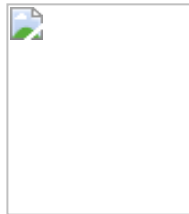


The Granite State Geologist



Newsletter of the New Hampshire Geological Society

Suite 133 * 26 South Main Street * Concord, NH 03301
 Number 6 * October 1993

Field Trip Report

Tim Allen

The Society's summer outing to the summit of Mount Washington, originally scheduled for August 7, took place on Saturday, September 18. Although the skies were overcast early in the morning, it did appear that the clouds might break up. The summit, however, remained in cloud all day--it even rained for a period. Wind-chill temperatures were in the 40's--much warmer than on August 7! Typical weather for Mount Washington.

One member (Mark Van Baalen) hiked up the mountain, while the rest of us either caravanned up the Auto Road or rode the Cog Railway. The Auto Road group arrived on the summit early, and toured the Mount Washington Observatory while waiting for Lunch to come up with the Cog Railway group. Gary Smith once again provided an abundance of good food, consumed with gusto by those assembled. After lunch, Brian Fowler had arranged for a slide show in the Tip Top House to be followed by tours of the summit buildings. Meanwhile, Dyk Eusden lead a small but hearty group on a hike in the rain to look at some outcrops of the Littleton and Rangeley Formations in the Clay Col. Unfortunately, the Cog Railway group, to avoid being trapped on the summit, had to leave early, taking what they were told was the last train down. Of course, as they went down, they passed yet another train on its way up! All in all, the event went quite well and was enjoyed by many despite the uncooperative weather.

The organizers wish to express their gratitude to the Mount Washington Observatory for much assistance.

NHGS Treasurer's Report

For the period June 18, 1993 - September 20, 1993

Starting Balance	
Opening Balance for Savings Acct.	860.02
Opening Balance for Checking Acct.	322.01
Total	1182.03
Income	
Dues	1690.00
Meeting Fees (Summer 93 outing)	710.00
Interest Income	7.08
Total	2407.08
Expenses	
Meeting Expense (Summer outing)*	768.22*
Postage	111.10
Insurance	227.00
Bank Fees	17.92

Total	1124.24
Ending Balance	2464.87
Bank Account Balances	
Savings Account, First NH Bank	397.77
Checking Account, First NH Bank	2067.10
Total Balance Forward	2464.87

* Meeting Expense for the Summer 93 outing to Mount Washington is a partial figure--includes food and Cog Railway expenses, bill for Auto Road expenses not yet received.

Respectfully submitted,
Dorothy Richter, Treasurer

Slate of Candidates Nominated for the 1993 Election of Officers

This slate of candidates has been prepared from the nominations received by the nominations committee: Darryn Mendham. Biographies were provided by the nominees.

Current Board of Directors

- President, Bob Luhrs
- Vice President, Gene Boudette
- Secretary, Joanne McLaughlin
- Treasurer, Dorothy Richter
- Member at Large, John Cotton (term expires 1993)
- Member at Large, Gary Smith (term expires 1994)

Slate of Candidates:

- For President:

Joanne McLaughlin

BA, Geology, 1990, University of New Hampshire. 1991-present, Geologist, GEI Consultants, Inc. 1991-1992, Member at Large, NHGS Board of Directors. 1992-1993, Secretary, NHGS Board of Directors.

- For Vice President:

Craig Durrett

I have 5 years experience in the environmental consulting business conducting hydrogeological and geophysical investigations and site assessments. I have extensive knowledge in soil and wetland sciences, gas chromatography, hydrogeology, geophysics, and underground storage tank management. I co-authored a paper in 1992 which I presented at the Focus Conference on Eastern Groundwater Issues, "An Innovative Field Method to Determine the Presence and Extent of Volatile Organic Compounds in Groundwater." 1987-1989, Surveyor & Soil/Wetland Scientist, Rieland Associates, Bedford, NH. 1989-1990, Field Geologist, Hager-Richter Geoscience, Inc, Salem, NH. 1990-present, Hydrogeologist, Wehran Engineering, Andover, MA. I am also involved in numerous other organizations including AEG, NHAWS, and AGWSE.

Greg Kirby

BS, Geology & Geophysics, 1986, University of New Orleans. 1986-1987: Graduate studies in Geology at the University of New Orleans. 1987-1991, Project Manager/Hydrogeologist at various consulting firms including Fussi & O'Neil, Inc., and IT Corp. 1991-present, Project

Manager/Hydrogeologist, State of New Hampshire Groundwater Protection Bureau. Vice Chairman, Merrimack Conservation Commission. Independent Field Work, Bedrock Mapping in NH. Member NHGS since spring 1991.

- For Secretary

No biographies were available.

- For Treasurer

Dorothy Richter

B.A., Geology, 1970, Bates College. M.S., Geology, 1973, Boston College. Graduate studies in geology, Harvard University. 1972-76, Staff Research Geologist and Consultant, M.I.T. 1976-84, Chief Geologist, Rock of Ages Corporation. 1984-present, Principal and Senior Geologist, Hager-Richter Geoscience, Inc. 1992-93, Treasurer, NHGS Board of Directors.

- For Member at Large (position to expire in 1995)

Tim Allen

BA, Geology, 1984, Harvard University. MS, Geology, 1990, Dartmouth College. PhD, Geology, 1992. 1992-present, Assistant Professor of Geology, Keene State College. 1991-present, Editor of Granite State Geologist, the NHGS Newsletter.

Eugene Boudette

B.S., Geology and Chemistry, 1951, University of New Hampshire. M.A., Geology, 1959, Dartmouth College. Ph.D., Geology, 1976, Dartmouth College. 1951-53, Geologist, US Army Corps of Engineers. 1953-85, Geologist, US Geological Survey. 1986-present, New Hampshire State Geologist. 1992-93, Vice President, NHGS Board of Directors.

John Cotton

AB, Geology, 1956, Dartmouth College. MS, Geology, 1958, Yale University. 1961-present, Hydrogeologist, United States Geological Survey. 1990-present, Chief of Hydrologic Study Section, NH-VT District. 1991-93, Member at Large, NHGS Board of Directors.

John Lyons

BA, Geology, 1938, Harvard University. MA, Geology, 1939, Harvard University. PhD, Geology, 1942, Harvard University. 1946-1987, Professor of Geology, Dartmouth College. 1987-present, Professor Emeritus, Dartmouth College.

Michael J. Robinette

BA, Geology, 1970, University of New Hampshire. MS, Hydrogeology, 1974, University of Idaho. He is a Registered Professional Geologist (Idaho). Mr. Robinette is a supervisor with the Waste Management Division, NH-DES, where he manages the CERCLA site assessment program and several Superfund sites. Prior to that he paid his dues running a borehole geophysical truck for a university; measuring raindrop sizes for the USDA; private consulting developing water resources for farming, municipalities and mining; pounding rocks and planting armloads of geophones in mosquito infested swamps in New Hampshire and Massachusetts. He lives in Gilmanton with his wife Muriel and two children, with a third bundle of joy expected in October.

Membership Report

Tim Allen

At time of publication, the NHGS had 94 members, paid through August 1994, and two Honorary Fellows. This is a substantial drop from the previous membership count of more than 150 members. This is likely due to the failure of many former members to renew their membership. Of course, the many benefits of membership in the NHGS, such as the Granite State Geologist, reduced rates at meetings and field trips, a copy of and a listing in

the Membership Directory, are available only to those who are members in good standing. Past experience suggests that many members pay their renewal fee at the Annual meeting itself. This is important, as only members in good standing are eligible to participate in the election of officers. In addition to renewing your membership, please be sure to keep us updated regarding any changes in your address, so that you will continue to enjoy the benefits of membership.

The Society does continue to attract new members, and we have begun a campaign of including a membership application with the mailing of meeting announcements to non-members. We also mail the newsletter to all local college and university geology departments. As a volunteer, membership organization, the NHGS needs you, as current members, to help recruit additional new members.

Geology and the Environment

The Geological Society of America's Annual Meeting and Exposition will take place at the Hynes Convention Center, Boston, Massachusetts, from Sunday, October 24 through Thursday, October 28. The theme of this year's meeting is Geology and the Environment. Relevant Technical Sessions include:

- Keynote Symposium--Geology and Health
 - IEE Annual Environmental Forum: A Crisis in Waste Management, Economic Vitality, and a Coastal Marine Environment: Boston Harbor and Massachusetts Bay
 - Geological Insight and Groundwater Modeling
 - Fluids and Fluid Flow in the Crust
 - Sedimentological and Stratigraphic Framework of Groundwater Resources
 - Geochemical Aspects of Minerals in Physiological Fluids
 - Human Problems, Foraminiferal Solutions
 - Geochemistry of Large Rivers
 - Geologic Impacts of the Gulf War
 - Hydrogeochemistry Related to Health and Disease
 - The Urban Ocean Environment: Geological Perspectives
 - Environmental Geology: The Voice of Warning
 - Environmental Geology: The Voice of Reason
 - Mineral Resources in Developing Nations: Economic Impact and Environmental Concerns
 - Health Implications of Metals in Soils
 - The New England-Acadian Shoreline Revisited
 - Fate and Transport of Contaminants in Boston Harbor and Massachusetts Harbor
 - The Geology of Natural Gas Resources: Challenges and Opportunities
 - Environmental Issues in Urban Settings
 - Flow and Transport in Variable-density Groundwater
 - Geologic Disposal of Nuclear Waste and the Risks to Public Health and Safety
 - Advances in Dating Young Groundwater
 - Hydrogeology of Fractured Glacial Sediments and Fractured Crystalline Rock
-

Position Available

Earth Scientist (Engineering Technician IV, Position 21455) Salary Range: \$23,536.50 to \$27,768.00. A permanent, full time position with the NH Department of Transportation, geotechnical section. Work will be with subsurface explorations, and requires 7 years experience, or associate's degree plus 5 years experience, or bachelor's degree plus 3 years experience. Prefer applicants having a bachelor's degree in either soil science or geology. Contact Tom Cleary at (603) 271-3151 for more information or job application. Equal Opportunity Employer.

NHGS News and Events

The Annual Meeting of the New Hampshire Geological Society will be held Friday, October 15, 1993 (Cash Bar @ 6, Dinner @ 7), at the Cat and Fiddle Restaurant, 118 Manchester Street in Concord (US 3 south off I-93, Exit 13). We anticipate that the featured speaker will be Congressman Bill Zellif, who will talk about the reauthorization of SuperFund. The meeting will also feature the election of officers for the next year (a slate of candidates is included in this newsletter). We have departed from our normal Thursday evening schedule for this meeting in order to work around the Congress' voting schedule. Dinner is \$13 for members, and \$14 for non-members. For information, contact Joanne McLaughlin at (603) 224-7979.

Future meetings of the Society are tentatively scheduled for January 13, April 14, June 9 (?) and October 13, 1994. The 1994 summer picnic and field trip is scheduled for August 6. The Society is a volunteer, membership organization, so it's your involvement and contribution that make it go. Speakers are needed for future meetings, and leaders are needed for future field trips.

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