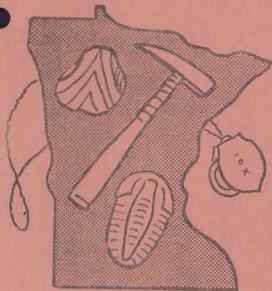


SUMMER -- 1986

Geological Society
of Minnesota

NEWS



Geological Society of Minnesota



MINNEAPOLIS, MINNESOTA

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PLEASE FORWARD



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Eva Selander

NEWSLETTER: May, June, July 1986



Once again, most of this newsletter will be highlighting upcoming Field Trips. Bob Gunville, Dick Uthe and the Field Trip Committee have an excellent set of field trips planned for us this summer. A description of these trips together with the names of the trip coordinators are listed elsewhere in this newsletter. We wish to thank, in advance, those whose efforts have made these fun and exciting trips possible.

The Spring Banquet drew a full house at the Viking Village Smorgasbord in St. Paul. We were treated to an outstanding program featuring Dr. Robert Sloan, Professor of Geology, U of M. Dr. Sloan illustrated his presentation with slides from his recent trip to China. He covered both his field work on dinosaur hunting and some of the cultural life of the Chinese. We would like to thank Dr. Sloan for an informative and entertaining evening as well as his earlier lecture series which so aptly introduced the past year's lecture series.

Your newsletter editors also would like to thank all who have contributed news of our members, field trip information, cartoons, program materials, book reports, etc. Keep it up. It makes for a more interesting newsletter. This month our editor's column would like to feature another poem from Helen deLong Woodward entitled LIFE. Helen has had poems published in a number of anthologies as well as magazines and newspaper.

"L I F E"

What is life?

A flower held for a moment in the hand
A babe's first cry - a funeral knell
sunrise, sunset

A bird's chant and a fallen deer
The ineffable delicacy of a snowflake
The blood of agony

But life is more - the ecstasy of dawn
The thrill of challenge
The satisfaction of accomplishment

A heart's cry answered
The fragrance of friendship

The wonder of the sky

A meeting of minds
The velvet breath of a rose
The flame of courage
The silk of kindness

The sacred stillness of a moment caught
in prayer

The peace of toil
The pure sweet air of contemplation
The quest of humility
The love of God.

Helen deLong Woodward

The above poem was given an "Award of Merit Certificate" with Honorable Mention by World of Poetry. Thanks, Helen, for your contributions.

In Memoriam

Clyde Case, a past president of GSM (1965-1966), died February 29, 1986 at the age of 88. He was a 55 year resident of Island Park. He is survived by Antoinette, wife of 61 years; daughter, Virginia (Holly) and son-in-law, Earl Volkenant; son, Marston & daughter-in-law, Margret and son, Mark and daughter-in-law, Joyce; grandchildren and great grandchildren. Some of our longtime members will remember Clyde and of his support to the GSM.

FIELD TRIP

SUMMER FIELD TRIPS ARE SCHEDULED

Once again the field trips this summer will feature outstanding specialists as they lead us into new experiences as well as a lot of fun. Specialists, some new and some familiar to GSM members, will be interpreting the geology and environment of Glacier National Park, Montana; Pipestone, Minnesota; glacial landscapes of Southeastern Minnesota; and the mid-continent rift between Taylors Falls and Stillwater approximately.

1. Sioux Quartzite/Pipestone - June 21 & 22 (Saturday/Sunday)

Dave Southwick from the Minnesota Geological Survey will lead us on a two-day trip to southwestern Minnesota to investigate the Sioux quartzite and pipestone (catlinite) which crops out there. This is a very old (Precambrian) set of sediments that were later metamorphosed. For further information, contact Jeff Garry (297-0011)

2. Glacier National Park - July 19 - 23 (one week)

Bob Gunville, one of our GSM members who has visited Glacier National Park (and the adjacent Waterton Lakes National Park in Alberta) many times, will lead us on this trip where we look at rugged mountains and the forces which shaped them. For further information, call Bob at 574-1421.

3. Glacial Landscapes of Southeastern Minnesota - August 16 & 17 (Saturday/Sunday)

Howard Hobbs from the Minnesota Geological Survey will lead us on this trip, where we will investigate the landforms and sediments created by continental glaciers which moved through most of Minnesota several times during the last two million years. Was part of southeastern Minnesota spared from the erosion of high ice sheets? For further information about this trip, contact Mary Kimball (644-6429)

4. Mid-Continent Rift - Taylors Falls to Stillwater approximately - September 14 (Sunday)

Howard Mooers who conducts seminars for geologists, is a graduate student at the U of M and highly recommended by Peter Huttelstad of the Geological Survey, will lead the group. Observations will be made of the mid-continent rift, the basalts, the paleozoic and sedimentary rock formations. For more information, call Eva Selander (729-2130)

HINTS FOR FIELD TRIPPERS

Since our field trips are primarily for working rather than sight seeing, the following suggestions are offered:

- 1 / Clothing: Casual and practical, preferably layers that can be added or removed for maximum comfort; comfortable walking shoes or boots. Plastic rain coat and hood.
- 2 / Equipment: Plastic bags, masking tape, pens, note book, geologists hammer.
- 3 / Food and drink: We always have lunch in the field. Bring drinking water as well as other beverage.
- 4 / Optional items: Camera, field glasses, hand lense, rain boots. Rock or fossil identification guides.
- 5 / Overnight: In addition to usual items, plan for more meals in the field with canned or dry foods that do not need refrigeration.
- 6 / Plan to spend the whole day; schedules tend to be flexible. We will return when we arrive.

Note: Minnesota Geological Survey has some booklets on mineral and fossil collecting.

1986 ROSTER AVAILABLE TO MEMBERS

The Geological Society of Minnesota Roster for 1986 has been printed and is available to all members. If you have not received yours yet, see Bob Handschin. A big THANK YOU to Warren Mitchell and Bob Handschin for compiling and producing the new roster. It is a very attractive roster. Thanks again, Warren and Bob.

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The Program-Lectures Committee has put together the 1986-87 Public Lecture Series based on the general theme "Plate Tectonics: The Mobile Earth." The series is divided into four parts:

- Getting Down to Earth: Geological Foundations of Plate Tectonics...Henry Lepp, Macalaster College (2 lectures)
- Basics of Plate Tectonics...Peter Hudleston, George Shaw, and Karen Kleinspehn, U of M (5 lectures)
- Evolution of Life Related to Plate Tectonics...Gerald Webers, Macalaster College, and Nancy Pickett, U of W, Eau Claire (3 lectures)
- Ore Deposits Formed by Plate Tectonics...William Seyfried, U of M, and Sam Sawkins (tentative) U of M (2 lectures)

Watch for the dates in the next newsletter. Members, bring your friends. It looks like another great year. Thanks to the Program and Lectures Committee for a great program.

