



SPRING 1989

Geological Society  
of Minnesota

# NEWS

*✓* Beerboom  
*X* Chandler  
*✓* Darling  
*✓* Kaniwetsky  
*✓* Sira  
*X* Meints  
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Geological Society of Minnesota



MINNEAPOLIS, MINNESOTA

FIRST CLASS



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PLEASE FORWARD

MINNESOTA GEOLOGICAL SURVEY  
2642 University Ave W  
St. Paul, MN 55114



# Geological Society of Minnesota

1711 Marshall Avenue, St. Paul, Mn. 55104

## OFFICERS:

Pres. Fran Corcoran  
V.Pres. Walt Blowers  
Sec'y. Janet Mitchell  
Treas. Ed Huppler

## DIRECTORS:

J. Allen Cox  
Goldie Johnson  
Dorothy Kuether  
Bruce Leiding

## NEWSLETTER: FEBRUARY, MARCH, APRIL 1989



FROM - -  
- YOUR -  
PRESIDENT

When I joined the Geological Society of Minnesota four years ago, I didn't know what I was getting into. I joined because the field trips were well advertised at the State Fair. I took Earth Science 101 and Ecology. I liked the field trips. We went to out of the way places, stood around and tried to fill in the blanks in what we saw through scientific exploration and imagination, or vice versa.

As a member of the GSM I have perched on hot rocks amid millions of starving wood ticks, scaled mountains (ok, hills), risked life and limb in razor sharp quarries and been rained on all day so I could learn about where I stood in the world. I actually had fun! We seem to be driven, so to speak, to the most photogenic destinations. To prove my point, 1989 summer possibilities include Brown's Valley, Red Wing, and Jay Cooke State Park.

I didn't know that our lecturers would be distinguished field geologists who had "been there." The lectures are part Geology 101, part Geology 5001, part travelogue and part coffee klatsch. Our lecturers are not only willing but are exceedingly able to provide clear material and field questions for our audience of widely varied sophistication.

A few years ago we explored the earth's tectonic features. Then we celebrated our 50th Anniversary with a season devoted to Minnesota. We are finishing an east to west survey of North America and Hawaii. Next stop - the world. Stay tuned for our 1989-90 world tour of Norway and Antarctica and lots of places in between.

The world, in chunks, will be presented by some of our favorite tried and true world travelers (Peter Hudleston, Robert Sloan, Jerry Webers, to name a few) and some newcomers as well (Emi Ito, Larry Edwards).

We'll be heading off to Australia, the USSR, South Africa, the Southwest Pacific Island Reefs, China and France along with some other unconfirmed destinations.

In addition, we have pencilled in Priscilla Grew, Director of the Minnesota Geological Survey, to showcase Siberian diamond occurrences at our 1990 Spring Banquet.

I didn't know about the geology labs. Since I've been around, we've had hands-on opportunities to identify rocks and minerals, and to negotiate our way around topographical maps. Next season we return to 3 dimensions in 2 labs on landforms.

All in all, I have not been disappointed. I have certainly learned more about geology in the last 4 years than most bankers where I work. One of my favorite things about the GSM is that I can continue educating myself in this fascinating field without taking tests and writing papers.

Let's not keep all this fun to ourselves. Invite your friends, your neighbors, your relatives to become members of the Geological Society of Minnesota. We are very sociable people (this is a society, after all) and we would love to see many new faces mixed in among our friends.





**GEOLOGICAL SOCIETY OF  
MINNESOTA SPRING BANQUET**

**IT'S SPRING - - IT'S SPRING!!!** And once again, that means it's time for the GSM Spring Banquet.

**MONDAY EVENING, APRIL 24, 1989**  
Old Country Buffet

Maplewood Plaza (directly across  
White Bear Avenue from Maplewood Mall)  
(about 2 blocks south of I-694)

Dinner Buffet begins - 6:00pm (eat between 6:00 & 7:30pm). Cost: \$5.95 plus tax.

The lecture will be "Spitzbergen, Norway and Alaska - Conducting Field Geology in Arctic Climates) by Jonathan Pershing, Graduate Student in the Department of Geology and Geophysics from the University of Minnesota.

Remember, it's our **50TH YEAR** - Let's have a great attendance at our Banquet.

Jan Mitchell, Chair  
Social Committee

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A big **THANK YOU!!** to Don Swensrud, Galen O'Connor Swensrud, and Dorothy Kuether for the delicious cakes served at the lecture breaks. The Social Committee greatly appreciates your help and support in our effort to keep the lecture attendees well fed. Again, a big **THANK YOU** and a round of applause to our bakers.

Jan Mitchell, Chair  
Social Committee

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**KEEP UP THE GOOD WORK!**

I'm currently a junior at St. Cloud State University. I'm majoring in geology and am planning on attending graduate school. I've been to GSM's meetings the last 2 years,

but I live in St. Cloud now so I haven't been able to attend any this year. I really wish I could come this year because this year's series sounds excellent. I hope you have another series like this again in the near future. Keep up the good work!!

-Mary Tozer

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**NEW BUILDING ON UNIVERSITY CAMPUS**

The 1989 session of the Minnesota State Legislature has received a recommendation from the U of M Institute of Technology to build a new Earth Sciences and Materials Engineering building on campus.

The new facility would unite the Department of Geology and Geophysics, the Limnological Research Center and the Minnesota Geological Survey with Materials Science Engineering, Advanced Technology Laboratories, the Center for Development of Technological Leadership and the IT Dean's office.

Present facilities for these groups provide inadequate, obsolete office and laboratory space in 7 different locations, one of them off campus.

Required preconstruction funding from the 1989 Legislature is \$2.9 million for the proposed 150,000 square-foot building.

If you would like to express your opinion on this construction proposal, please contact your legislator or Dr. Peter Hudleston, Department of Geology and Geophysics, U of M at 624-1333.

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**FIELD TRIP SIGN-UP**

All members interested in receiving notices for the summer field

trips should sign up during the final lectures or at the annual banquet. If you don't sign up, but wish to receive the notices, call Jan or Warren Mitchell (224-3242) to add your name to the list. The only way to receive the individual trip notices is to sign up!

A reminder to all members: Field trips are self-supporting. All members attending are expected to contribute an equal share for the field trip leader's honorarium and expenses.

Guests who wish to accompany us on our field trips will be charged a \$5.00 fee for each trip, plus their share of the leader's honorarium and expenses.

We have a lot of fun on our field trips, and we welcome all who can join us members and guests alike.

Warren Mitchell, Co-chair  
Field Trip Committee

## FIELD TRIPS



### FIELD TRIPS FOR SUMMER OF 1989:

The Field Trip Committee met with the Program Committee at the Mitchell House on January 21, 1989.

We decided to plan four field trips this summer. There will be two long weekend trips and two short one day trips close to the Metropolitan Area.

#### **WEEKEND TRIP # 1: Jay Cook, Thompson Dam September 15 & 16, 1989**

This area is south a short distance from Duluth along the St. Louis River which empties into Lake Superior. Leader: G.B. Morey, Minnesota Geological Survey.

#### **WEEKEND TRIP # 2: Brown's Valley and Ortonville - June 17 & 18, 1989**

Leader: Charles Matsch (UMD), an outstanding field trip leader.

#### **ONE DAY TRIP # 1: Red Wing's Barn's Bluff, Frontenac State Park - July 29, 1989**

Leader: Connie Samsone who has written "Minnesota Underfoot", A Field Guide to the State's Outstanding Geologic Features.

#### **ONE DAY TRIP # 2: (tentative) - August**

Warren Mitchell, Chairman

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THANKS THANKS!  
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THANKS A HEAP!

to all of you who have become members in 1989. Your support is needed and greatly appreciated.



### **NEXT YEAR'S PROGRAM:**

The lecture series for the 1989-1990 program has been established. The theme will be centered on "AROUND THE WORLD IN TWELVE LECTURES" - OVERVIEW OF WORLD GEOLOGY

- Sept. 25:** Annual Meeting (Program: GSM  
Summer Trips) - Location TBA
- Oct. 16:** South America -Frederick Sawkins,  
PHD, Geology Department, UM
- Oct. 30:** Antarctica -Gerald Webers, PHD,  
Geology Department, Macalester College
- Nov. 6:** Laboratory: Glacial and Desert  
Landscapes -Dick Uthe, PHD, 322  
Appleyby Hall, UM
- Nov. 13:** Australia -Christian Teyssier,  
PHD, Geology Department, UM
- Nov. 27:** Western Pacific Ocean: Island  
Arc Volcanism -Emi Ito, PHD, Geology  
Department, UM
- Dec. 11:** Southern Pacific Ocean and  
Caribbean Sea: Coral Reefs and  
Quaternary Climatic Change -Lawrence  
Edwards, PHD, Geology Department, UM
- Jan. 8:** Southern China -Robert Sloan,  
PHD, Geology Department, UM
- Jan. 22:** Laboratory: Stream, Shoreline,  
and Volcanic Landscapes -Dick Uthe,  
PHD, 322 Appleyby Hall, UM
- Jan. 29:** Northern China -Robert Sloan,  
PHD, Geology Department, UM
- Febr. 12:** USSR: Geologic Highlights of Lake  
Balkal -Priscilla Grew, PHD, Minnesota  
Geological Survey
- Febr. 26:** Scandinavia and Great Britain-  
Peter Hudleston, PHD, Geology  
Department, UM
- Mar. 12:** France and the Alps -Christian  
Teyssier, PHD, Geology Department, UM
- Mar. 26:** South Africa -Frederick Sawkins,  
PHD, Geology Department, UM
- Apr. 9:** India: The Darwar Craton -  
Frederick Sawkins, PHD, Geology  
Department, UM
- Apr. 23:** Spring Banquet: Diamonds in  
Siberia -Priscilla Grew, PHD,  
Minnesota Geological Survey

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