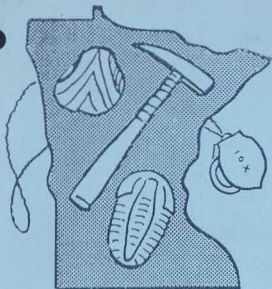


WINTER 1984



Geological Society  
of Minnesota

NEWS

Geological Society of Minnesota

MINNEAPOLIS, MINNESOTA



FIRST CLASS



EDITORS:

GEORGE AND GOLDIE JOHNSON  
5146 - 197th Avenue N. E.  
Wyoming, Minnesota 55092

Dr. Alex D. & Marlys Lowe  
2206 Caroline Lane  
South St. Paul, Mn. 55075

PLEASE FORWARD



## Geological Society of Minnesota

1711 Marshall Avenue, St. Paul, Mn. 55104

### OFFICERS:

Pres. George Johnson  
V. Pres. Eva Selander  
Treas. Warren Mitchell  
Sec'y. Marlys Lowe

### DIRECTORS:

Wilbur Hill  
Conrad Nelson  
Elizabeth Coten  
Dwight Robinson  
Dick Uthe

NEWSLETTER: December 1984 - January, February 1985

### PRESIDENT'S MESSAGE

About this time each year the president of the Geological Society of Minnesota sits with pen in hand and contemplates what words he can use to describe the Society's activities of the passing year. For each of them I am sure that it feels that the year has passed all too quickly. The holiday seasons ahead are going to be busy ones for most all of us, and the rush to get all the traditional preparations made will make the days and weeks pass even more quickly. In the days ahead GSM still has some important business to do, that is the election of officers and to form committees to carry on the Society's work for the coming year. By the time you receive this letter some of this work should be done and the results given elsewhere in this newsletter. Committees are being formed and membership is open to all. We need your ideas and enthusiasm.

It is difficult to go back over the past year and reflect on the great experiences we've had as a group without remembering the loss through death of several of our members and friends who have meant so much to us. Their contributions to GSM have been outstanding and greatly appreciated. Each year we look forward to a great lecture series, that we've come to expect from our Program Committee. Marcia Gunville planned for us several great series over the past several years. We'll miss her as a friend and outstanding member of GSM.

I wish also to thank those who have served as officers and committee chairpersons during the past year. Special thanks to officers: Eva Selander for her arranging of the banquet and annual business meeting and support as vice-president; Marlys Lowe for her work as secretary; Warren Mitchell for his handling of the treasury. Thanks also to the spouses of the officers who provided them with enthusiastic support.

A lot of effort was put into the various GSM activities by the committees. Special appreciation and thanks to Bob Handschin for his work on Membership; Bob and Marcia Gunville for their support in providing us with outstanding field trips and lecture series; Dick Uthe for his experience in GSM activities; Ethel Shimek and Henry Hanson (you too Dick) for work on the newsletter; Liz Coten for exhibits guidance this year; Wilbur Hill for his obtaining attendants for the State Fair booth; Dwight Robinson for his GSM experience and preparation and printing of the GSM Public Lecture Series program; Conrad Nelson for input and suggestions to the Board; Mary Kimball for her constant support in liaison work for the Society; and Dale and Wilma Johnson for their faithful service in providing us with coffee and doughnuts at our public lectures. Finally, but not least, to all the members whose generous support makes GSM the great organization that it is. Again, thanks to all.

Best wishes and a happy holiday season to you all, and we look forward to your participation in the lecture series, the labs, and the field trips for the coming year.

*George H. Johnson*



## ANNUAL MEETING



Bob Gunville provided the audience with another outstanding slide presentation of a trip down the Colorado River through The Grand Canyon. We wish to thank Bob for his willingness to share with us his exciting experiences.

### NEW OFFICERS

At the November GSM Board meeting, the following officers were elected: Eva Selander, President; Warren Mitchel, Vice-president; Marlys Lowe, Secretary; and Dwight Robinson, Treasurer. We are happy to have these capable people lead us during the coming year.

### MEMBERSHIP

Keep those membership dues coming. Bob Handschin reports that the memberships are about the same level as they were last year at this time. If you have not become a member as yet, please do so. We want your support. Send your check to:

Robert Handschin  
2029 Edgerton Road  
St. Paul, Mn. 55117



### PUBLIC LECTURES

In our last newsletter you received a copy of the 1984-85 Public Lecture Series listing. These lectures have been well attended. If you have not attended yet this year, you have been missing an excellent program.

Meetings: 7:30 pm, Mondays, Jan. 14, 28; Febr. 4, 11, 25  
March 4, 11, 25; April 8

Where: 170 Physics Building, U of M

### MARK YOUR



Copies of the Public Lecture Series program may be picked up at the lecture if you have misplaced your copy.



Join us!





Dick Uthe, Geology Professor, General College, University of Minnesota, will conduct two labs.

Mondays 7:30 pm February 4 and March 4  
 Appleby Hall, Room 104, U of M Campus (East Bank)

The first lab session scheduled for February 4 will deal with Basic Map Reading. The second session being held March 4 will cover Topographic Map Interpretation of River and Glacial Landscapes. Be sure to mark your calendars and plan to attend these labs.

As you may notice, these labs are scheduled Monday nights between our regularly scheduled lectures.

### COMMITTEES



The Board is in the process of forming new committees for the coming year. If you are approached to serve on a committee, please give it some serious and positive thought. GSM needs your thoughts and ideas in order to progress and grow.

\* \* \* \* \*

## In Memoriam

Many memorial gifts have been received by the Geological Society of Minnesota in memory of Marcia Gunville who passed away August 3. Marcia has contributed much to the activities of the society and had planned the current lecture series which we are currently experiencing. Memorials are being designated to the Educational Fund of GSM.

### 1 9 8 4 I N R E V I E W



1. GSM had an outstanding lecture series covering chemical foundations in earth geology, chemistry of minerals, and the evolution of the earth's crust. Igneous activity, metamorphic and sedimentary processes were also analyzed.

Dr. Gerald Webers, Macalester College led two lab sessions on fossil identification.

2. Spring Banquet was held at Duff's Smorgasbord, Ward's Terrace Shopping Center, Robbinsdale. Guest speaker was Dr. Daryl R. Karns, General College, U of M. His topic was "A Cold Look at Warm-Blooded Dinosaurs."

3. Four field trips were held during the summer months. Weather was somewhat cooperative and all participants experienced a great time. All trips were by car caravan. The subjects and leaders were:
- Bedrock Geology of the Duluth, North Shore, and Gunflint Trail Areas - with Jim Miller, Graduate Student, University of Minnesota.
  - Sedimentary Environments of the Twin Cities During the Cambrian and Ordovician Period - led by Dr. Christopher Paola, University of Minnesota.
  - A Field Exercise to Determine Where a Bedrock Unit Lies - with Dr. George Shaw, University of Minnesota.
  - Tower-Soudan and the Western Vermillion District - led by Dr. David Southwick, Minnesota Geologic Survey.
4. The booth at the Minnesota State Fair. An attractive display emphasizing the activities of GSM was put together. Jeff Garry supplied several attractive photo enlargements of field trips taken "shortly" before the fair,

Welcome   
**NEW Members**

FOR 1985 (OCTOBER 1, 1984 -- DECEMBER 31, 1984)

ALVAREZ, Thomas J. Soil Conservation Service U.S. Department of Agriculture 2000 Federal CTS 319 Robert Street St. Paul, Mn. 55101	(w) 725-7180	CLOTZBACH, Paul 1337 - 84th Avenue Brooklyn Park, Mn. 55444	566-4748
AMBLE, Linda 2615 Park Avenue, Apt. 610 Minneapolis, Mn. 55402	871-2808 Ext. 369	GOHLKE, Frank W. 4005 Carfield Avenue South Minneapolis, Mn. 55409	824-8015
BILEK, P. M. 2310 Taft St. N. E. Minneapolis, Mn. 55418	788-2310	GUNVILLE, Robert 1110 Gardena Avenue N. E. Fridley, Mn. 55432	574-1421
BLOOMQUIST, Vern & Vivian 7600 Golden Valley Road, Apt. 311 Golden Valley, Mn. 55427	593-9040	HANSON, Henry L. & Patricia 449 - 12th Avenue No., Apt. 11 South St. Paul, Mn. 55075	455-5166
BORGHORST, Floyd C. 526 Otis Avenue St. Paul, Mn. 55104	560-6723	MANAUGH, Brenda 3909 - 17th Avenue South Minneapolis, Mn. 55407	729-4538
DANIELS, Jeanne 734 Lakewood Avenue Duluth, Mn. 55804	(218)525-1057	NOVOTNY, Marjorie Route 3, Box 104 Hector, Mn. 55342	(612)629-7180
FULLERTON, Mary H. 2204 Roth Place White Bear Lake, Mn. 55110	429-2514	OSTERDYK, Kelly 440 - 8th St. Pine City, Mn. 55063	
GILMAN, Bruce D. 723 Portland Avenue St. Paul, Mn. 55104	224-8090	PETERSON, Heather 238 E. Wentworth West St. Paul, Mn. 55118	457-2020
		PETERSON, Jeff 320 West Pine St. Stillwater, Mn. 55082	

PHILLIPS, Nell J. 5144 - 27th Avenue South Minneapolis, Mn. 55417	720-3495
RIES, Gary L. 7349 Colorado Avenue North Brooklyn Park, Mn. 55443	
SIEKMEIER, Allan E. & Arlette 1150 Lawn Avenue Mahtomedi, Mn. 55115	426-5712
TOSCANO, James & Sharon 1982 Summit Avenue St. Paul, Mn. 55105	699-1765

ADDRESS CHANGES

DOWNEY, Pearl H. St. Mary's Home, Room 256 1925 Norfolk Avenue St. Paul, Mn. 55116	698-5508
PAULSON, Steve 3050 Old Highway 8, Apt. 123 Roseville, Mn. 55118	633-7605
ROTH, Gerald 2830 Ottawa St. South St. Louis Park, Mn. 55416	926-3612