brown, Dept. of Earth & Atmospheric Sciences, Cornell University

February 26, 2003, Rensselaer

TBA

Goran Ekstrom, Dept. of Earth and Planetary Sciences, Harvard University

March 5-12, 2003, No Session - Spring Break

Buffalo Association of Professional Geologists

<http://www.bapg.org>

February 19, 2003

BAPG Monthly Dinner Meeting

“DNAPL Remediation at Three Fractured Rock Sites in Niagara Falls, NY”

Martin Derby, PG, CPG, TAMS-Earth Tech

March 5, 2003

BAPG/NYSCPG Symposium

Groundwater and Surface Water Supply: Investigation, Production, and Protection

Association of Engineering Geologists - AEG: Meeting Announcement

March 6, 2003

“Application of Digital Imaging Technology to Subsurface Investigation”

Kumsoo Kim, Nu-Terra, Inc.

(contact Thomas Waldron at

twaldron@dewberry.com for current news & information)

10th ANNUAL
JAMES CAMPBELL MEMORIAL
**GEM,
MINERAL
& FOSSIL**
SHOW & SALE

At the New York State Museum
February 22 & 23, 2003
10:00A.M. – 5:00P.M.

- Guided Museum Tours
- Publications • Lectures • Jewelry
- Mineral & Fossil Identification

Free parking! Admission: \$3.00
Children under 12 FREE

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Upcoming Deadlines

February meeting reservations:	2/7/03
March newsletter:	2/28/03

HMPGA

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