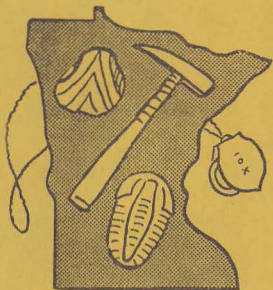


SPRING -- 1986



Geological Society
of Minnesota

NEWS

Geological Society of Minnesota

MINNEAPOLIS, MINNESOTA



FIRST CLASS



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PLEASE FORWARD



Geological Society of Minnesota

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DIRECTORS:

Jeff Garry
Bob Gunville
Goldie Johnson
Marion Marien
Eva Selander

NEWSLETTER: February, March, April 1986



From...
you...

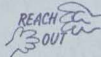
Past-President

In retrospect, 1985 seemed to be a year of reaching out to unexplored regions. For the first time, we had two women professors from the University of Minnesota - Dr. Karen Kleinspehn, Department of Geology/Geophysics and Dr. Margaret Davis, Department of Ecology and Behavioral Biology - lecture to us. They were delightful and provided us with informative

presentations. I hope that we will hear from them again soon, and maybe there are others whom we can invite to participate in our lecture series too.

Our booth at the State Fair seemed to reach out to the fair-goers, and they responded with intense interest in what we had to say and show them. Over 400 persons signed up to receive our newsletter, and over 50 new members have been added to our organization since then.

Also, we now have five gracious people who bring coffee and doughnuts for our break between the lecture and question and answer session. We appreciate this hospitality very much. Everyone is invited to both the coffee and question and answer time.



I hope this is only the beginning of a renewed outreach. The public is there waiting to be included, and I am sure they will respond to your invitation.

Eva Selander, Past-president

HIGHLIGHTS

FROM
THE
BOARD



* * * * *

NEXT YEAR'S PROGRAM! - The Program Committee and Field Trip Committee combined their experiences in planning an exciting series of public lectures and field trips for the coming year. The theme will be centered on the basics and applications of plate tectonics, and we hope that the series will be of

interest to the great numbers of new members. Outstanding speakers have been contacted and many have already made commitments to us for the coming year. For many it will be a great opportunity to get reacquainted with the down to earth subject of plate tectonics.

FIELD TRIPS - In addition to the field trip to Glacier National Park, led by Bob Gunville, several others are being planned (see tentative plans elsewhere in this newsletter). Be sure to sign up at the lecture series and banquet for the field trips to be contacted with additional information.



MEMBERSHIP - Bob Handschin, our membership chairman, reports that we now have 170 members (58 of whom are new members) and still growing. We have a good opportunity to get acquainted with each other during our lecture coffee break and on our field trips. We need to get to know each other better.

PUBLIC INFORMATION - Notices are again appearing in the local newspapers. Look for them. We have had several inquiries of our activities through these publications.

PUBLIC SERVICE - GSM is in contact with the Geological Survey and is considering supporting a display at the I-94 Information Center near Hudson, Wisconsin. This may be a joint venture with the Department of Natural Resources. GSM has sponsored other displays along the interstate highway system.

* * * * *

FIELD TRIP

FIELD TRIP TO GLACIER NATIONAL PARK, WATERTON LAKES NATIONAL PARK: July 21-23, 1986

Leader: Bob Gunville, 574-1421, 1110 Gardena Ave.
Fridley, Mn. 55432.

Accommodations: Camping or hotels, motels - must be situated in or near East Glacier, Montana.

Goals: To develop an integrated knowledge of the trees, showy wild flowers and animals and birds. To look up at the colored bands of rock to an imaginative trip into the geologic past. Observe the ripple marks, and mud cracks to help us visualize the barren tidal flats and shallow water seas which once lapped our continent's edge. Fossil algal colonies will remind us that a billion years ago, the earth was bare of the colorful living beauty which now surrounds us.

Optional: 4-hour walk into a high mountain chalet (Granite Park Chalet) to stay over night - hike is a relatively easy 7.5 mile walk along the "Graden Wall"; flowers and spectacular mountain scenery are featured, an easy walk the next day goes down a magnificent valley.

For more information, call Bob Gunville, 574-1421.

* * * * *

SUMMER FIELD TRIPS IN THE PLANNING STAGES are:

1. One-day trip in the Caves of the Twin Cities
2. Two-day trip to Pipestone National Monument
3. Two-day trip to Southeastern Minnesota (glacial effect in territory of Wright and Olmstead Counties)
4. September 14 - Sunday: "MID-CONTINENT RIFT" Leader: Howard Mooers

Car caravan from Taylors Falls down towards Stillwater to observe the mid-continent rift, the basalts, and the paleozoic and sedimentary rock formations.

Watch this space for more details in the next Newsletter.



MINNESOTA GEOLOGICAL SOCIETY
SPRING BANQUET



MONDAY EVENING, APRIL 28, 1986

Viking Village Smorgasbord
510 Snelling Avenue North (Snelling &
University)
St. Paul, Minnesota

Dinner Buffet begins - 6:00 pm

Evening Program begins - 7:30 pm

GUEST SPEAKER: Dr. Robert Sloan, Professor of Geology, U of M

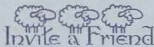
As a recent visitor to China, Dr. Sloan will give us some insights on "Paleontology in China." During our 1985-86 public lecture series, Dr. Sloan, an ever popular GSM lecturer, presented us with an outstanding series on "Earth: 3,000,000,000 Years of Evolution".

An article which describes some of Dr. Sloan's background, interests, and activities, was published in the GMS Winter 1985 Newsletter.

We look forward to hearing from Dr. Sloan.



"Bad news. I hear we're
on the endangered species list."



Cost: \$5.10 (plus tax) per person (includes meal, dessert, beverage and seconds).
NO RESERVATIONS NEEDED. Ample parking space in back of Viking Village and in the
bank parking lot. Viking Village is readily accessible by public transportation.

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Pearl Downey, a GSM member since the 1960's, died January 13, 1986, at the age of 83. She was born and grew up in Butte, Montana, where the Anaconda Copper Company mined "the richest hill on earth" which long supplied a large part of the United States' needs but is now exhausted. She was an enthusiastic field tripper and attended our lectures until a year ago when it became known that she had cancer. We miss her friendly and outspoken manner and her faithful support of the Geology Society of Minnesota.



JANE GOODALL TO SPEAK ON UNIVERSITY OF MINNESOTA CAMPUS

When: May 6, 1986 Hour: 7:00 pm

Where: Northrop Auditorium on the Minneapolis Campus

Topic: "IN THE SHADOW OF MAN"

Jane Goodall is known to millions through her books and National Geographic television programs. Dr. Goodall's studies of chimpanzees provide insights into the roots of human behavior. She is also a leader in efforts to conserve African ecologies.

Dr. Goodall's visit to Minnesota is part of a day-long event celebrating the twentieth anniversary of the College of Biological Sciences at the University of Minnesota. Visitors will be welcome at special open house activities throughout the day. The Bell Museum will open a new exhibit, "Understanding Life's Connections", showing the excitement and breadth of modern biology.

Dr. Goodall's appearance at Northrop Auditorium is sponsored by the James Ford Bell Museum of Natural History, the Biological Sciences Alumni Society of the University of Minnesota, and the L.S.B. Leakey Foundation.

Tickets are available from Dayton's and the Northrop ticket office. Admission is \$8.00 for adults and \$6.50 for students.

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A three-part article entitled "Rising from the Plains" by John McPhee appears in the February 24, March 3, and March 10, 1986 issues of *The New Yorker* magazine. The article is about high-country (Wyoming) geology and a Rocky Mountain regional geologist. These are lengthy articles and for those of you who have access to the magazine may find the articles very interesting.

In the April 1986 issue of *Scientific American* a description of Voyager Two's encounter with Uranus is given. For those who heard Dr. Calvin Alexander at the March 24 lecture on the Satellite Update, this article and two of the pictures of Miranda provide a good summary.



"For heaven's sake, Erroy! ... NOW look where the earth is! ... Move over and let me drive!"

The latest news on the Geological Society of Minnesota sponsored Field Trips for the summer and fall (for GSM members only) are as follows:

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 huge 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)