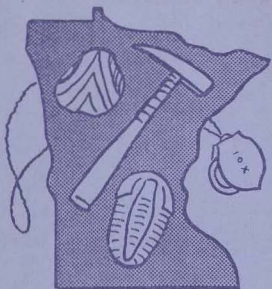


SPRING 1985



Geological Society  
of Minnesota

NEWS

Geological Society of Minnesota

MINNEAPOLIS, MINNESOTA



FIRST CLASS



EDITORS:

GEORGE AND GOLDIE JOHNSON  
5146 - 197th Avenue N. E.  
Wyoming, Minnesota 55092

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2206 Caroline Lane  
South St. Paul, Mn. 55075

PLEASE FORWARD



# Geological Society of Minnesota

1711 Marshall Avenue, St. Paul, Mn. 55104

## OFFICERS:

Pres. Eva Selander  
V. Pres. Warren Mitchell  
Treas. Dwight Robinson  
Sec'y. Marlys Lowe

## DIRECTORS:

Jeff Garry  
Bob Gunville  
George Johnson  
Jack Nesheim  
Dick Uthe

NEWSLETTER: March and April 1985



We would like to make this newsletter informative, persuasive and entertaining. If you have a bit of news of events or of our out-of-town friends or members who may need a little "cheering" up while recovering from an illness, please let us know. Recently, we were thrilled to get a letter from GSM members Bob and Joan Leacock in Prescott, Arizona. Most of that letter is reprinted elsewhere in this newsletter.

Also, if you run across a poem, cartoon, puzzle or anything that might make this newsletter meet some of the objectives listed above, please send them on to us. Most of you have traveled extensively throughout this land. If you have seen or read something that might be interesting to the general membership, please pass that along too. Together we'll make this newsletter worthy of your time to read and use it.



-George and Goldie Johnson



## HIGHLIGHTS FROM THE BOARD - - - - -

NEXT YEAR'S PROGRAM - An exciting series of public lectures is beginning to shape up. We will be hearing from some of our outstanding speakers on topics which haven't been touched for several years. Watch for more news on this in the next newsletter.

FIELD TRIPS - Plans are being firmed up for this coming summer's field trips. Again interesting experiences are in store for us.

MEMBERSHIP - Membership to date has remained constant numerically. There is still a chance that we may surpass last year's total. Work is progressing rapidly now on the Membership Directory which should be available for distribution by Banquet time.

PUBLIC INFORMATION - Many have missed seeing our meeting notices in the paper. As you may have noticed we now have had notices in a wide variety of local newspapers and publications. Look for them.

FAIR BOOTH - Ideas are being explored for an exciting exhibit at the State Fair time next August/September.

PUBLIC SERVICE - Dick Uthe gave two geological talks at the Robinsdale-Crystal school and Conrad Nelson gave a presentation on a Grand Canyon trip at Willow Elementary School.

\* \* \* \* \*

Sunrise should be videotaped for later viewing so more people could enjoy it....



# Banquet

## MINNESOTA GEOLOGICAL SOCIETY SPRING BANQUET - - -

MONDAY EVENING, APRIL 22, 1985

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

DINNER BUFFET BEGINS AT 6:00 pm  
EVENING PROGRAM BEGINS at 7:30 pm

GUEST SPEAKER: Photographer Frank W. Gohlke



MOUNT ST. HELENS: A PHOTOGRAPHER'S RESPONSE is the title of Frank Gohlke's talk. Frank, a member of our Society, presented a related photographic show entitled "Mount St. Helens: Work in Progress" in October and November 1983 at the Museum of Modern Art in New York City. From those who know of Frank's photographic talents and his experiences in obtaining the fabulous photographs of this major geologic event, we have been told that we are in for an interesting evening. We look forward to hearing from Frank and to see his work.

**COST:** \$4.95 per person (includes meal, dessert, beverage and seconds). **NO RESERVATIONS NEEDED.** Ample parking space in back of Viking Village and in Bank Parking Lot. Viking Village is readily accessible by public transportation.

LABORATORY SESSION RESCHEDULED - - -

The lab session covering TOPOGRAPHIC MAP INTERPRETATION OF RIVER AND GLACIAL LANDSCAPES was not held earlier because of the big snowstorm. This lab session, conducted by Dick Uthe, Geology Professor, General College, University of Minnesota will be held in Appleby Hall, Room 104, U of M Campus (East Bank) on:

MONDAY EVENING - April 1 - 7:30 PM  
\* \* \* \*

NEW DIRECTOR - - -

Jeff Garry has been selected to fill out the term held by Wilbur Hill. Wilbur says that he has not been up to par as much as he would like to be. We appreciate the work he has done on the board, and hope that he will feel up to par with some needed rest. We welcome Jeff to the Board and hope that he finds the activities challenging.

\* \* \* \*



ETHEL SHIMEK  
MARJORIE McGladry

We look forward to your return to active participation in GSM.

\* \* \* \*

OUT AND ABOUT: Joan and Bob Leacock, GSM members retired in Arizona, have signed up for a course this semester in "Geology of Northern Arizona" at the community college in Prescott and will be attending an April Elderhostel program in Cedar City, Utah at the Southern Utah State College. "Geology of Southern Utah" is the week-long subject, with field trips to nearby geological formations.

We hope you are enjoying retirement as much as we are. We're finding so many interesting activities that we wonder how we ever worked and participated in all we did back in MN. Bob is Sec/Treas. of the hiking club here in Prescott, and we hike just about every weekend-hiking into the mountains, and discovering areas (old mines, ghost towns, indian ruins, petroglyphs) we never would find on our own.



My job as Exec. Secretary for Yavapai County Contractors Assn. keeps me busy as I, too, put out a monthly newsletter, take minutes at meetings and also "keep the books". Sometimes these part-time jobs turn into full-time ones before you know it. I have my office at home so I can work as the need arises.

We were able to get together with Al and Barb Lundgren last winter when they were in Tucson - went birding in Ramsey and Madera Canyons and viewed some of their outstanding micro-crystals they collected in and around the Tucson area. They are a very interesting couple.

We had a wonderful two weeks in Tampa, FL, over the holidays with our oldest son, Tom, and family (3 grandchildren). Took in EPCOT and visited with Bob's brother and nieces also. We're expecting two couples from MN for visits in Feb. (different times) and friends coming to Phoenix in March who want us to come down. All in all, we don't lack for things to do.



Reading Bob and Joan Leacock's letter reminds us of our visit to the Arches National Park in Southeastern Utah. There we discovered a book entitled DESERT SOLITAIRE: A Season in the Wilderness by Edward Abbey.

The following is from the jacket of the Peregrine Smith edition. A word of warning! Once you start reading Edward Abbey, you will become addicted to him. He's fantastic, if that's the word for it.

DESERT SOLITAIRE is the remarkable twentieth century evocation of the rugged western beauty and spirit of the Colorado Plateau region. The high redrock desert of South-eastern Utah is to Abbey and many others "the most beautiful place on earth," the "edge of the world."

In the 1950s Edward Abbey spent three summer seasons as a ranger in the then undeveloped Arches National Park. DESERT SOLITAIRE records his recollections and impressions of that experience. The natural history as well as the colorful human culture are keenly described in this popular book. Here also is a strong political polemic for wilderness, against industrialism and "growth for growth's sake." But, above all, it is the author's ability to portray the effect of this harsh, sparse, beautiful land on the human spirit that has made this volume into an enduring classic.

The Peregrine Smith edition provides a new opportunity for lovers of the wilderness and admirers of Abbey's writing to own this seminal book in an attractive, yet inexpensive hard cover edition. It incorporates the author's corrections and minor revisions and also a new introduction. It is handsomely illustrated with original drawings by the author and also contains eight photographs by Gibbs Smith depicting some of the major natural features discussed in the book.

-George H. Johnson

\* \* \* \*



Welcome New Members for 1985 (December 16, 1984 - March 23, 1985):

BLOWERS, Walter J. 2040 Laurel Avenue St. Paul, Mn. 55104	645-3553
GREEN, Stephanie N. 5409 W. Highwood Drive Edina, Mn. 55436	938-2015
GRIMES, Burt 2928 Dean Parkway Apt. 3A Minneapolis, Mn. 55416	925-3377
HILL, Wilbur & Vernice 2866 Dellwood Ave. N. Roseville, Mn. 55113	633-6074
KEMPER, Robert F. 14060 30th St. N. Stillwater, Mn. 55082	439-0960
METZ, Dr. Donald D. (w) c/o Robbinsdale Clinic 3819 W. Broadway Minneapolis, Mn. 55422	533-2534
MYSTER, James E. 1063 17th Ave. S. E. Minneapolis, Mn. 55414	378-9040
PODOLINSKY, John P. 10226 Mildred Terrace Minnetonka, Mn. 55343	544-1457

\* \* \* \* \*



A big **Thanks** to all of you who have been bringing coffee and doughnuts for our lecture series.

# ROADSIDE GEOLOGY

Answering "the kinds of questions we thought might occur to an observant person interested in his environment but too busy to spend weeks distilling answers from the technical literature."

• **Roadside Geology of Washington, David Alt and Donald Hyndman**

The geology of Washington is a story of islands—micro-continents—coming in from the sea. Two hundred million years ago most of Washington was two large islands, each one a scrap of continent lying somewhere in the vastness of the Pacific Ocean. One after the other they docked onto the North American continent, each adding its distinctive bit to the complex geologic and geographic mosaic of western North America. Illustrated, 6x9  
ISBN 0-87842-160-2, \$9.95

• **Time, Rocks, and the Rockies, Halka Chronic**

On the backbone of the continent, Rocky Mountain National Park is a place of handsome peaks and glacier-gouged canyons, of forests, meadows, lakes, and streams. This guidebook focuses on the roads and trails of the park, pointing along the way to the evidence of processes that have shaped the Rocky Mountains in the past and continue today. Illustrated, 6x9  
ISBN 0-87842-172-6, \$7.95

• **Roadside Geology of Colorado, Halka Chronic**

Colorado's story, which begins billions of years ago, involves tremendous forces working deep within our earth. It involves rain and snow and desert wind, washing seas, and creeping tongues of ice. 336 pages, illustrated, 6x9  
ISBN 0-87842-105-X, \$9.95

• **Roadside Geology of Oregon, David Alt and Donald Hyndman**

The continent moving slowly westward, and the floor of the Pacific Ocean sliding beneath its western edge is what created Oregon and this book tells how it happened. 284 pages, illustrated, 6x9  
ISBN 0-87842-063-0, \$9.95

• **Roadside Geology of Texas, Robert Sheldon**

The story of Texas is one of advancing and receding seas, great intrusions of ancient rocks, the complete reversal of the positions of the oceans and the land, and subsiding sea basins which received many tens of thousands of feet of sediment. 202 pages, illustrated, 6x9  
ISBN 0-87842-103-3, \$6.95

• **Roadside Geology of Arizona, Halka Chronic**

The rise of mountains and the spread of deserts has marked the geologic history of Arizona. The landscapes we see today are here because of landscapes of the past, and because of tremendous forces deep within the earth. 320 pages, illustrated, 6x9  
ISBN 0-87842-147-5, \$9.95

• **Roadside Geology of Northern California, David Alt and Donald Hyndman**

Sand and mud bulldozed from the ocean bottom and jammed against the continental margin have become California, one of the newest parts of the continent. 256 pages, illustrated, 6x9  
ISBN 0-87842-055-X, \$9.95

• **Roadside Geology of the Northern Rockies, David Alt and Donald Hyndman**

This book covers the mountain regions from the Canadian border to southern Idaho, with special chapters on Glacier and Yellowstone national parks. 282 pages, illustrated, 6x9  
ISBN 0-87842-029-0, \$9.95

• **Rocks, Ice & Water, David Alt and Donald Hyndman**

Noting that "scenery has its foundation in geology, and magnificent scenery is usually built on spectacular geology," the authors designed this book as a tourist guide to full appreciation of Waterton-Glacier National Park's natural splendor. 112 pages, illustrated, 6x9  
ISBN 0-87842-041-X, \$4.95

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## Geological Society of Minnesota

1711 Marshall Avenue, St. Paul, Mn. 55104

( NON PROFIT ORGANIZATION )

March 25, 1985

FOR IMMEDIATE RELEASE

Geological Society of Minnesota is sponsoring a free lecture April 8, 7:30 pm in Room 170, Physics Building at the University of Minnesota. The lecture presented by Dr. Joseph Shapiro, Limnological Research Center, University of Minnesota is entitled LAKES: FUNCTION AND DYSFUNCTION. This is the second of two lectures on GEOLOGIC ENVIRONMENTS: TROUBLE IN "RIVER CITY".

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TEEVEE  
WEATHER  
FORECAST

