

## President's Message

by Fred Beck

The next meeting of the Geological Society of Maine will be held Friday afternoon and evening, November 1 in Orono at the University of Maine. There will be a number of excellent papers given during the afternoon followed in the evening by an inspiring and informative talk by our distinguished speaker, John Armentrout. This talk should be heard by all geologists interested in the future of our profession. Dr. Armentrout is a consultant at Mobil's Exploration and Producing Technical Center in Dallas, Texas, but he won't be speaking just about the oil industry. I strongly recommend that all students planning to become professional geologists attend his lecture. His thoughts could well provide some incentive and direction and even enthusiasm for students and others just getting started. I hope the geology faculty of Maine's several colleges will encourage their students to attend. And for the rest of us who have been professional geologists for awhile the evening talk should be of real interest.

A new slate of officers will be elected at the November meeting so this will be my last opportunity to speak from this pulpit. I would like to thank several people who have been especially helpful to me during my brief two-year term. In particular I'd like to express thanks to Bob Johnston who has been the "glue" which holds our organization together no matter who the officers are and Susan Weddle, our newsletter editor. Susan works harder than any of us on GSM business and her

contributions are seldom recognized. Having been a newsletter editor for another group a few years ago, I know how much work Susan puts into this newsletter. Thanks Susan. And Archie Berry continues to quietly keep us legal by submitting the required forms to the government agencies each year. And thanks to all the others who have helped me during the past two years. I've enjoyed the experience and look forward to future GSM meetings and field trips.

The newsletter is your vehicle for getting messages to other geologists. Short essays, abstracts, wild ideas or news worth sharing are all welcome and encouraged in our newsletter. Simply send your submissions to Susan Weddle and she will find a place for them.

**1996 GSM Fall Meeting  
Friday, November 1, 1996  
Doris Twitchell Allen Village  
University of Maine, Orono**

**1:30 - 4:00 PM Scheduled Speakers**

**4:30 PM Business Meeting**

**5:00 - 6:00 PM Social Hour (Cash Bar)**

**6:00 - 7:00 PM Dinner**

choice of vegetarian lasagna (\$7.50)  
or chicken Cordon Bleu (\$9.35);  
contact Alice Kelley re: dinner  
choice by 10/25 (207-581-2056) or  
e-mail - akelley@maine.maine.edu

**7:00 PM Speaker Dr. John Armentrout**

The schedule for the afternoon speakers is as follows:

1:30 PM	Stephen Norton
2:00 PM	Stewart Sandberg
2:30 PM	Andrew Reeves
3:00 PM	Coffee Break
3:30 PM	Stephen Kahl
4:00 PM	Doug Reusch

The evening speaker, Dr. John M. Armentrout will speak on "Geology in the 21st Century: Exciting Opportunities for Creative Geologists". The talk will include a perspective on geoscience trends from 1950-1995; a discussion of the current job market and factors forcing that market; a perspective on what the next few years may offer; and a positive point of view of the future. Dr. Armentrout is the national SEPM president and a geological consultant at Mobil's Exploration & Producing Technical Center in Dallas. He has published extensively in the areas of stratigraphy, biostratigraphy, and basin analysis and is focusing his current research on sequence stratigraphy.

#### GSM Proposed Slate of Officers 1996-1997

President	Joseph Kelley
Vice-President	Walter Anderson
Treasurer	Martin Yates
Secretary	Rebecca Hewett
Director (1996-99)	Fred Beck
Director	Carolyn Lepage
	(fills Steve Pinette's term until 1998)
Newsletter Editor	Susan Weddle

Submitted by nominating committee:  
Robert Johnston  
Marita Bryant  
Rebecca Hewett

#### GSM Treasurer's Report

<b>Balance on Hand</b>	<b>6/20/96</b>	
		<b>\$9209.54</b>
<b>Receipts Subtotal</b>		<b>\$705.15</b>
Dues		\$ 438.00
Anderson Fund		\$ 104.15
Education Fund		\$ 0.00
Publications		\$ 163.00
<b>Expenses Subtotal</b>		<b>\$1023.19</b>
Bank Charges		\$ 2.50
Printing		\$ 609.44
Postage		\$ 48.95
Miscellaneous		\$ 362.30

<b>Balance on Hand</b>	<b>10/5/96</b>
	<b>\$8891.50</b>

<b>Balance Summary</b>	<b>10/5/96</b>
General Fund	\$3825.22
Education Fund	\$ 630.70
<u>Anderson Fund</u>	<u>\$4435.58</u>
Total	\$8891.50

<b>Membership Summary</b>	
Regular	267
Associate	25
Student	27
<u>Institutions</u>	<u>14</u>
Total	333

Members paid through 1996:	159
Members paid through 1995:	69
Members paid through 1994:	56
Members paid through 1993:	49

Submitted by Martin Yates, Treasurer

**GSM Summer Field Trip Meeting  
Minutes  
Aroostook State Park, Presque Isle, ME  
July 27 - 28, 1996  
by Rebecca Hewett, Secretary**

The summer field trip began on the morning of July 27 in Houlton, Maine and concluded on the afternoon of July 28 near Patten, Maine. Information on the field trip can be found in the "Field Guide for the Summer Meeting of the Geological Society of Maine, July 27 and 28, 1996, SURFICIAL AND ECONOMIC DEPOSITS IN SOUTHEASTERN AROOSTOOK AND NORTHERN PENOBSCOT COUNTIES, MAINE." Field trip leaders were Frederick M. Beck, Christopher C. Dorion, Michael V. Scully, and Thomas K. Weddle. On the afternoon of July 27, Kevin McCartney conducted a tour of the new science museum at UMPI for interested field trip attendees.

At 6:00 PM on July 27, the field trip attendees met at the Aroostook State Park beach on Echo Lake, where the evening speaker was Christopher C. Dorion from the Department of Geological Sciences, University of Maine, Orono. Chris Dorion, with assistance from fellow students, retrieved and presented to the assembled group, a fresh continuous core from the bottom of Echo Lake at the Aroostook State Park. The assembled group consisted of Geological Society of Maine members, staff of the state park, local residents, and people visiting the state park. The talk was well received by all present and several questions were asked and responded to. A one page write-up titled "Part III, Lake Coring in Northern Maine" pertaining to Chris Dorion's talk can be found on page 18 of the field trip guide.

Directly following Chris Dorion's talk, the GSM business meeting was held. It was short and sweet. Fred Beck, President conducted the meeting.

1. Spring 1996 meeting minutes were accepted as is.
2. Treasurer's report was presented in the last newsletter.
3. The next meeting (Fall 1996) will be held in early November at the University of Maine located in Orono. Notice will be sent out.
4. Meeting adjourned. Society members left the beach area and regrouped at the designated campsite for the cookout.

**NEIGC in New Hampshire  
September 26-28, 1996**

The 88th Annual Meeting of the New England Intercollegiate Geological Conference was held in the White Mountains of New Hampshire, hosted by Harvard University and headquartered at the Wildcat Mountain ski lodge, in the shadow of Mt. Washington. The meeting was the first time in 50 years that it has been held in the White Mountains, last hosted by Marland and Katherine Billings. The field trips for this year's meeting were held in reasonably fair but varied weather (by White Mountain standards). On Friday, two trips ascended Mt. Washington via the Auto Road, however legendary Mt. Washington weather socked in the summit and prevented one trip from visiting all its scheduled stops. By Sunday, the blustery weather had settled on a beautiful final field day. A surprise guest visited the annual banquet Saturday night; NEIGC Secretary Emeritus Dee Caldwell, who was called to act as interim secretary, had to dodge a bat that was loose in the hall.

No stranger to the role, Dee, nonplussed by Die Fledermaus, graciously accepted offers to host NEIGC in 1997 (Carleton State College, Rutland, Vermont) and 1998 (University of Rhode Island). All who attended thanked Mark Van Baalen for organizing this year's meeting, and look forward to the upcoming conferences.

### GSM Member News

**Steve Pinette** (formerly Maine DOT) and his family have settled into their new home at 3301 Ferrington Court, Apex, North Carolina 27502. Steve would love to hear from anyone (919-303-3736).

In July, **Rudy Rawcliffe** and **Mike Scully** bought Northeast Geophysical Services division of F. M. Beck, Inc. They are now NGS, Inc., located at 4 Union Street, Bangor, Maine 04401; (207-942-2700). NGS, Inc. will continue to offer geological and geophysical services and will remain closely aligned with F. M. Beck, Inc.

**Walter Anderson** is enjoying retirement in his new home in Yarmouth. Walter recently joined 20 other former and current state geologists on a rafting trip down the Colorado River.

**Steve Dickson** (Natural Resources and Mapping Information Center) and **Lisa Churchill** (Maine DOT) were married in July and honeymooned in Paris (France, not Maine).

**Steve Kahl** (U Maine Water Research Institute) and **Mary Ann McGarry** (Maine Forest Service) became the proud parents of a baby girl, Sydney Andersen Kahl, on June 12, 1996.

**Mary Hubbard** (formerly University of Maine) is now teaching at Kansas State University in Manhattan, Kansas.

The University of Maine has hired **Andrew Reed** as the new hydrogeochemist. He will start teaching classes in the spring 1997 semester.

**Lissa Robinson** is back at work at Gerber-Jacques Whitford after having a baby, Elias Gould Robinson, in June.

According to **Andy Tolman**, Gerber-Jacques Whitford has signed a letter of intent to merge with Morrison Geotechnical Engineers.

\*\* This is a new feature for our newsletter and we would appreciate your comments and suggestions. Please give your feedback, as well as member news items to Carolyn Lepage at Lepage Environmental Services, Inc. (telephone 207-777-1049, fax 207-777-1370).

## DEP Task Force Update

by Carolyn Lepage

The Task Force has put the final touches on its *Professional Signing and Registration Seal Requirements for Submittals to the DEP* document. The group intends to present it to the DEP's Senior Management Team as a "guideline". If there is support from the Senior Management Team, we will send a copy to the Boards of Professional Engineers and Certified Geologists and Soil Scientists for their review and endorsement. Anyone interested in obtaining a copy of the document should contact me.

At our September meeting, we heard an up-date on the progress of the working group studying the pre-qualification methods used by the DEP. The working group was assembled after Allan Ball, Director of the Bureau of Remediation and Waste Management, approached the Task Force for assistance in improving the Bureau's contracting procedures. The group, which consists of 7 consultants and 3 DEP representatives, has met once so far. Three additional meetings are planned to discuss the underground tanks and landfill closure programs, the uncontrolled sites program's requests for proposals and contract language. The Task Force also heard about the progress of another working group that's addressing wastewater lagoon design, operation, and monitoring issues.

The Task Force is working with the Cumberland County Soil and Water Conservation District to organize TR20/HydroCAD training sessions to be held in South Portland and Augusta in February 1997. The training sessions, which

were suggested to the Task Force by a GSM member, will fit in nicely with the nonpoint source training series assembled by the DEP Land and Water Resources Bureau. I would be happy to receive other suggestions for training; please give me a call at 207-777-1049 or send me a fax at 207-777-1370 (I promise I'll have e-mail in the near future!)

## New Map Series of the Maine Coast

The Natural Resources Information and Mapping Center (Maine Geological Survey) has just issued a new series of maps on the *Surficial Geology of the Maine Inner Continental Shelf*. Color map units showing seafloor type were determined using side-scan sonar surveys, seismic reflection profiles, grab samples, cores, and video images. Bathymetry is shown with 10 meter (33 feet) contour intervals from National Ocean Service provisional Bathymetric and Fishing maps. Geographic names on the map include some coastal towns and cities, prominent islands, bays, harbors, and peninsulas. Major roads and inland lakes and streams are provided for reference. An explanatory text describes the regional geologic setting, scientific methods used, description of seafloor types, geologic history, summary of seafloor types, and sources of additional information. Maps are 4 feet wide and 3 feet high. The scale of the maps is 1:100,000. Maps may be purchased at the Natural Resources Information and Mapping Center in Augusta at 207-287-2801. Map orders must be placed at least one working day ahead of time because they are individually generated on a computer plotter. Additional information can also be found on the World Wide Web at: <http://www.state.me.us/doc/nrimc/nrimc.htm> or e-mail to: [nrimc@state.me.us](mailto:nrimc@state.me.us)

## 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 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>Checks payable to:</b>
Regular Member	\$7.00	\$ _____		Geological Society of Maine
Associate Member	\$6.00	\$ _____	Address _____	Martin Yates, Treasurer
Student Member	\$4.00	\$ _____		c/o Dept. Geological Sciences
Contributions to GSM		\$ _____ (gift or fund on check)		5711 Boardman Hall
<b>TOTAL ENCLOSED</b>		\$ _____		University of Maine
				Orono, Maine 04469

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

### 1996/97 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

Non-profit Organization  
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Address Correction Requested

Correspondence about membership in the Society should be mailed to Martin Yates, Department of Geological Sciences, 5711 Boardman Hall, University of Maine, Orono, Maine 04469.

Items for inclusion in the newsletter may be directed to Susan Weddle, 11 Beech Drive, Brunswick, ME 04011.

- President Fred Beck
- Vice President Joseph Kelley
- Secretary Rebecca Hewett
- Treasurer Martin Yates
- Newsletter Editor Susan Weddle
- Postal Chairman Arthur Hussey
- Directors Robert Johnston (93-96)
- Marc Loiselle (94-97)
- Steve Pinette (95-98)