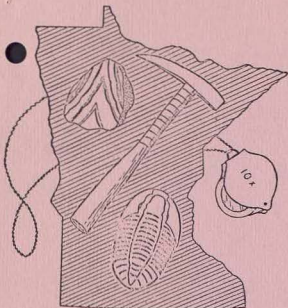


June 1971



Geological Society  
of Minnesota

NEWS



Geological Society of Minnesota

Robert V. Leacock, Editor  
1235 Brighton Square  
New Brighton, Minn. 55112

FIRST CLASS



RETURN REQUESTED

TIME VALUE

CARLSON, DR. & MRS. BERT  
3034-46th Ave. So.  
Minneapolis, 55406 (724-

The GEOLOGICAL SOCIETY OF MINNESOTA is an amateur group that accepts Geology as an absorbing hobby. We solicit and welcome the help and direction of membership from professional ranks, but by and large our approach to the subject is that of the layman. Most of us are not true rockhounds, although we do collect minerals, rocks and fossils. Our main purpose is to promote interest in the study of Geology of the state of Minnesota.

*June 15, 91*

OFFICERS

PRESIDENT	Sam Mayo Box 270, Route 6 Excelsior, Minn. 55331	474-4038
VICE PRESIDENT	Dr. Valentine O'Malley 942 Lowry Medical Arts Bldg. St. Paul, Minn. 55102	222-4421
SECRETARY	Dr. Bert Carlson 3034 46th Ave. So. Minneapolis, Minn. 55406	724-1486
TREASURER	Mrs. Don Tepel 1269 So. Cleveland Ave. St. Paul, Minn. 55116	699-1793
DIRECTORS	Elmer Brown 5225 Zenith Ave. So. Minneapolis, Minn. 55410	922-2438
	Michael Vaclavik 3904 Joppa Ave. Minneapolis, Minn. 55416	926-0185
	Robert Leacock 1235 Brighton Square New Brighton, Minn. 55112	636-2473

\* \* \* \* \*

MEMBERSHIP

TYPE OF MEMBERSHIP:

ADULT	\$ 7.00
HUSBAND & WIFE	\$10.00
STUDENT	\$ 2.00

MEMBERSHIP CHAIRMAN:

Miss Martha Peterson  
3527 Pleasant Ave.  
Minneapolis, Minn. 55408  
Phone: 825-1147

1971

## FIELD TRIPS



Traveling south on US 10 or US 61, take St. Paul Park Exit and cross back over Hwy and turn right, parking along County 22. See Map.



### FIELD TRIP #1

SUNDAY, JUNE 20, 1971

DEPARTURE TIME: 8:30 A.M.

PLACE: APACHE PLAZA SHOPPING CENTER  
37th Ave N.E. & Silver Lake Rd.  
Minneapolis, Minn.

MEET IN PARKING LOT SOUTH OF WARDS STORE

LATER ASSEMBLY POINT: 10:30 A.M. at  
Taylors Falls near the bridge, Minn-  
esota side, free city parking.

PRIMARY AREAS OF INVESTIGATION:

1. The extent of late-Wisconsin Glaciation immediately north of the Twin Cities.
2. The origin of the Anoka Sand Plains.
3. The effects of glaciation on the St. Croix River.
4. The Precambrian and Cambro-Ordovician Geology along the St. Croix River from Taylor's Falls to Marine.

Assisted by Mrs. Donald Tepel, 699-1793

### FIELD TRIP #2

SUNDAY, AUGUST 15, 1971

DEPARTURE TIME: 8:30 A.M.

PLACE: To be announced

PRIMARY AREAS OF INVESTIGATION

1. This trip will concentrate on the Cambro-Ordovician Geology of the Twin Cities Area.

Assisted by Mr. R. Leacock, 636-2473

### FIELD TRIP #2

SUNDAY, JULY 18, 1971

DEPARTURE TIME: 8:30 A.M.

PLACE: PARKING LOT AT MINNEHAHA FALLS

LATER ASSEMBLY POINT: ST. PAUL PARK EXIT  
at 10:30 A.M.

PRIMARY AREAS OF INVESTIGATION:

1. The origin of waterfalls along the Mississippi River in the Twin Cities.
2. The extent of late-Wisconsin glaciation south of the Twin Cities.
3. The effects of glaciation on landform development and rivers south of the Metropolitan area.
4. Glacial geology of carefully selected areas.
5. Post-glacial adjustments of the major rivers in Minnesota.

Assisted by Mr. C.J. Ess, 958-6415

### FIELD TRIP #4

SEPTEMBER 11 and 12

PLACE: Baraboo, Wisconsin

PRIMARY AREAS OF INVESTIGATION:

This trip will concentrate on interpretation of sedimentary environments of Cambro-Ordovician sediments and a preview of field work in metamorphic terrains. It will be a most satisfying and productive field trip.

\*\*A camp site has already been selected for those wishing to camp. Those who will need to make reservations for Motel accommodations are asked to call Beverly Vogt (920-3339) after June 28th, and she will mail them a list of the names and addresses of available motels. Then each individual can make arrangements for the kind of motel he prefers.

Assisted by Mr. Paul Vogt 920-3339



## FIELD TRIPS FOR THE SUMMER OF 1971

This summer's field trips are designed to acquaint you with methods of field study and to obtain knowledge of the geology of the Twin Cities Area (first three trips) and a detailed week-end investigation of the geology of the Baraboo Wisconsin Area. The first three trips will consist of a mixture of:

1. The Precambrian and Cambro-Ordovician geology and
2. the effects of late-Pleistocene climatic changes in Minnesota.

For each field trip, a field trip booklet will be provided at a reasonable cost (to defray expenses). This booklet will contain the information necessary for solving specific problems encountered in the field. It will serve as a workbook which contains many necessary topographic maps, illustrations, diagrams, and topographic profiles. Each individual field trip is designed to place you in the role of the geologist. They will not be the typical "show and tell" entertainment activities. Much of the success of these trips are dependent upon each individual participating in group discussions after each has accumulated the field evidence. You should read over the half-notes obtained during the past year's lectures. Those on rivers, glaciations, igneous processes, climatic effects on landscape development, and Dr. Webers' lecture on the Cambro-Ordovician paleoecology of Minnesota would be most helpful.

It is important that each individual bring the following items:

1. Several colored and plain pencils (no ball points)
2. A straight edge (ruler)
3. Clipboard and paper (graph paper preferred)

Additional items that are not necessary:

1. compass
2. small shovel (one per car is plenty)
3. rock hammer
4. pocket magnifier
5. collecting sack
6. small containers (pint-sized cardboard container is great)
7. camera (to document the field work)  
(35 MM slides will be selected from those taken by members on the field trips. These will be viewed at the Annual Meeting on Sept. 27th.)

Each field trip will build upon data, observations, and understanding that was acquired from previous field trips. For this reason, bring your previous field trip booklets to later field trips. One who attends all three local trips will be much better prepared for the "Climax at Baraboo".

--Richard Bartels, Leader



### INSTRUCTIONS FOR FIELD TRIPS:

Because this year we are trying the experiment of going on our field trips by automobile, there will probably be several people who will need a ride, and, we hope, several people who will be willing to give rides. If you live in the St. Paul area, please call MISS PEARL DOWNEY at 699-4096. If you live in the Minneapolis area, call MRS. MARY BEUCHELE at 827-1495. Let them know if you need a ride or can give a ride. This system cannot work unless we get volunteers. Please cooperate! Cars with only one or two occupants waste gas and space.

A COLLECTION will be taken at each field trip to pay Mr. Bartels for his leadership.

COST: \$2.00 each adult (18 and over)

TRAVEL COST: \$3.00 to the driver of your vehicle for his expenses per day for the one day trips per adult (18 and over)

WEAR SUITABLE CLOTHING and footgear for chilly or rainy weather and bring your noon lunch. We will go rain or shine!

FOR FURTHER INFORMATION on weather conditions or meeting places contact those assistants handling each field trip.

THE FIELD TRIPS should end at approx. 6:00.

PLAN NOW TO ATTEND  
THE  
picnic

RICHFIELD'S



Wood Lake  
NATURE  
INTERPRETIVE  
CENTER

DATE: SUNDAY, AUGUST 8, 1971

TIME: 12:30 p.m.

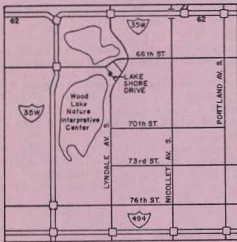
WHO: ALL GSM MEMBERS

BRING PICNIC LUNCH

The 150 acres of Wood Lake features such opportunities as self-guided tours, miles of pathway, open water, marsh, spring, woods, prairie, floating boardwalk, enclosed and open blinds, picnic area, creative play feature, observation decks and buildings.

The marsh which is attracting people to Wood Lake is also attracting a variety of waterfowl, shore birds, and furbearers. The remaining area is made up of hardwood forest and prairie.

LOCATION



ADDRESS: 735 Lake Shore Drive  
Richfield, Minn. 55423

PHONE: 861-4507

THANKS TO MR. MICHAEL VACLAVEK, Chairman of the Picnic Committee, we have been given the opportunity to view and enjoy this new Nature Center on Sunday, August 8th.

LET'S ALL BE THERE !

One of the novelties of Wood Lake is the presence of a Great Horned Owl. He seems to preside in the taller trees along the woods trail. We have adopted him because of his beauty and wildness as our symbol of Wood Lake.

- ADMISSION FREE -

DO YOU WANT A RIDE?

If you live in the St. Paul area and need a ride or will provide a ride, please call Miss Pearl Downey at 699-4096.

If you live in the Minneapolis area, call Mrs. Mary Buechele at 827-1493.

We want everyone to be able to come to the picnic on Sunday, August 8th.

NEW VICE-PRESIDENT

The Board of Directors appointed Dr. Valentine O'Malley to fill the vacancy created by the resignation of Mr. Russell Pool.

# NEW Committees

## PLANNING & EVALUATION COMMITTEE MEETS:

The Society's new Planning & Evaluation Committee met May 25th to begin its charge to review and advise the Board on the Society's current and future activities. To carry out the Society's prime goal "to promote interest in Geology" means the Board and the membership review the manner and ways in which we achieve this goal. What programs, activities and functions can the Society and its membership best engage in to maximally achieve this goal? How? What do you think?

--Paul Vogt, Chairman

Dr. Valentine O'Malley, Dr. J.S. Lewis,  
Lou Eggerichs, Julie Letzke, Mr. & Mrs.  
John F. Gobeil, Committee members.

\*\*\*\*\*

## FINANCE COMMITTEE

DALE JOHNSON.....Chairman  
N.J. Knickerbocker  
Robert Leacock

Mr. Sam Mayo, President, has provided folders for each officer and committee chairman containing their specific duties and in which a monthly log of officers or chairman activities will be recorded. The folders are then to be passed on to the succeeding officers or chairmen.

At the EXECUTIVE BOARD MEETING held May 4 a motion was made, seconded, and approved to ratify the action of the membership on changes made in the by-laws at the annual meeting held April 26, 1971.

## WELCOME NEW MEMBERS

KONOPKA, ANTHONY  
2003 DeSoto Ave.  
St. Paul, Minn. 55117  
(776-2659)

HENRY, MR. & MRS. TERRENCE T.  
6056 West Broadway  
New Hope, Minn. 55428  
(533-8591)

## CHANGE OF ADDRESS

BECKER, MRS. GEORGE R.  
514 Humboldt Ave. #124  
St. Paul, Minn. 55107  
(225-4036)

This brings our membership total to 131.

## 1971-1972 LECTURE SERIES PROGRAMS

We are enclosing two copies of the Society's Lecture Series Programs in with this issue of the Newsletter. One is for your use, so please mark the dates in your personal calendar now.

The other copy (more are available) is for you to give a non-member interested in Geology - invite him to join us.

Also, we want your assistance in getting copies of the programs in libraries, schools, museums, and other sites where persons could find and obtain this information. Will you help distribute these for us? Call 636-2473 and indicate the number of copies you would like to pick up for this purpose. Thank you.

--Robert Leacock, Editor

*We're looking  
for an  
Editor*

After spending two years working with & editing the GSM Newsletter & due to increased demands on my time, this will be my last issue as Editor. Our President is very much interested in obtaining a volunteer who will take over & begin by publishing the next Newsletter due on September 1st.

-- Robert Leacock  
Editor

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