



Granite State Geologist

The Newsletter of the Geological Society of New Hampshire, formerly NH Geological Society
Winter 2002-2003

GSNH

Officers

President – Lee Wilder
Colby-Sawyer College
New London, New Hampshire

Vice President-GS – John Regan
NH Dept. Environmental Services
Concord, New Hampshire

Vice President –PG - TBD

Secretary – David M. Wyman
Buoy Technology, Inc.
Concord, New Hampshire

Treasurer - John Noble
Marin Environmental
Milford, New Hampshire

Directors

Richard Moore
US Geological Survey
Pembroke, New Hampshire

Mike Robinette
Gilmanton, New Hampshire

Membership

Steve Shope
Exeter Environmental Assoc.
Exeter, New Hampshire

Website

www.nhgs.org

Timothy T. Allen
Keene State College
Keene, New Hampshire

Newsletter

Tania Brice Coffin
Keene, New Hampshire
coffin@cheshire.net

President's Message

Lee Wilder, President - Geological Society of New Hampshire

Welcome to the Geological Society of New Hampshire (GSNH). Actually we are the same old group...still sharing our common interests in the Earth Sciences. Your Board of Directors wants to thank everyone for their vote of confidence in accepting the recent Constitution and Bylaw changes. (You may view these documents on-line at: <http://nhgs.org/GSNH/bylaws.html>) Now we have our own name - GSNH, and more clearly written Constitution and Bylaws documents. Your Board of Directors is working to set up the committees described in these documents and will appoint a second vice President, for the PG Branch. All these changes should make for a stronger and smoother running GSNH. It is hoped that interested members will consider offering to help on a committee, by indicating their choice, when they return the GSNH 2003 Membership Form enclosed in this newsletter.

By the Spring 2003 Dinner Meeting, we should be able to hand members a new 2003 GSNH Membership Directory. If you wish to be listed, it will be necessary to have your completed 2003 Membership Form returned promptly.

As we begin to plan for the 2003 Dinner Meetings, guest speakers and geology field trips, please feel free to offer any suggestions that you may have by contacting a GSNH Board Member.

You will notice a new addition to the newsletter - the GSNH Geoquiz. Check it out. Let us know what you think about such a feature.

Please plan to join in the festivities of the GSNH Winter Dinner Meeting to be held at the Cat n' Fiddle Restaurant on Manchester Street in Concord, on Thursday, January 9, 2003...see the reservation form in this newsletter. <http://nhgs.org/NHGS/NHGS.html>

GSNH Summer 2002 Family Event

Lee Wilder

A number of GSNH members and their families attended the 39th Annual Gem and Mineral Show at Sunapee State Park. This very popular exhibit has some of the world's finest minerals, fossils and related materials. GSNH members attending Saturday Oct. 5 th or Sunday Oct. 6 th, had their admission costs covered by the Society. We hope all had a good time and your BOD would be anxious to hear your reactions to such a Society event.

NHGS Annual Meeting and Dinner, October 2002

Tania Brice Coffin

The annual meeting of the NH Geological Society (NHGS) was held October 17, 2002 at the Cat-'n-Fiddle in Concord, NH. A brief business meeting started the evening, business discussed included an amendment to the constitution and bylaws, a name change to the Geological Society of New Hampshire (part of the amendment), and, a slate of officer candidates. Constitution and bylaws changes and officer candidates were voted upon by secret ballot. The results of the balloting are presented elsewhere in this newsletter. After, the business meeting, members enjoyed a meal and a stimulating talk by Dr. Nelson Eby of U-Mass, Lowell. The talk, titled "Volcanoes - silence isn't necessarily golden" was wonderful. Dr. Eby wittily described some of the past, present and future hazards associated with volcanoes and even passed around samples of the mantle. It was reassuring to learn that our professional skills in the form of geologic mapping remain invaluable when trying to avoid future volcanic hazards. Everyone greatly appreciated Dr. Eby's talk. At the close of the NHGS meeting, the NH Council of Professional Geologists (NHCPG) met for a brief annual meeting in which the members assembled voted to dissolve the NHCPG and reintegrate with the newly renamed Geological Society of NH (see Tim Stone's article).

GSNH GeoQuiz

Lee Wilder

This boulder (and others) was found by contractors preparing the new Irving Mainway Truck Stop site on NH 3A at the junction of I-89 and I-93 in Bow, NH. The sediments deposited in the background are lacustrine, from Glacial Lake Merrimack. What is the probable origin of this boulder? Bring your idea(s) to the GSNH Winter 2003 Dinner Meeting on January 9, 2003.



GSNH Mineral Box

Lee Wilder

So you have to give a "Geology talk"...Your Society may be able to help. Currently we are in possession of a Mineral Box. Its three trays contain:

Top tray

- + Mineral Box Inventory Sheet
- + Mineral Physical Properties Kit: Instructors notes
 - + Mineral Key Sheets
 - 5 I.D. sheets in protective covers. Duplicate more as needed.
 - + 7 Posters:
 - 1 Geoscience Careers
 - 1 Soils Sustain Life
 - 1 Evolution: Change Through Time
 - 1 Metals Empower Us
 - 1 Fabulous Fossils
- 1 Minerals: Foundation of Society
- 1 Water the Essential Resource
 - + Physical Property Tool Box
 - square of window glass
 - penny
 - cut nail
 - white streak plate
- + Mineral Physical Properties Kit
 - Containing 12 minerals (See Hardness description on Instructors Notes for mineral names.)
- + An igneous rock - Pegmatite
 - (A mixture of two or more minerals...)

Middle Tray

- + Mineral hand specimens # 1 - 8
 - (In individual clear plastic trays)
 - #1 Quartz, Rose; #2 Galena; #3 Garnet; #4 Feldspar, plagioclase; #5 Halite, Rock Salt; #6 Gypsum; #7 Pyrite (fools gold); #8 Quartz, Milky

Bottom Tray

- + Mineral hand specimens # 10 - 16
 - (In individual clear plastic trays)
 - #9 Mica, Biotite; #10 Tourmaline (black); #11 Calcite; #12 Mica, Muscovite; # 13 Quartz, Smoky; #14 Fluorite (green); #15 Quartz, Crystal #16 Beryl

GSNH members may borrow the Mineral Box, by sending an e-mail to: geology@des.state.nh.us Please give your name, date needed and for how long and a phone number with a good time to call you to discuss pick-up/delivery of the GSNH Mineral Box.

Recently released USGS Reports: now available online at www.nh.water.usgs.gov

Rich Moore, USGS

Digital Data Set of Generalized Lithogeochemical Characteristics of Near-Surface Bedrock in the New England Coastal Basins, U.S. Geological Survey Fact Sheet 003-02. By Denise L. Montgomery, Gilpin R. Robinson, Jr., Joseph D. Ayotte, Sarah M. Flanagan, and Keith W. Robinson

Factors Related to Well Yield in the Fractured-Bedrock Aquifer of New Hampshire, U.S. Geological Survey Professional Paper 1660. By Richard Bridge Moore, Gregory E. Schwarz, Stewart F. Clark, Jr., Gregory J. Walsh, and James R. Degan

Fracture-Related Lineaments at Great Bay, Southeastern New Hampshire, U.S. Geological Survey Open-File Report 02-13
By James R. Degan and Stewart F. Clark, Jr.

Geophysical Investigations of Well Fields to Characterize Fractured-Bedrock Aquifers in Southern New Hampshire, U.S. Geological Survey Water-Resources Investigations Report 01-4183. By James R. Degan, Richard Bridge Moore, and Thomas J. Mack

DISSOLUTION OF NHCPG

Tim Stone, PG

On October 17, 2002, at the joint NHGS/NHCPG annual meeting in Concord, the NHGS members voted to accept revised bylaws which changed the name of the organization to the Geological Society of NH (GSNH) and incorporated provisions to accommodate the general professional advocacy mission of the NHCPG. Subsequently, the NHCPG members present voted to dissolve NHCPG and transfer the organizations' assets to the GSNH. These actions culminated the last four plus years where NHCPG began as an Ad Hoc Committee of the NHGS, led to the writing and passage of legislation to license geologists in NH, and to the current licensing of over 400 NH Professional Geologists. The mission of NHCPG will live on within the new GSNH framework with Legislative and Regulations monitoring committees and a general mission of advocacy for the profession of geology.

I would like to thank everyone who was involved with NHCPG over the past years and devoted so much time to our mission. Additionally, thank you to all those who couldn't contribute time and instead made financial contributions. I hope all of you, if not already, will continue on as members or supporters of GSNH and stay actively involved in a similar fashion.

Over the past weeks the former NHCPG Executive Committee has been doing some housekeeping to transfer records over to the GSNH. At the GSNH Board of Directors meeting on December 12, 2002, the Board will fill the Vice President - Professional Geologist Branch position. Additionally, Ken Milender and Chip Crocetti have volunteered to chair the Legislation and Regulations committees, respectively. The primary responsibility of the Legislative Committee will be to monitor legislation that impacts the practice of geology, and to provide geologic expertise and input, as appropriate, to House and Senate committees. The Regulations Committee has two primary responsibilities; to monitor regulations in such agencies as the NHDES and NHDOT, and to monitor issues associated with the implementation of professional geologist regulations. Those interested in joining either committee should contact the committee chair.

I looking forward to seeing the fruits of one unified geologic organization in New Hampshire and encourage everyone to get involved by supporting GSNH and the profession that has rewarded so many of us with a satisfying career.

Voting Results from NHGS/GSNH Annual Meeting, October 17, 2002

The response to the ballot questions at the 2002 NHGS Annual Meeting was as follows:

President

Lee Wilder 40
Chris McQueen 1

Secretary

Dave Wyman 41

Vice President

John Regan 38
John Pasquale 1
Mark Henderson 1
1 blank

At Large Member

Mike Robinette 35
Greg Kirby 3
Sean Kennedy 1
Chad Tomforde 1
blank 1

Treasurer

John Noble 40
Jamie O'Rourke 1

Proposed Amendment to NHGS Constitution and Bylaws

Favor 35
Oppose 5

**Congratulations to our new officers.
We appreciate your service on our behalf!**



Geological Society of New Hampshire

Winter Dinner Meeting

Speaker: Bob Whitmore

Topic: "Madagascar mineral collecting..."

When: Thursday, January 9, 2003

Where: Cat 'n Fiddle Restaurant

Manchester Street, Concord, NH

6:00 pm Cocktails

7:00 pm Dinner

NHGS/NHCPG Annual Meeting, Thursday January 9, 2003

Dinner will be a buffet.

Reservations: _____ members @ \$17.00 _____ non-members @ \$19.00 (in advance)

Half-price for students (must show student ID card)

Reservations will be taken until Monday afternoon, January 6, 2003

There will be a \$2.00 surcharge for those paying at the door without reservations

Make checks payable to: Geological Society of New Hampshire

Mail to: Dave Wyman, Buoy Technologies, Inc., 31 Columbus Ave., Concord, NH 03301

phone: 603-224-9031 or davew@buoytec.com for information

Name: _____

Address: _____

Phone and/or Email: _____

Half the cost of the dinner may be tax-deductible as a business expense.

The lecture part of the program counts as 1.5 hours of CEU contact hour credit.

GSNH Membership Renewal Reminder!

Dues are due (!) in January 2003.

Send in your form!
(It's inside the newsletter)

Geological Society of NH
PMB 133, 26 South Main Street
Concord, NH 03301

