



October, 1998

Volume 24  
Number 3

### The President's Message

As you read this we have had another short course, this one on the Environmental Geology of Maine. While organizing this year's course, there were many occasions when I wished I had everyone's email address. An email list would save the GSM time and money in the delivery of announcements, like that regarding the short course, as well as in the delivery of the newsletter. I suspect you can guess what I am going to ask next... would everyone be willing to send in their email addresses so that we have a list? The list would be treated like our postal mail list in that it would not be sold or given away without a vote of the membership. Anyone who still wants a paper newsletter could still receive one, but those who wished would only get an electronic version. So, here is the request: If you want news and information (including the newsletter) sent to you by email, send your request to: **belknap@maine.edu**. Dan is the newsletter editor and will compile the list.

In a similar vein, I am wondering if it is time for GSM to have its own webpage? At this site we could post the newsletter as well as other announcements as needed. We could possibly put field trips there and photographs from events. At the next meeting in November, I am going to suggest that we employ someone (unless there is a volunteer!) to set this up for us. Marty Yates and the UM Department of Geological Sciences have agreed to provide us space on a server for a site.

Joe Kelley

### The Editor's Message:

The summer field trip was a success with a small but loyal band of campers in the Cobscook Bay area. Dan Lux of the University of Maine led a very interesting trip to visit the igneous rocks of Pleasant Bay. Joe Kelley revisited Lubec to examine the moraine system and spit in that area.

It is not too soon to start planning for next year. If you have a great new location or a "golden oldie" please bring it up as soon as possible. Remember that next year will be our 25'th anniversary. It would be a wonderful idea to have a 25'th gala trip to celebrate. As I've mentioned before, I hope we'll have ideas for special conferences and other

activities. Please bring your ideas to Gorham, or send them to me or Joe Kelley.

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### Geological Society of Maine Fall Meeting

hosted by the  
Department of Geosciences  
University of Southern Maine  
November 12, 1998

**Location: Faculty and Presidential Dining  
Rooms on the Gorham Campus**

### Schedule of Events -

**2:30: Geophysical Research at the University of  
Southern Maine -**

**2:30 PM Dr. Lee Slater: Combined resistivity  
and induced polarization for  
hydrogeological investigation.**

**3:15 PM Dr. Stewart Sandberg: Non-invasive  
mapping of high-angle fractures using  
electromagnetics.**

**4:00 PM Business Meeting**

**5:00 PM Social Hour - hors d'oeuvre and cash  
bar**

**6:00 PM Dinner - Pass through the dining room  
serving line (\$6.95/person)**

**7:00 PM Dr. Stephen Pollock: Bedded Chert  
and Spherulitic Rhyolite: A tale of two  
rock types quarried by Paleoamericans  
circa 10,000 - 9,500 BP**

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### GSM Member News

Please send member news to Carolyn Lepage at clepagegeo@aol.com or PO Box 1195, Auburn, ME 04211-1195 or by fax to 207-777-1370 or just call 207-777-1049.

## **Environmental Geology Short Course a Success**

The Geological Society of Maine held a short course this month, which was a great success. There were approximately 55 paid attendees (final tally will be announced at the business meeting 11/12/98). The following is the program that was presented. If you'd like to follow-up with any of the presenters, let Joe Kelley know.

### **GEOLOGICAL SOCIETY OF MAINE SHORT COURSE ON THE ENVIRONMENTAL GEOLOGY OF MAINE**

October 14, 1998, 830-430  
Jewett Hall, University of Maine-Augusta

0855-0900 Introduction: Mr. Walter A. Anderson, Moderator,

#### **Mining Issues**

0900-0945 Mines In Maine, Their History And Future: Mr. Fred Beck, F.M. Beck, Inc.

0945-1030 Mining and Gravel Pit Regulations: Mr. Mark Stebbens, Maine State Department of Environmental Protection.

Coffee Break: 1030-1045

#### **Marine Issues**

1045-1130 The Physical and Cultural Evolution of Maine's Beaches: Mr. Stephen M. Dickson, Maine Department of Conservation, Maine Geological Survey,.

1130-1215 Coastal Bluff Erosion and Landslide Hazards: Dr. Joseph T. Kelley, Maine Department of Conservation, Maine Geological Survey.

Lunch: 1215-1315

#### **Water Issues**

1315-1400 Acid Rain: Dr. Stephen Kahl, University of Maine, Water Research Institute.

1400-1445 Floods and Flood History: Mr. Glenn Hodgkins, U.S. Geological Survey.

Coffee Break: 1445-1500

1500-1545 Contamination at the McKin Site, Maine's First Superfund Site: Ms. Camille S. Parrish, Maine State Department of Environmental Protection.

1545-1630 Hydrocarbons (Including MTBE) in Maine's Ground Water and our Progress in Dealing With Them: Dr. Bruce Hunter, Maine State Department of Environmental Protection.

**MDEP CONSULTING PROFESSIONALS TASK FORCE**  
**PAST, PRESENT & FUTURE**  
**FLYER**  
1998

The **DEPTF** was created in December 1989 through an initiative of CEM to improve the communications and working relationship between consulting professionals and the DEP. Since that time, the **DEPTF** has proven to be an effective forum for resolving technical and administrative issues.

**Key Accomplishments Include:**

- Lessons Learned/Low-Flow Sampling Conferences and Short Courses in Professional Ethics, and Fate-Transport of Contaminants in the Environment,
- The Dissemination of Information Concerning New and Revised Regulations, Policy, Guidelines, GIS-Database Development,
- Resolution of Issues Relating to Pre-Qualification of Consultants, Consulting Fees, Contracting, the Role of Consultants in Pollution Prevention and Certification of Professionals & Contractors,
- Professional Accountability in Applications and Work Plan Submittals to the DEP,
- Established a Peer Review Document - Model Process for Methods, Standards and Practice,
- Established a List of DEP Technical Guidelines and Posted on the DEP Internet Home Page,
- Established a Policy for Stamping and Sealing Document Submittals to the DEP.

We are sending out this flyer to solicit **your input** on any current topics of interest that focus on the continued day-to-day interactions between the DEP and the consulting community and how well the regulations are working in this process. In addition, are there other conferences, seminars or short courses that the **DEPTF** could sponsor in the future? Your thoughts and suggestions are welcome!

**Current Topics of Discussion:**

- Improvement in Contractor Compliance with DEP permit or license conditions,
- GIS Data Management at the DEP,
- Use of Electronic Deliverables to the DEP.

Please contact your **DEPTF** representative or a member of the DEP as indicated below:

	<u>Current Representative</u>
DEP Bureaus of Land & Water Quality, Air Quality and Hazardous Materials DEP	Bill Brown (bill.p.brown@state.me.us) George Seel, Dave Silver, Bryce Sproul, Marianne Hubert
Consulting Engineers of Maine (CEM)	Richard Fortin (info@tewhey.com)
American Society of Civil Engineers	Dirk Brunner (dirk.r.brunner@usevs.mail.abb.com)
American Society of Civil Engineers	David Kamila (landuse@gwi.net)
Geological Society of Maine	Carolyn Lepage (clepagegeo@aol.com)
Maine Association of Professional Soil Scientists	Dave Moyse (moysenv@mint.net)
Maine Mineral Resources Association	Wilbur Saunders
Maine Society of Land Surveyors	David Brandt (brandt@me-ngnet.army.mil)
Maine Society of Professional Engineers	Doug Riley (darcoengr@aol.com)

**MEMBERSHIP DUES STATEMENT**

**The GEOLOGICAL SOCIETY OF MAINE, INC.** is a non-profit corporation established as an educational Society to advance the professional improvement of its members; to inform its members and others of current and planned geological programs in Maine; to encourage continuing social contact and dialog among geologists working in Maine; and to further public awareness and understanding of the geology of the State of Maine; and of the modern geological processes which affect the Maine landscape and the human environment.

The Society holds three meetings each year, in the late fall (Annual Meeting), early spring, and mid-summer (usually field trips). A newsletter, *The Maine Geologist*, is published for all members three times a year. The Society year runs from August 1 to July 31. Annual dues and gift or fund contributions to the Society are tax deductible. There are three classes of memberships:

- \$7.00 REGULAR MEMBER Graduate geologists, or equivalent, with one year of practice in geology, or with an advanced degree.
- \$6.00 ASSOCIATE MEMBER Any person or organization desirous of association with the Society.
- \$4.00 STUDENT MEMBER Persons currently enrolled as college students.

A \$2.00 APPLICATION FEE is a one-time fee for all new members, payable when applying for membership.

**THE GEOLOGICAL SOCIETY OF MAINE ANNUAL RENEWAL / APPLICATION FOR MEMBERSHIP**

Application Fee	\$2.00	\$ _____	Name _____	<b>Make checks payable to:</b> Geological Society of Maine Elizabeth Champeon, Treasurer Six Liberty Drive Bangor, ME 04401
Regular Member	\$7.00	\$ _____		
Associate Member	\$6.00	\$ _____	Address _____	
Student Member	\$4.00	\$ _____		
Contributions to GSM		\$ _____		
	(please write gift or fund on check)			
<b>TOTAL ENCLOSED</b>		\$ _____	_____	

(Geological Society of Maine funds include the Walter Anderson Fund, the Education Fund, and discretionary gifts as noted by contributor)

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**1998/99 SOCIETY YEAR BEGINS AUGUST 1 - PLEASE SEND DUES TO TREASURER**

**THE GEOLOGICAL SOCIETY OF MAINE**

c/o Arthur M. Hussey, II, Postal Chairman  
Department of Geology  
Bowdoin College  
Brunswick, ME 04011

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Address Correction Requested

Correspondence about membership in the Society should be mailed to:  
Elizabeth Champeon, 6 Liberty Drive, Bangor, ME 04401

Items for inclusion in the newsletter may be directed to:  
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- President Joseph Kelley
- Vice President Walter Anderson
- Secretary Rebecca Hewett
- Treasurer Elizabeth Champeon
- Newsletter Editor Daniel Belknap
- Postal Chairman Arthur Hussey
- Directors Carolyn Lepage (97-98)
- Fred Beck (97-00)
- Martin Yates (97-01)