



THE MAINE GEOLOGIST

THE NEWSLETTER OF THE GEOLOGICAL SOCIETY OF MAINE

VOLUME 1 / NUMBER 3

JANUARY 1975

GSM WINTER MEETING

The **First Annual Winter Meeting** of the Society will convene at 7:00 PM on THURSDAY, FEBRUARY 6th, at the PILOT'S GRILL, in the southwestern part of Bangor shortly to the west of Interstate 95. We have a dining room reserved for the meeting, and will have refreshments starting at 5 PM, with dinner at 6 PM. Pre-meeting festivities and nourishment will be selected on an individual cash basis from the wide range of items on the Grill's wine list and menu.

We are fortunate to have as the evening's principal speaker Donaldson Koons, Commissioner of the Maine Department of Conservation, who will describe and discuss his Department's hopes, plans and programs which relate to geologists, geology and/or the Maine terrane. Following Don Koons' presentation, there will be some continued dialogue on the organization of the Society and other business matters. Please note that this meeting is on Thursday the 6th, and is NOT on Wednesday the 5th as earlier suggested at the Fall meeting.

NEW ENGLAND SEISMIC NET II

It was at least an M.M. Intensity VIII (which is not too easy to get on bedrock in these parts) at Cundy's Harbor toward noon on October 24th, when the Editor spotted the glaring omission in the October Newsletter's article on Jim Skehan's new seismic network for New England. The proof copy had been OK, but somehow a sentence (middle of last paragraph) had not got all of itself onto the final copy. In reference to seismic records to be obtained by the new network, the sentence should have run:

"These data will provide the basis for developing travel-time curves for a variety of paths in New England, and for developing related preliminary crustalmantle models for various parts of New England including Maine."

In your Editor's opinion, this sentence is paramount, defining the very heart and soul of the whole program. There seems to be a real question as to whether there is indeed any meaningful spacial relationship between plots of recorded earthquake epicenters, historical or instrumental, and regional faults as mapped at ground surface in New England. It may also be questioned whether known earthquake plots relate in some systematic way to specific geologic or tectonic provinces as these provinces are defined at ground surface in our area. With the continuing problems that we have in trying to relate seismicity with geology in a two-dimensional framework, there can be no question that we must have data from the third dimension, from depth, to permit any kind of rational analysis and, hopefully, understanding of such relationships as must exist between geology and earthquakes in (and under) New England. Sorry to have displaced that key sentence.

SOCIETY MEMBERSHIP

On December 31, 1974, there were 83 members of the Society, with 48 Maine residents and 35 out-of-State members (a number of whom work in Maine in the summer field season), as follows:

| Maine Residents | | Out-of-State | |
|---------------------|----|------------------|----|
| Gardiner-Waterville | 12 | Massachusetts | 15 |
| Brunswick-Midcoast | 8 | New York | 6 |
| Bangor-old Town | 8 | New Hampshire | 3 |
| Camden-Rockland | 6 | D.C. & Virginia | 3 |
| Lewiston-Auburn | 5 | Ohio | 2 |
| Farmington-Jay | 4 | Wisc., Md., N.M. | |
| Portland-Wells | 2 | Hawaii, Ontario | |
| The County | 2 | Newfoundland | 6 |
| Ellsworth | 1 | | |

To determine a most-convenient site for the Fall and Winter meetings of the Society (probably to be attended mostly only by resident members), a Scientific calculation indicates that if you do not quite give the members from The County all the weight they deserve, the center of distribution of the resident membership lies just about right on the North Palermo Grange Hall. For your consideration for scheduling future GSM meetings, the North Palermo Grange is noted for its annual Fall and

NEW MAINE SURVEY PUBLICATIONS

CASWELL, W. B., Jr. (1974) Physical Resources of Knox County, Maine. Publication PR-1.

HUSSEY, A. M. 11 (1974) Bibliography of Maine Geology, 1672 - 1972. (A definitive bibliography with Index; 269 typescript pages)

LUDMAN, A. (1974) Preliminary Report on the Geology of the Calais-Big Lake, Maine, Area.

GATES, O. (in press) Geology of the Eastport 15minute Quadrangle, Maine. ("GM" series map)

Inquiries as to the availability and prices of these and earlier Maine Geological Survey publications should be addressed to: The Maine Geological Survey, Department of Conservation, State Office Building, Augusta,

ICE CAP STUDIED

A 5-man team of geologists from the University of Maine is studying the West Antarctic ice sheet to try to find out why it is slowly crumbling and possibly influencing the world's sea levels and weather patterns. The ice sheet is about the size of Mexico, averages nearly a mile thick, and stretches from the Ross Sea to the Weddell Sea. The geologists, led by George H. Denton and Harold W. Borns, Jr., are trying to determine the greatest extent of the ice sheet, when it was most extensive and how fast it is deteriorating. (reprinted from GEOTIMES, December 1974 issue)