



HUDSON-MOHAWK PROFESSIONAL GEOLOGISTS' ASSOCIATION

Please Post

<http://www.hmpga.org>

Mark Davin, Editor
Vol. 11, No. 2
October 2004

HMPGA's 10th Anniversary Celebration Wednesday, October 20th, 2004 New York State Museum

Schedule of Events:

Cocktails/Food on Terrace Level (with carousel rides available)* 5:30 pm – 7:00 pm

CAVES, CAVERNS, and the CAVE HOUSE
in the theater on Main Floor

7:00 pm – 9:00 pm

HMPGA will be handing out “gifts” to all who served as a Board Member during the past ten years and have handouts and presentations related to all of our previous Presenters and a breakdown of who we are (professional vs. students - employers, etc.) ...

Caves, Caverns, and the Cave House

For more than 150 years, the mystery and beauty of New York's caves have fascinated citizens and scientists. The region of Cobleskill has been the focus of much of this interest. It was here that Lester Howe established his hotel and day-long underground tours. More than a century later, Howe Caverns continues the tradition.

Currently the Cave

House Museum of Mining and Geology is restoring the 1860's era structures.

On the evening of October 20, three lectures will be presented dealing with the science of caves in New York and the history and future of Howe's Cave. Presentations by:

Dr. Arthur Palmer, Department of Geology, SUNY Oneonta

A noted cave expert and active cave explorer, Dr. Palmer will speak on the origin of caves, citing New York examples.

Mr. Dana Cudmore, author of The Remarkable Howe Caverns Story

Mr. Cudmore, who was a tour guide in Howe Caverns in his youth, will discuss the history of the commercial caverns from Howe's Cave to Howe Caverns based upon research for his recent book.

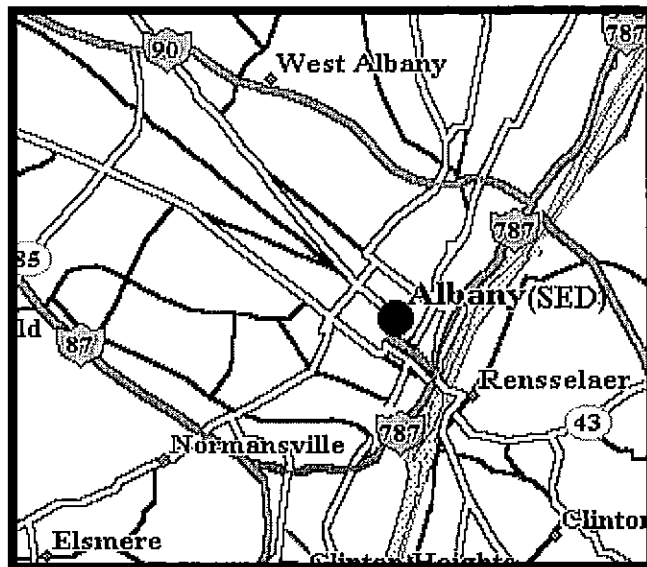
Mr. Michael Galasso, President of the Board of Directors, Cave House Museum

Mr. Clemens McGiver, Director and Chief Architect, Cave House Museum

Mr. Galasso and Mr. McGiver will talk about the restoration of the 1865 hotel built by Lester Howe and the establishment of a museum and outdoor earth science education center at Howe's original site.

HMPGA 10th Anniversary Celebration (Continued)

Location: The New York State Museum is housed in the Cultural Education Center in Albany, New York. The Cultural Education Center (CEC) is at the south end of the Empire State Plaza, across Madison Avenue (Route 20) from the Plaza (at the opposite end from the Capitol).



Directions: The New York State Museum is located in downtown Albany, New York, in the Empire State Plaza across from the State Capitol. From Thruway Exit 24, take I-90 toward Albany and exit onto I-787 South. Take I-787 to the Madison Avenue exit.

From the East: Take I-90 West to I-787 South to exit 3B to US 20 West. Continue on US 20 West (Madison Avenue) to the CEC.

From the South: Take Thruway Exit 23 to I-787 North to Exit 4 to US 20 West. Continue on US 20 West (Madison Avenue) to the CEC.

From the West: Take Thruway Exit 24 to I-90 East to I-787 South to exit 3B to US 20 West. Continue on US 20 West (Madison Avenue) to the CEC.

From the North: Take the Northway (I-87) or Route 9 to I-90 East to I-787 South to exit 3B to US 20 West. Continue on US 20 West (Madison Avenue) to the CEC.

Parking: Outdoor parking is available in the Cathedral parking lot immediately east of the Cultural Education Center, and in the parking lot just west of the building. Parking in the Cathedral lot is **free after 3 p.m.** For more information on parking and fees, plus current announcements, visit the Office of General Services (OGS) [Parking Services page](#), which includes a [visitor parking lot map](#), information about new security procedures in effect and other details.

About Our Bash

Where: New York State Museum
Madison Avenue, Albany, New York

When: October 20th, 2004

Social Hour 5:30 to 7:00 pm
Program 7:00 to 9:00 pm

Reservations: Call or e-mail Diane Welch at (518) 348-6995 or dwelch@alphageoscience.com so we can get an overall head count. Please register even if you only intend on attending the talk. Thank you for your cooperation.

PRESIDENT'S MESSAGE

Greetings

Our September meeting was fabulous as Dr. Bill Wertz (NYSDEC) and Gerry MacDonald (NYSDOH) provided an exciting start to the 2004 – 2005 year. Please note that we have posted their presentation, in pdf format, on our web site (<http://www.hmpga.org/Events>) so you can peruse at your leisure.

Thanks to all HMPGA members who have helped volunteer at the AIPG National meeting. Additional thank you's to Michael Palleschi (Alpha Geoscience), Kirby VanVleet & Eric Hanson (Hanson VanVleet, LLC), Steve Crook (Layne Christensen Company), and William J. Dickerson for submitting a letter, on behalf of HMPGA, regarding technical comments to NYSDOH's Proposed Standards for Water Wells. We are fortunate to have these experts amongst us. A copy of the letter is provided on Page 5 through 9.

Our next event on tap is the 10-year HMPGA Anniversary Celebration (see pages 1 and 2), which is to be held at the New York State Museum on October 20, 2004 between 5:30 and 9:00 P.M. This event is packed with fun and did we mention it is FREE? So come grab some free food, visit some friends, and enjoy a great talk courtesy of HMPGA and the New York State Geological Survey.

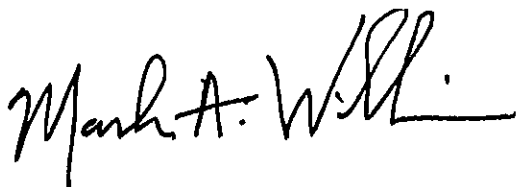
Our slate of top notch speakers for this upcoming term continues as we have locked-in a good friend of Capital District geology – Robert Dineen. Bob will serve as our November speaker and will present a talk entitled: "New Interpretations of the Regional Glacial Stratigraphy of Eastern New York State".

Believe It or Not... it is TIME to RENEW your membership again. HMPGA membership is a very important part of staying connected to colleagues and trends or issues confronting your profession. We NEED your financial support...It really is that simple. Please look for and complete a 2004 – 2005 HMPGA Membership Renewal / Membership Application Form (Pages 5 and 6).

Our 2004 – 2005 Corporate Sponsors are listed on the next page (Page 4). We should show our appreciation to these sponsors by using their services. Please contact these firms if you need help and let them know that you appreciate their support of HMPGA. Thanks to all of them and to YOU for continuing to support HMPGA activities.

That is it for now!

Finest Regards,



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Is it TIME to JOIN OR RENEW YOUR HMPGA MEMBERSHIP?

It is time to ensure that you will start or continue to receive the HMPGA Newsletter during our 2004-2005 season. Please register or renew your membership to HMPGA by filling out the enclosed membership application/renewal form or do it from our website (<http://www.hmpga.org/2004-2005%20membership%20form.pdf>). Please send the completed form along with your check back to us or just bring it to the September meeting. Questions should be directed to Laurie Scheuing (Membership Chairperson) at (518) 792-3709.

BUT BEFORE YOU DO...

- o Make a copy for a friend, colleague, earth science teacher, professor, or local geologist that is not a member

HMPGA Corporate Members

<i>Company</i>	<i>Contact</i>	<i>Phone</i>
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NGWA Short Course Information:

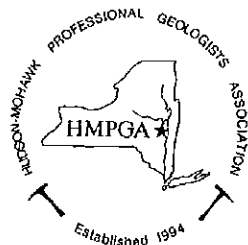
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HUDSON-MOHAWK PROFESSIONAL GEOLOGISTS' ASSOCIATION

2004 – 2005 MEMBERSHIP APPLICATION & RENEWAL FORM

<i>Please check one</i>	
<input type="checkbox"/> Original Application <i>(Please complete entire form)</i>	<input type="checkbox"/> Renewal <i>(Fill in name, changes to personal information, newsletter format, indicate how you'd like to help, and sign and date)</i>

Personal Information			
Name:		Preferred mailing address:	
Affiliation:			
Position:			
Business phone:			
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Degree/Major:	School:	Graduation Date:	
Newsletter Form:	Electronic (via email) <input type="checkbox"/>	Hard copy (US Mail) <input type="checkbox"/>	
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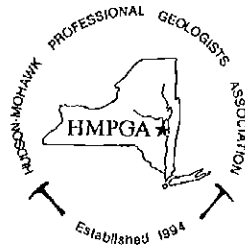
2004 – 2005 ANNUAL DUES	
Membership Class	Dues
Member	\$ 25.00
Associate Member	\$ 25.00
Student	\$ 5.00
Corporate	\$ 100.00

*Please return the completed Membership Application with a check made payable to **Hudson-Mohawk Professional Geologists' Association**.*

(Application fee will be returned if applicant does not meet membership requirements.)

Return to:
Membership
Hudson-Mohawk Professional Geologists' Association
PO Box 5506
Albany, NY 12205-0506

(HMPGA use only)			
Membership Approved <input type="checkbox"/>		Membership Denied <input type="checkbox"/>	
Routing:	Treasurer <input type="checkbox"/>	Membership Committee <input type="checkbox"/>	Secretary <input type="checkbox"/>
Date:		Check No.	



HUDSON-MOHAWK PROFESSIONAL GEOLOGISTS' ASSOCIATION

2004 – 2005 MEMBERSHIP APPLICATION & RENEWAL FORM

PURPOSE AND OBJECTIVES

HMPGA is incorporated as a non-profit organization. Money raised through membership dues and other fund-raising will be used to pay for mailings, meeting expenses, speaker expenses, and other needs as the Association develops into the future. The purpose of this corporation is to reach out to area geologists, hold regularly scheduled meetings, disseminate geologic knowledge and exchange information concerning the professional practice of geology. HMPGA is affiliated with the American Institute of Professional Geologists (AIPG). This affiliation with AIPG will facilitate the exchange of information regarding professional activities on state, regional and national levels; and will promote the professional development of the members of HMPGA.

MEMBERSHIP CATEGORIES

Only Members shall be eligible to vote. Associate Members and Student Members shall enjoy all privileges of the Corporation, except that they shall not hold office, endorse applications for membership, or vote. The Corporation shall consist of the following classes of membership:

- (a) **MEMBER** - Any person who by education and/or experience is qualified to advance the objectives of the Corporation shall be eligible for full membership. Such a person must be a graduate of an institution of collegiate standing, in which institution the major work has been done in geology or in geological sciences. In the case of a person who has not had this training but whose standing in the profession is well recognized, admission to full membership may be granted by unanimous approval of the Board of Directors.
- (b) **ASSOCIATE MEMBER** - Any other person who is interested in the science of geology, and in the advancement of the objectives of the Corporation, and who is not eligible to be a Member, as above defined, shall be eligible to be an Associate Member. After two years' participation in the affairs of the Corporation an Associate Member may, upon application and approval of the Board of Directors or by direct action of the Board of Directors, be elevated to a Member.
- (c) **STUDENT MEMBER** - Any full-time graduate or under-graduate college student who is studying geology shall be eligible to be a Student Member. Upon termination of full-time college work, such student membership shall cease, and application for membership as set forth herein may be made.
- (d) **CORPORATE MEMBER** - Any corporation or organization whose activities and/or interests concern the science of geology and the advancement of the objectives of the Corporation. Corporate Membership - Admission to and continuation of membership shall be contingent upon (1) a professional interest in the science of geology, and (2) payment of dues. Rights and Privileges of Corporate Members (1) One (1) designated representative of a corporate member (not already holding an Individual Membership) shall be entitled to one vote on each matter submitted to membership vote. (2) Election to office shall be the privilege of the person designated as Corporate Representative. (3) Each Corporate Member shall have the option of designating a portion of their membership dues to help defray the expenses associated with the monthly meeting. (4) Annual dues for a Corporate Member shall be one-hundred dollars (\$100) per year.

COMMITTEES

Program Committee - The duties of this committee will be to plan, organize, and carry out, with approval of the Board of Directors, all meetings of the corporation, including field trips. The program committee shall also submit to the corporation, no later than September 1 of each year, a tentative program for the ensuing year.

Membership Committee - The duties of this committee shall be to promote membership in the corporation, to assist the treasurer in contacting members who are in arrears in their dues, and to promote fellowship by notifying new members of their acceptance in the Association and inviting them to meetings.

Communications Committee - The duties of this committee shall be to disseminate understandable and accurate information about geology to high school or grade school students, to develop a better understanding and appreciation of the role of geology in the everyday life of the Hudson/Mohawk area, and to increase public understanding and appreciation of geologists as trained professionals comparable to members of the other professions. This committee shall also arrange for all publications authorized by the Board of Directors.

HMPGA notes the passing of two of our own

William Winegard and Ted Shuster

Posted in the Daily Star
09/20/04

William Winegard

RICHMONDVILLE - William J. Winegard, 54, passed away unexpectedly at his home on Thursday, Sept. 16, 2004. He was born Sept. 15, 1950, in Cobieskill, the son of William J. and Mary T.E. (Rooney) Winegard. He was predeceased by his father in 1969 and his mother in 2000.

Bill was a graduate of Richmondville Central School, Class of 1968, as valedictorian. He received his bachelors of science from SUNY Oneonta, where he was exempt from his final exams, and graduated with a 4.0 GPA. He also took graduate courses at SUNY Albany in geology. Bill worked closely with his father on the family-owned saw mill and lumber businesses, which were handed down from father to son for at least three generations. Most recently Bill was employed by General Electric in Schenectady, where he was a member of the Quarter Century Club and also was employed by the New York State Department of Transportation in Albany in the Geology and Technical Services Departments.

Bill became an Eagle Scout in Troop 15 Richmondville, Otschodela Council, Boy Scouts of America, and was an annual fund-drive canvasser each year. He was the secretary of the Town of Richmondville Planning Board ; a member of the Comprehensive Committee; a charter member and trustee of the Richmondville Historical Society; and a generous supporter of the restoration fund for the Bunn-Tillapaugh Mill.

On Sept. 11, he was the guest speaker at the Historical Society meeting, presenting a program on "Local Geology". Bill was instrumental in getting the Cave House Museum of Mining and Geology in Howes Cave project started. He explored the quarry and the mines and led tours in the early days. He was described as a very patient geologist.

He was also a member of the Hudson-Mohawk Chapter of Steam Powered Engines. Each year at the Gallupville Gas-Up, he got the steam up to blow the whistle on steam-powered engines. Bill was a quiet and loyal friend to many people and he will be sorely missed. He is survived by three uncles, George and his wife, Cathy, Rooney of Worcester, Raymond Rooney

of East Worcester, and Leo and his wife, Murlie, Rooney of Perris, Calif.; as well as many cousins.

Contributions may be made to the Richmondville Historical Society, care of Susan Rightmyer, PO Box 316 Richmondville, NY 12149.

Posted by the RPI E&ES Department

Ted Shuster: We mourn the loss of one of RPI's best, Ted Shuster. Ted was an alumnus of the institute twice over (B.S., 1981; Ph.D. 1994) and a Research Assistant Professor in the fields of environmental geology and hydrogeology. He was an exceptional scientist, breaking new ground in the understanding of our environment.

Most recently, he was in the process of implementing an innovative study of the water quality of the Hudson River. Ted was also an extraordinary teacher. He was a favorite among our students and known for his authoritative knowledge and his enthusiastic style. Lately, Ted taught Environmental Geology and Groundwater Hydrology classes. He team taught One Mile of the Hudson with his friend and colleague Richard Bopp.

And most of all, Ted was a fabulous person. He always lent a hand, always passed along a smile or a joke, always uplifted those around him. Sadly, on September 16, 2004, Ted was struck and killed by an alleged drunken driver while walking home from a friend's house in Greenwich, NY. He is survived by his mother, his sister, four brothers, and several nieces and nephews.

Ted was an important part of RPI's E&ES family and loved by all. We miss him greatly.

Ted also volunteered much of his time to the Silver Bay Association, a YMCA conference and training center in the Adirondacks - his family is asking all that any memorials be given to the Silver Bay Emp Alumni Fellowship Scholarship Fund.

The RPI - Earth & Environmental Sciences Department honored Ted's life in a special service on September 23, at 10:00 AM

PRECISION

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Next Newsletter deadline:

November 1, 2004

Send MS Word, Word Perfect documents, via e-mail, to Mark Williams at
mwilliams@lansinghisert.com

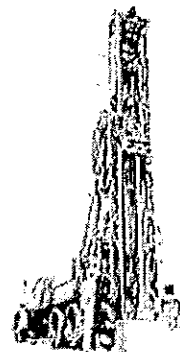
Any content that appears to express an opinion on behalf of HMPGA will be reviewed by the President prior to publication.

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HUDSON-MOHAWK PROFESSIONAL GEOLOGISTS' ASSOCIATION

P.O. Box 5506
Albany, New York 12205-0506

September 29, 2004

**2004 - 2005
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Mr. William Johnson
New York State Department of Health
Division of Legal Affairs
Office of Regulatory Reform
Corning Tower, Room 2415
Empire State Plaza
Albany, New York 12237

**RE: Proposed 10 NYCRR Appendix 5-B
Standards for Water Wells**

Dear Mr. Johnson:

The Hudson-Mohawk Professional Geologists' Association (HMPGA) has reviewed the proposed Standards for Water Wells per the request of the New York State Department of Health (NYSDOH). HMPGA formed a committee specifically to review and comment on the referenced standards. The Committee consisted of geologists and hydrogeologists that live and work in New York State. Each Committee member has extensive experience in one or more of the areas that are pertinent to the proposed regulations including, but not limited to, well construction, well testing, and aquifer analysis. The goal of our Committee was to review the proposed regulations to determine if they are consistent with the current theory and practice of well construction, well testing, and aquifer analysis. The Committee's comments are presented herein for your consideration.

General Comment: Need to Separate Regulations and Guidance

We recommend that all sections of the proposed regulations relating to public water supply wells including, but not limited to, Section 5-B.4 Well Yield and Water Flow, be removed. Regulations regarding public water supplies are already provided in "Recommended Standards for Water Wells". Having public water supply regulations in two distinct documents will be confusing to all parties involved. We applaud your effort to address the current inadequacy of the regulatory guidance pertaining to public water supply well testing. However, we believe that the best way to address this inadequacy is to have separate regulations for both individual (residential) and public water supplies. The proposed regulations, with modifications presented herein, should be used for individual (residential) supplies and the "Recommended Standards for Water Works" should be used to regulate public water supplies. A new, comprehensive guidance document on well testing and hydrogeologic reports is recommended to supplement the "Recommended Standards for Water Works."

The use of more comprehensive guidance on public water supply well testing and the preparation of hydrogeologic reports are already required in New York by the Susquehanna River Basin Commission (SRBC) and in the State of New Jersey. Pumping test guidance by the SRBC and guidelines for preparing hydrogeologic reports by the New Jersey Geologic Survey are attached as examples (Attachment A). We are not necessarily recommending that these documents be adopted by the NYSDOH at this time; however, we support the use of hydrogeologists to evaluate public water supplies, as required by these documents.

It is important to recognize that the SRBC guidance, the State of New Jersey guidance, and the New York State Department of Environmental Conservation's "Recommended Pump Test Procedures for Water Supply Applications" advocate the use of hydrogeologists, or other appropriately trained staff with knowledge of hydrogeology, for the evaluation of public water supplies. We request that any New York State regulation that addresses the evaluation of public water supplies require a hydrogeologist or persons with demonstrated equivalent education and experience to perform these assessments.

Comments to Specific Sections of the Standards for Water Wells

Section 5-B.1 Applications and Definitions

(b, 2) Accurate drawdown data cannot be obtained from the drill pipe/borehole method described. However, if the yield can be confirmed determination of drawdown may not be relevant.

Section B-B.3 Water Well Construction

Please add the requirement for well installation by a New York State licensed well driller. In addition, all double cased wells (i.e., Gravel packed wells with a permanent outer casing left in place) should require a seal (mechanical or grout) between the inner production casing and the outer casing.

(16) It is unrealistic to require wells to produce totally sand-free water. There are industry standards that define how much sand is allowable and we suggest referring to the recommended limits established by the U.S. Environmental Protection Agency (EPA) and the National Ground Water Association (NGWA).

(26) Clarification is needed regarding food grade quality for drilling fluids. It is common practice to use on-site water supplies that are not treated for drilling activities. It is assumed that the water quality of all wells will be tested before they are used as a potable supply.

Section 5-B.4 Well Yield and Water Flow

(a) The best way to evaluate the effectiveness of well rehabilitation or redevelopment is by performing and evaluating a step test. Typically, a step test performed prior to and after redevelopment is much more effective in evaluating the redevelopment than by a constant rate test.

There is a great deal of confusion regarding the definition of stabilization and its validity as a test criterion. The more technically appropriate term is "steady state" where changes in drawdown are negligible or the hydraulic gradient has become constant (Kruseman and de Ridder, 1989). Steady state conditions take into account the dynamics of the hydrogeologic system during testing and need to be evaluated by a hydrogeologist. Stabilization (i.e., no change in the water level) is not always achievable or necessary for an acceptable pumping test.

(c) This entire section should be removed. A comprehensive guidance document should be prepared addressing the preparation of hydrogeologic reports and well testing for public water supplies. This guidance document and the "Recommended Standards for Water Works" should encompass the regulations for public water supplies.

Comments to Table 1

Separation distances, unless the formation is a confined aquifer, should be as follows:

Cleanup areas	200 feet
Seepage pit	200 feet
Absorption bed or field	200 feet
Septic system subsurface treatment systems	200 feet
Sanitary privy pit	200 feet
Cemeteries	200 feet

The regulations should also address whether replacement wells will be allowed when the defined separation distances can not be achieved.

Comments Regarding Water Quality

Water quality analyses should be required before a well is used as a potable water source. The water quality analysis will be used to demonstrate that the source, with treatment if necessary, is appropriate for potable usage. The parameter list would be defined by the County or regional Health Department office. We recommend that the following water quality parameters be included, but not necessarily limited to:

- Total Coliform (including E. Coli);
- Chloride;
- Total Hardness (as CaCO₃);
- Iron;
- Lead;
- Manganese;
- Nitrate;
- Sodium; and
- Sulfate

*Letter to Mr. William Johnson (NYSDOH, Division of Legal Affairs, Office of Regulatory Reform)
RE: HMPGA Comments to Proposed 10 NYCRR Appendix 5-B (Standards for Water Wells)
September 29, 2004*

HMPGA appreciates this opportunity to review and comment on the proposed standards for water wells. We are available to assist the NYSDOH in the effort to modify the proposed regulations and create new guidance. Please include HMPGA in any future regulatory advisory committee activities related to water wells or public water supply permitting.

Sincerely,

**Hudson-Mohawk Professional Geologists' Association
Water Well Regulations Review Committee**

Stephen R. Crook, P.G.
District Manager
Layne Christensen Company

William J. Dickerson
Consulting Geologist and
Environmental Analyst

Eric Hanson
Partner/Senior Hydrogeologist
Hanson Van Vleet, LLC

Michael D. Palleschi, CPG
Senior Hydrogeologist
Alpha Geoscience

Kirby Van Vleet
Partner/Senior Hydrogeologist
Hanson Van Vleet, LLC

Attachments

C: M. Burke, P.E. (NYSDOH, Director of Public Water Supply Protection)
M. Williams, P.G. (HMPGA)
S. Gowan, Ph.D. (NYSCPG)

SAVE THE DATE: Monday December 6, 2004 9 am to 4 pm (Holiday Inn Kingston, NY)

Rising Chloride Concentrations in Tributaries of the Hudson Estuary

Decades of studies in North America have shown elevated chloride concentrations in natural waters. Chloride can serve as an indicator of impaired water quality and is toxic at high levels to freshwater organisms. The main anthropogenic source of chloride to streams and rivers appears to be road salt, with additional contributions from water softener discharges, sewage and septic effluent, and industrial wastewater. Thus, chloride contamination of a stream is reflective of land use and human activity within its watershed. Concentrations that exceed the levels that cause chronic and acute toxicities for macroinvertebrates and fish were recently observed in streams in New Hampshire. (Heath, 2004) The Hudson River National Estuarine Research Reserve has documented increasing chloride concentrations in tributaries within the Reserve (link for HRES article). Similar observations have been made in other Hudson River tributaries and in other rivers of the Northeast. Should we be concerned about increasing chloride concentrations and potential chronic and acute toxicity? Is this a regional or local concern? Is there a need for further research?

This conference will explore long-term trends in Hudson River tributaries, ecosystem effects, fate and transport in ground and surface waters, and source determination in aquatic environments. The realities and challenges of NYSDOT's road salt and deicing practices will provide a management and safety perspective.

Who Should Attend: Representatives from watershed groups, environmental groups, soil and water conservation districts and state legislative committees; scientists and resource managers from municipal, state and federal agencies; and biologists, geologists, hydrologists, hydrogeologists, and environmental scientists.

Speakers Include:

Marlene Evans, Research Scientist at Environment Canada, *Road salt and its effects on aquatic ecosystems: a Canadian Environmental Protection Act Assessment*

Paul Hesig, Hydrologist, United States Geological Survey Water Resources Division: NY District, *Chloride concentrations in stream base flow and road-salt usage - Croton and Pepacton watersheds, New York*

Doug Heath, Hydrogeologist, EPA New England, *Road Salt Impacts to Lakes and Streams from Interstate 93 and Adjacent Roads in Southern New Hampshire*

Jeanne Hewitt, Section Head, NYS Department of Transportation Environmental Analysis Bureau, Hazardous Waste / Groundwater Section, *Preserving Safety with Salt: NYSDOT's Snow and Ice Control Operations*

Margaret Novak and Robert Bode, NYSDEC Division of Water, *30-year Trends in Water Quality of Hudson River Tributaries*

Serena Ciparis, Hudson River National Estuarine Research Reserve,

Sasha F. Hafner, Cornell University, *Long term trends in sodium and chloride in the Mohawk River, New York: the effect of fifty years of road-salt application*

For registration information contact Mr. Stephen Wilson, Hudson River Environmental Society @ (518) 861-8020 or revisit our website (hres@nycap.rr.com) to check for a downloadable registration form.

For conference content information contact Emilie Hauser, Hudson River National Estuarine Research Reserve @ (845) 758-7021 (eehauser@gw.dec.state.ny.us)

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- o *Hudson River Estuary Program*
- o *Hudson River National Estuarine Research Reserve: Estuary Training Program*
- o *Division of Water Bureau of Water Assessment and Management*

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Events Calendar

HMPGA

<http://www.hmpga.org>

October 20th, 2004
HMPGA 10th Anniversary Celebration
@ New York State Museum

November 17, 2004
Robert Dineen, PennDOT
 "New Interpretations of the Regional Glacial Stratigraphy of Eastern New York State"

RPI & SUNY Albany: Earth Sciences Joint Colloquia Series

<http://ees2.geo.rpi.edu/colloq.html>
<http://www.albany.edu/geosciences/semrcurr.html>

October 4 MONDAY	RPI CII 3051	Dr. Paul Spudis Johns Hopkins University	<i>The Moon and the New Presidential Space Vision</i> <u>Origins of Life seminar</u>
October 13	Albany	Dr. Emily Walsh Union College	TBA
October 20	RPI	Dr. Peter Koons University of Maine at Orono	TBA
October 27	RPI	Dr. Przemek Dera Carnegie Institution of Washington	TBA
November 3	RPI	Dr. Xiahong Feng Dartmouth University	TBA
November 17	Albany	Dr. David West Middlebury College	<i>Tectonics of the Norumbega Fault System in Maine</i>
December 1	RPI	Dr. Ed Vicenzi Smithsonian Institution	TBA

RPI: Johnsson-Rowland Science Center
 (third floor) SC 3W13

Albany: Earth Science Bldg. Room 232 –

AIPG

<http://www.aipg.org>

**Events Calendar
(Continued)**

Midwest Geosciences Group
<http://www.midwestgeo.com>

**Buffalo Association of
Professional Geologists**
<http://www.bapg.org>

October 20
Mr. Scott W. McCone CHMM
(URS Corporation)
"The Generation Of Carbon Monoxide
During Blasting Operations For Roadway
Construction In Urban Areas"



Professional Services for Water Systems

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**Central New York Association of
Professional Geologists**
<http://www.cnyapg.org>

October 14
Dr. Barbara Bekins (USGS)
"Influence of Hydrogeology on 25 Years
of Natural Attenuation at a Crude Oil Spill
Site"

Other Sites of Interest:

Long Island Geologists
<http://pbisotopes.ess.sunysb.edu/liq>

**New York State Geological
Association**
<http://www.nysgaonline.org>

**Association of Engineering
Geologists New York-Philadelphia
Section**
<http://www.aegweb.org>

New York State Museum
<http://www.nysm.nysed.gov>

National Groundwater Association
<http://www.ngwa.org>

**American Water Works
Association**
<http://www.awwa.org>

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Eastern NY Chapter News Network

October 19, 2004 Meeting Notice

TOPIC:	PERFORMANCE EVALUATION OF AIR CLEANING/PURIFICATION DEVICES FOR CONTROL OF VOCS IN INDOOR AIR
Speaker:	Lisa Clekner, Syracuse University
Date:	October 19, 2004 (Note: this meeting is on Tuesday instead of the usual Wednesday)
Time:	Noon
Location:	Holiday Inn Turf, Wolf Road, Albany
Cost:	\$20.00 Members (International and local) \$30.00 All others (Includes one time \$10 membership fee)
RSVP:	Respond by October 14, 2004 to: Janis E. Fallon, Acting Secretary Whiteman Osterman & Hanna LLP (518) 487-7648 jfallon@woh.com

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Northeastern Section, GSA

40th Annual Meeting

[Section Officers](#)
[More Section Info](#)

14-16 March 2005 • Prime Hotel and Conference Center • Saratoga Springs, New York

Submit an Abstract

Abstract deadline:
14 December 2004

CALL FOR PAPERS • SYMPOSIA • • THEME SESSIONS •	FIELD TRIPS	REGISTRATION	SPECIAL EVENTS	SPONSORSHIP
	SHORT COURSES	ACCOMMODATIONS	GUEST ACTIVITIES	ACCESSIBILITY
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The 2005 meeting of the Northeastern Section of the Geological Society of America will be hosted by the Geology Departments of Union College, Schenectady, New York, and Skidmore College, Saratoga Springs, New York. The meeting will be at the Prime Hotel and Conference Center, located on the edge of downtown Saratoga Springs in beautiful upstate New York. Downtown Saratoga Springs starts at the hotel door and has a wide array of restaurants, pubs, and shops within easy walking distance.

REGISTRATION

Preregistration deadline: February 7, 2005

Cancellation deadline: February 14, 2005

GSA Headquarters will handle registration, and details will be published in the December issue of *GSA Today*. Online advance registration will be available in December 2004. On-site registration will be available at the Prime Hotel and Conference Center during the meeting.

CALL FOR PAPERS

Abstract deadline: **December 14, 2004**

Submit an Abstract

Papers are invited for theme and general discipline sessions in both oral and poster format. Volunteered papers will be considered for any general discipline session as listed on the GSA Abstracts Form. Authors interested in submitting papers for symposia should contact the appropriate symposium conveners before submitting. An individual may be presenter for only one volunteered paper (excepting symposia papers), but may be co-author on any number of abstracts. Those invited for symposia may present additional papers. For further information, please contact Technical Program Chair John Garver. Abstracts of papers must be submitted using the electronic submissions form. If you have questions regarding abstract submission, please contact Nancy Carlson.

TECHNICAL PROGRAM

(GSA National Meeting – Continued)

The following symposia and theme sessions are planned for the Saratoga Springs 2005 meeting. Anyone interested in proposing additional symposia or theme sessions should contact Technical Program Chair **John I. Garver**, garverj@union.edu or **Kyle Nichols**, knichols@skidmore.edu. Presentations for Symposia are generally by invitation only, so if you are interested in participating, please contact session coordinators.

SYMPOSIA

1. **Stromatolites, Biomats, and their Influence on Sedimentation.**

Mark McMenamin, Mount Holyoke College, mmcmenam@Mtholyoke.edu, (413) 538-2280; Bosiljka Glumac, Smith College, bglumac@science.smith.edu, (413) 585-3680.

2. **Geological Contributions to the Understanding of Late Holocene Human Populations in the Northeast.**

Stephen Pollock, University of Maine, pollock@usm.maine.edu, (207) 780-5353.

3. **Geochemistry and Transport of Particles and Particle-Associated Contaminants in Rivers and Estuaries.**

T.A. Abrajano, Jr., Rensselaer Polytechnic Institute, abrajt@rpi.edu, (518) 276-6036; Richard Bopp, Rensselaer Polytechnic Institute, boppr@rpi.edu, (518) 276-3075; Damon Chaky, LDEO, Columbia University, chakyd@ldeo.columbia.edu, (845) 365-8657.

4. **History of Geology of Northeastern North America.**

Gerald M. Friedman, Northeastern Science Foundation/Rensselaer Center of Applied Geology, gmfriedman@juno.com, (518) 273-3247.

THEME SESSIONS

1. **Records of Past Monsoon Dynamics and Links Between High and Low Latitude Climatic Processes.**

Heather Stoll, Williams College, hstoll@williams.edu, (413) 597-4541.

2. **Ecology: Interdisciplinary Ecosystem Research.**

David A. Franzi, SUNY Plattsburgh, david.franzi@plattsburgh.edu, (518) 564-4033; Ken Adams, SUNY Plattsburgh, (518) 564-4033.

3. **Economic Minerals and Rocks of Northeastern North America.**

Robert J. Altamura, P.G. Geo-Environmental Consulting, State College, Pennsylvania, altamura@geosc.psu.edu, (814) 234-5011; William M. Kelly, New York State Museum, wkelly@mail.nysed.gov, (518) 474-5816.

4. **Thermal History and Metamorphism of the Adirondacks in the Context of the Broader Grenville Orogenic Cycle.**

Marion "Pat" Bickford, Syracuse University, mebickfo@syr.edu, (315) 443-9290; James McClelland, Skidmore College, jmclelland@citlink.net.

5. **Enhancing Professional Development for K-12 Teachers (Posters Only).**

Michael J. Passow, White Plains, New York, Middle School and Lamont-Doherty Earth Observatory of Columbia University, michael@earth2class.org, (201) 871-0846.

(GSA National Meeting – Continued)

- 6. K–12 Education: Data Collection and Analysis from the Field (Oral Only).**
Edward L. (Ted) Shuster, Rensselaer Polytechnic Institute, shuste@rpi.edu, (518) 276-6494; Renee Frachioni, Averill Park High School, Averill Park, New York, robidr@alum.rpi.edu, (518) 674-7000.
- 7. Teaching Sedimentology, Stratigraphy, and Paleontology: Using Local Geology and Modern Analogs.**
Bosiljka Glumac, Smith College, bglumac@science.smith.edu, (413) 585-3680.
- 8. Sequence Stratigraphic Approaches to Paleobiologic and Sedimentologic Investigations of Lower Paleozoic Strata of the Northern Appalachians.**
Alex Bartholomew, University of Cincinnati, alexbartholomew_geo@hotmail.com, (513) 556-3732; Sean Cornell, Juniata College, cornels@email.uc.edu, (513) 556-3732.
- 9. Thermochronologic Studies Aimed at Understanding Orogenic Cooling.**
Mary Roden-Tice, SUNY Plattsburgh, mary.rodentice@plattsburgh.edu, (518) 564-4032; John I. Garver, Union College, garverj@union.edu, (518) 388-6770; Robert P. Wintsch, University of Indiana, Bloomington, wintsch@indiana.edu, (812) 855-4018.
- 10. New Models of Appalachian Tectonics Inspired by Geochronology: 3rd Annual NETectonics Session.**
Paul Karabinos, Williams College, Paul.M.Karabinos@williams.edu, (413) 597-2079; David P. West Jr., Middlebury College, dwest@middlebury.edu, (802) 443-3476; Joe Pyle, Rensselaer Polytechnic Institute, pylej@rpi.edu, (518) 276-4899.
- 12. Late Ordovician Taconian Orogenesis Structural Evolution and Foreland Basin History.**
Gordon C. Baird, SUNY Fredonia, baird@fredonia.edu, (716) 673-3840; Jean Crespi, University of Connecticut, jean.crespi@uconn.edu, (860) 486-0601; Art Goldstein, Colgate University, agoldstein@mail.colgate.edu, (315) 228-7203; Charles E. Mitchell, SUNY Buffalo, cem@geology.buffalo.edu, (716) 645-6800, ext. 3991.
- 13. Ancient Fault- and Fracture-Related Hydrothermal Fluid Flow in Eastern North America: Processes and Products.**
Langhorne "Taury" Smith, New York State Museum, lsmith@mail.nysed.gov, (518) 473-6262.
- 14. Applications of Remote Sensing, GIS, and Geodesy.**
Joan M. Ramage, Lehigh University, ramage@lehigh.edu, (610) 758-3660; Joanna Reuter, University of Vermont, Joanna.Reuter@uvm.edu, (802) 656-4411.
- 15. New Developments in the Late Quaternary History of the Northeastern United States and Adjacent Canada.**
John A. Rayburn and Peter L.K. Knuepfer, Binghamton University, jrayburn@binghamton.edu, knuepfr@binghamton.edu, (607) 777-2264 or (607) 777-2389.
- 16. Isotope Geochemistry in Environmental and Paleoenvironmental Studies.**
Andrea Lini, University of Vermont, alini@zoo.uvm.edu, (802) 656-0245; Robert H. Michener, Boston University, michener@bio.bu.edu, (617) 353-6980.
- 17. Lakes and Environmental Change.**
John G. Arnason, University at Albany, arnason@atmos.albany.edu, (518) 442-4474; Donald T. Rodbell, Union College, rodbelld@union.edu, (518) 388-6034.

(GSA National Meeting – Continued)

18. **Rates and Dates of Geomorphic Processes in the Appalachians.**
Paul Bierman, University of Vermont, Paul.Bierman@uvm.edu, (802) 656-4411.
19. **Springs in the Water Cycle: Supply, Water-rock Interaction, and History.**
Don Siegel, Syracuse University, disiegel@syr.edu, (315) 443-3607.
20. **Careers in Professional Geology: Highlights for Students and Academics.**
Skip Delclos, Lansing Hisert Group, Albany, New York, sdelclos@lansinghisert.com, (518) 899-5243 ex. 101.
21. **Bentonites in the Geologic Record.**
George Shaw, Union College, shawg@union.edu, (518) 388-3770; Charles Ver Straeten, New York State Museum, CVERSTRA@mail.nysed.gov, (518) 486-2004.

FIELD TRIPS

Field trip details will be available in the December issue of GSA Today and at www.geosociety.org. Anyone interested in proposing additional field trips should contact Field Trip Coordinator Don T. Rodbell, rodbell@union.edu. For additional field trip information, contact Don Rodbell or the individual field trip leaders.

1. **Stratigraphy of the Middle and Upper Ordovician Black River and Trenton Groups in the Mohawk and Black River Valleys.**
Sean Cornell, Juniata College, cornels@email.uc.edu, (513) 556-3732.
2. **Devonian Stratigraphy of Eastern New York State.**
Alex Bartholomew, University of Cincinnati, alexbartholomew_geo@hotmail.com, (513) 556-3732; Charles A. Ver Straeten Center for Stratigraphy and Paleontology, New York State Museum, cverstra@mail.nysed.gov; James R. Ebert, SUNY College at Oneonta, Ebertjr@oneonta.edu, (607) 436-3065; George H. Shaw, Union College, shawg@union.edu, (518) 388-6770.
3. **Geology and History of Howe's Cavern (for Earth Science Teachers).**
George Shaw, Union College, shawg@union.edu, (518) 388-3770; Matt Montario, University at Albany, State University of New York, mjmontario@hotmail.com.
4. **Two Devonian Reefs: Sponges versus Corals.**
Robert Finks, Union College, finksr@union.edu, (518) 943-9746.
5. **Stratigraphy of Thatcher Park, New York.**
Edward Stander, SUNY Cobleskill, standeej@cobleskill.edu, (518) 478-9446.
6. **Saline Springs, Microbial Reefs, and Basalt Pillows: Three Natural Wonders of Saratoga (for K-12 teachers).**
Richard H. Lindemann and Kimberly A. Marsella, Skidmore College, kmarsell@skidmore.edu, (518) 580-5195.
7. **Stromatolites of the Petrified Gardens.**
Gerald M. Friedman, Northeastern Science Foundation/Rensselaer Center of Applied Geology, gmfriedman@juno.com, (518) 273-3247.

(GSA National Meeting – Continued)

SHORT COURSES

Short course details will be available in the December issue of GSA Today and at www.geosociety.org. Anyone interested in proposing additional short courses should contact Short Course Coordinator Kurt Hollocher, hollochk@union.edu.

1. U-Pb Geochronology: Methodology and Data Interpretation.

Brent V. Miller, Research Scientist, Radiogenic Isotope Geochemistry, Texas A&M University, bvmiller@geo.tamu.edu, (979) 458-3671; Scott Samson, Syracuse University, sdsamson@syr.edu, (315) 443-2672.

This short course will discuss aspects of U-Pb geochronology from sample selection to data acquisition and interpretation. This course is aimed at field geologists and other non-specialists who regularly use geochronology in their research, but who wish to understand better the details of methodologies and critical evaluation of geochronologic data.

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