

Geological Society
of Minnesota

NEWS

JULY - AUGUST - 1970

FIELD TRIP



WHEN: Sunday, July 12th

LEADER: Richard Bartels,
U. of M. Geology Dept.

HOW: Chartered Bus

SUBJECT: GLACIAL GEOLOGY of a PORTION OF
MINNESOTA; study of eskers,
drumlins, terminal moraines and
outwash around Motley area.

COST: \$10.50 (approx.) based on 25 passengers

TIME: 8:00 a.m. sharp - St. Paul Bus Depot
8:30 a.m. sharp - Mpls Bus Depot

SUGGESTED STUDY & READING:

- Minnesota Rocks & Waters,
Schwartz and Thiel
- Physical Geology, Leet and
Judson
- Review Topographical maps in
general and development of
Glacial land forms

INSTRUCTIONS:

Wear suitable
clothing and
footgear for
chilly or
rainy weather;
bring noon
lunch.

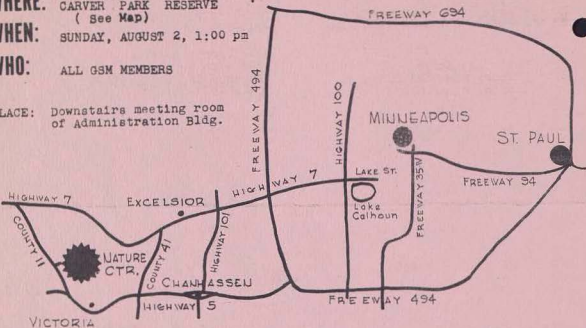
ACT NOW

Make your reservations

CALL Mrs. Tepel at 699-1793, no later than Wed. July 8th.

WHAT: 1970 ANNUAL PICNIC
WHERE: THE NATURE CENTER
CARVER PARK RESERVE
(See Map)
WHEN: SUNDAY, AUGUST 2, 1:00 pm
WHO: ALL GSM MEMBERS

PLACE: Downstairs meeting room
of Administration Bldg.



The Society provides the location and the opportunity; you provide your own food and refreshments. After the meal, if you haven't eaten too much, you can join one of the guided tours of the Nature Center, or take walks on your own. In case of rain, some indoor entertainment will be provided.

Do you need a ride? If you live in St. Paul, call Mrs. S. S. Benson at 229-8965, preferably evenings between 7 and 9 P. M. If you live in Minneapolis, call Mr. Don ("Gemkut") Lantz at 825-6321.

And please, we need people who can furnish rides. If you can, call either Mrs. Benson or Mr. Lantz.

Remember, at the Nature Center there is an entrance fee of \$1.00 per car. So fill your car and save money!

Hope to see you there!

FOR YOU

1970 FIELD TRIPS

- August 16 - Pipestone
QUARTZITE AND GATLINITE
Leader: Dr. Bert Carlson
- September 13- Redwood Falls
GRANITE AND GNEISS
Leader: Charles Howard
- October 7 - Minneapolis
ORNAMENTAL STONE
Leader: Elmer Brown

welcome

NEW MEMBERS:

Mrs. Elsie Ann Berge
2708 Victory Memorial Drive
Minneapolis, Minn. 55412
522-0800

Mr. & Mrs. Bruce Ebner
3928 Central Ave. N.E.
Minneapolis, Minn. 55421
788-7613

Mrs. Gladys Follett
508 Eighth Ave. So.
South St. Paul, Minn. 55075
451-8198

Mrs. Carrie Henvit
1706 -7th So.
Minneapolis, Minn. 55404
333-3808

Mr. Glenn A. Lillie
709 Cheyenne Lane
St. Paul, Minn. 55118
454-4166

PLAN NOW TO ATTEND
THE

**1970 Midwest Federation
Convention and Show**

Minneapolis Auditorium

SATURDAY
JULY
25

10:00 a.m.-9:30 p.m.

SUNDAY
JULY
26

10:00 a.m.-6:00 p.m.

THURSDAY
JULY
23

10:00 a.m.-9:30 p.m.

FRIDAY
JULY
24

10:00 a.m.-9:30 p.m.

WE NEED YOU!

state fair

We will have a booth at the STATE FAIR and will need 20 volunteers to man this for the 10 days of the FAIR. As many members will be going to the FAIR anyway, we hope some will plan to spend extra time at the booth.

Call Ethel Shinek at 823-0169 if you wish to volunteer your time.

MONDAY, AUGUST 24th is the deadline for news material to be printed in Sept.-Oct. GSM NEWSLETTER.
Address all mail to
Robert V. Leacock, Editor
1235 Brighton Square
New Brighton, Minn. 55112

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**BOARD
 OF
 DIRECTORS**
 |

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next meeting

Monday, July 13, 7:30 pm
 Minneapolis General Hosp.

for Library

WILL ALL MEMBERS who are willing to donate copies of past publications of our GSM Society prepare a list of those in their possession and mail to Hal McWethy, Chairman History & Archives Committee 2174 Doswell Ave. St. Paul, Minn. 55108 .

We would like to secure one or two complete files of our publications and will depend upon you to furnish us with these materials.

Also those who have books and pamphlets bearing on geological subjects are invited to furnish a list which they are willing to donate to our Society.

**Hidden Rocks
 and Minerals**

Look for them by reading forward, backward, up, down or diagonally. There are twenty-one (21). See if you can find them all.

Geologists say the earth's hard crust is relatively as thin as the skin on a large apple. Only about 36 miles thick through the continents and dwindling to three miles beneath mid-ocean. The crust floats on the hot, semi-plastic bedrock interior.

C A G R A N I T E L O T
 A B O E B Z T R A U Q A
 O S B L A R D L O G G J
 P L A B S X Y N O A B A
 A A R R A S S T T A S D
 L T I A L A E E R O N E
 I E T M T L E I O N M I
 V E E N A T E T S S R T
 D D L H I O I L M R E E
 A A S C R E P S A J B O
 E J L P Y R I T E A P I
 L A N A I D I S B O O N
 C O R U N D U M J U C K
 R O B E N O T S D N A S

via Gem City Rock News

Robbinsdale Man's Fossil Collection Is School Resource

By NANCY FELLGER

Last week a big, orange school bus pulled up in front of his Robbinsdale home and 20 kids piled out and crowded into a basement room to view walls lined with prehistoric fossils, petrified wood, stones and semi-precious gems.

Louis Eggerichs, 3512 Zenith Ave. N., has one of the largest geological collections in the local area with over 720 classified specimens.

NOW A RETIRED manager of the Metropolitan Life Insurance Co., Eggerichs, 68, is a geological resource person for area schools. About twice a week, he presents a slide show and display to school children around the Twin Cities.

He is currently involved in making tapes and closed circuit television programs for use in earth science classes.

EGGERICHS is primarily interested in fossils with only a secondary interest in mineral collection. "It is exciting to me to break open a rock and find a prehistoric fossil inside," he said while proudly explaining the collection.

"I get a kick out of being the first human to see something over 200 million years old."

His most prized possession is an Ammonite fossil, a snail-like creature he found near Durpre, S.D. For the six-inch reddish colored specimen Eggerich received the 1964 "Fossil Find of the Year" award.

HIS INTEREST in geology started when he was young and looked for arrowheads "as most kids do.

"I worked in a green house and the owner would give us 10¢ for each one we found," he remembered. "But I always kept my finds."

He started collecting specimens in 1938 when he found a fossilized upper rear molar of a prehistoric animal related to the rhinoceros. Not until his retirement in 1962 did his interest result in a fulltime hobby.

HE AND HIS wife, Eva, bought a pickup camper and now spend about three months every year on expeditions around the country. Once a year he meets with friends and travels to Illinois and Ohio in search of tiny 500 million-year-old marine animals called Trilobites.

They have made expeditions to Mexico, Alaska, Arizona, Florida and even hunted fossils on former President Lyndon Johnson's ranch in Texas.

There are so many specimens in his collections he didn't know what to show first. Dinosaur teeth, vertebrae, sheep-like heads and turtle and plant fossils fill every case.

"LOOK THERE," he said pointing to a foot print on a slab of stone. The print was made from a three-toed dinosaur. He even has fossilized shark teeth, found in Minnesota, of all places.

Active last year in getting the Lake Superior agate named as the state stone, Eggerich is a member of the Minnesota Geological Society and the Minnesota Mineral Club.

He has recently been recognized as an official fossil judge

and will soon judge exhibitions and rock shows himself.

"MOST OF my knowledge about rocks and fossils comes from association rather than book work," he explained.

Eggerichs is currently the publicity chairman of the Midwest Gem and Mineral Show to be held July 23 through July 26

at the Minneapolis Auditorium. At the show, sponsored by the Minnesota Mineral Club, he will present his slides and display some of his collection.



MR. AND MRS. EGGERICH AND FOSSIL SAMPLES
Snips and snails and dinosaur teeth

Save!

Mr. Louis Eggerich says to save your Betty Crocker coupons as they are worth $\frac{1}{2}$ cent each towards the AFMS Scholarship Fund.

This is a perpetual fund for Graduate students to help them achieve a master's degree in any of the earth sciences.

The present fund, approx. \$95,000, (10% of this came from Betty Crocker coupons) has been donated by individuals and by earth science clubs.

This year five students will be selected, each to receive two \$500 grants from the Federation.

What have
you done
to curb
pollution
today?

TABLET INSCRIPTION #3

Geology of Minnesota

STILLWATER REGION

* * * * *

The site of this tablet marks the northern limit of Lake St. Croix, impounded by the natural dam of sand and gravel, made by the Mississippi where it is joined by the St. Croix river twenty miles below Stillwater. The valley, with its steep banks, is typical of youthful topography of a young stream and its size compared with the river indicates that a much larger volume of water flowed here when the St. Croix was an outlet of glacial Lake Duluth, the ancestor of Lake Superior.

The highway and picnic grounds occupy a river terrace on which the river flowed at an earlier stage. The rock walls of the valley are chiefly sandstones formed in the sea when it covered Minnesota during the Cambrian period 500 million years ago. Because of the thickness of the beds and the excellence of the exposures along the river, these formations wherever they appear in North America are known as the St. Croixian series.

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TABLET INSCRIPTION #4

Geology of Minnesota

MANKATO REGION

* * * * *

The marker is located near the big bend of the Minnesota River directly opposite the mouth of the Blue Earth River. The abandoned channel east of it is the former course of the Le Sueur before it joined the Blue Earth. Most of the broad valley of the Minnesota was carved out of bedrock prior to the last glacier which came from the northwest and partially filled the valley with debris.

After the glacier melted, the river re-established itself in the old valley. The name Glacial River Warren is applied to the stage when it carried enormous volumes of meltwater from Glacial Lake Agassiz which for a long time occupied the Red River Valley region.

The rocks exposed in this road cut are from bottom to top - Jordan Sandstone, Blue Earth Siltstone, Oneota Dolomite (Mankato Quarry rock) and Glacial Drift of two ages. The lowest rock is about 500 million years old and the upper drift at least 10,000 years.

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GEOLOGICAL SOCIETY OF MINNESOTA MEMBERSHIP FOR YEAR _____

Occupation _____

or

Former occupation _____

and

Other training, interests, or hobbies _____

Name _____

Address _____

City _____ State _____ Zip _____

Telephone _____

Type of Membership:

- Adult \$ 7.00
- Husband and Wife \$10.00
- Student \$ 2.00

Membership Chairman:

Miss Martha M. Peterson
3527 Pleasant Avenue
Minneapolis, Minnesota 55408
Telephone: 825-1147

CLIP AND MAIL TODAY!