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# THE MINNESOTA GEOLOGIST

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OFFICIAL BULLETIN  
OF  
THE GEOLOGICAL SOCIETY OF MINNESOTA

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Article of the Month  
"Geology"

By Edward P. Burch

GEOLOGICAL SOCIETY OF MINNESOTA

531 SECOND AVE. SO.  
MINNEAPOLIS, MINN.

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The Geological Society of Minnesota is devoted to the study of geology and mineralogy for their cultural value.

OFFICERS

Charles H. Preston, President	Edward F. Burch, Director
Elmer H. Brown, Vice President	Eva F. Jones, Director
Alger R. Syme, Secretary	Theo. Zickrick, Director
Joseph S. Zalusky, Treasurer	Edward F. Burch, Counselor

PAST PRESIDENTS

Edward F. Burch  
Junior F. Hayden  
Alger R. Syme

Our Society meets every Monday evening, not a holiday, in the large auditorium in the Museum, on the 4th floor of the Public Library at Hennepin Avenue and 10th Street, Minneapolis, Minnesota, at 7:30 P. M., from October to May. From May until October, we endeavor to have a field trip each week (when gasoline rationing doesn't interfere). Visitors are very welcome. Dues are \$3.00 annually, and \$1.00 additional for your wife or husband, or dependent family members.

PROGRAM 1943-1944

A Course of 18 Lectures on "Historical Geology" by  
Dr. George A. Theil, Prof. of Geology, Univ. of Minn.

- 10-18-43 THE GEOLOGIC COLUMN OR TIME CLOCK:  
The Archeozoic Era, Eli Greenstone Basalts and Soudan  
Iron Formations.
- 10-25-43 THE PROTEROZOIC ERA:  
(a) Huronian Period, (b) Keweenaw Period: Minnesota,  
Soudan Iron Formation and Knife Lake Slates.
- 11-1-43 THE ALGOMAN REVOLUTION:  
Minnesota, St. Cloud and Giants Range Granites.
- 11-8-43 THE UPPER HURONIAN PERIOD:  
Minnesota, Biwabik Iron Formations of the Mesabi Iron Range.
- 11-15-43 THE KEWEENAW PERIOD:  
Minnesota History of the Lake Superior Region.
- 11-22-43 THE PALEOZOIC ERA:  
Minnesota, transgressions of the Cambrian Seas.
- 11-29-43 THE ORDOVICIAN PERIOD:  
Major Geologic and Biological Events of this period.
- 12-6-43 EARLY ORDOVICIAN ROCKS OF MINNESOTA:
- 12-13-43 LATE ORDOVICIAN ROCKS OF MINNESOTA.
- 1-3-44 THE SILURIAN PERIOD:  
Major Geologic and Biologic Events.
- 1-10-44 THE DEVONIAN PERIOD:  
Minnesota, Rocks of the Upper Mississippi Valley.
- 1-17-44 THE MISSISSIPPIAN PERIOD:  
The major Geologic and Biologic events of this period.
- 1-24-44 THE PENNSYLVANIAN PERIOD:  
The coal measures and related rocks.
- 1-31-44 THE PERMIAN PERIOD:  
Closing Geologic events of the Paleozoic Era.
- 2-7-44 MESOZOIC ERA:  
Triassic and Jurassic rocks of North America.

- 2-14-44 THE CRETACEOUS PERIOD:  
With special reference to rocks of Minnesota.
- 2-21-44 THE TERTIARY OR PRE-GLACIAL EVENTS OF THE CENOZOIC ERA:  
The beginnings of the development of the present landscape of North America and of Minnesota.
- 2-28-44 PLEISTOCENE PERIOD:  
Special reference to glacial deposits of Minnesota and neighboring states.
- 3-6-44  
to  
5-1-44 Program for this period will be announced after the first of the year.

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"FIELD NOTES"

Mr. Franklin B. Hanley is very seriously sick at the University Hospital. He was stricken while in charge of important war research work in California. Those who know him, please send him a card with a cheery word or two. Flowers are always welcome to the sick. The Society has extended to him our best wishes for a complete recovery.

Mr. Edward P. Burch spent the summer in and around Boston, studying the geology of that region.

Our President and his genial wife have just returned from a trip to New York City, where they visited with their daughter.

Miss Elsie Hinchley got herself a "bunch of shingles", and now is pretty well patched up. Anyway, she looks better than ever.

Miss Eva Jones spent the summer in Springfield, Massachusetts, doing something entirely different and enjoyed it very much.

Our field trips were rather few this summer, because of gasoline rationing. Geologists all hope the War will be over soon.

Did anyone ever know anyone of such even temperament as Dr. Leslie O. Dart? Nobody we ever heard of has seen him angry or perturbed. Would that we had more Dr. Darts.

The exploration of the old water course of the St. Croix at Taylor Falls, long since abandoned, was well worth the trip. What a thrill for those who went. But some people should learn to distinguish the white pine from the Norway Pine.

This summer we found a half dozen people on the Iron Range who had a real profound interest in Geology, but who have not found a way to learn the fundamental principles of the subject. Wish there was some way to reach out to those in the State not able to be active members of our Society. Maybe a bulletin something like this will lead to something along that line.

Has anyone had any unusual geologic experience this summer? If so, let us hear from you. If you know of an interesting article, or something interesting about our members, pass it on to the Editor.

In 1944, the War will require 1/2 of all our petroleum production. Little wonder we have gasoline rationing - - and we should not complain!

Would you like to make a map? See Joe Zalusky. Would you like to make a model? Mr. Burch would be very glad to give you the necessary pointers. Try it.

Women were so scarce this summer that it was necessary to call in several men to act as proxies at Directors Meetings, and even then, it took the inducement of a grand chicken dinner, wonderfully served by Mrs. Preston to entice them. Frank Rees and Cleve Straight served admirably, after being voted in and out for the occasion, with all due ceremony.

Wonder if Elmer Brown, our Vice President, will ever publish his material on "Building Stones of Twin City Buildings".

If you like Mr. Burch's article in this issue, tell him so, or drop him a card at 1729 James Avenue South, Minneapolis.

The world uses 29,000,000 tons of common salt annually, 35% of which is produced in the United States. Watch next month's issue for a most interesting article on "The Salt of the Earth".



We were once unjustly accused of being "self-appointed" Chairman of the Program Committee. This time, we are again "self-appointed". The difference is that this time, it is absolutely a fact, and ye Editor will have to assume full responsibility for this offense.

This publication, so-called, will no doubt come to you as somewhat of a surprise, but we hope you don't get all excited and expect to receive as lavish a "notice" as this attempts to be.

All this is preliminary to saying that this represents an idea we have long cherished, namely, that our Society should have some kind of a publication by which we can (a) build our organization into a more closely knit body and maintain the interest of our members, and (b) have something tangible to use as a means of interesting others in our work, especially those residing outside the Twin Cities Area. Perhaps something along this line could be issued three or four times a year, perhaps even monthly. There are difficulties, however. First, the expense, and Second, the work involved. One really has no idea of the amount of work required until they make the attempt. We found that out. It could not be financed out of our present dues. If you have any ideas or thoughts on these aspects of this proposal, we would be very glad to hear from you.

But, just to continue the experiment, we will try it again next month.

Our sincere appreciation and a "box of vitamins" to each of the following ladies and gentlemen who assisted in the preparation, printing and mailing of this issue, namely: Joseph Zalusky, Ernie Gravender, Bid Petersen, Irene Mykkeltvedt, Harold Greenup.

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And--Oh Yes, we almost forgot, but don't you forget:

FIRST MEETING OF THIS YEAR

MUSEUM AUDITORIUM, PUBLIC LIBRARY, 7:30 P.M., MONDAY, OCTOBER 11, 1943.

This meeting will be a general get-together, to renew acquaintanceships and talk over things in general. We plan to have a fine exhibit of specimens, maps, models and other matters of interest. There will be several short ten-minute speeches. There may be a surprise or two. Come and bring your family and your friends!

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Dr. Theil's course of lectures will begin on October 18. This course will be given in his usual plain, simple, nontechnical manner. The course is designed to give you an intelligent understanding of the various phases of earth history represented by the usual division of time into eras and periods. Please don't miss a single lecture! Ask any member who has had the course on Historical Geology at the University.