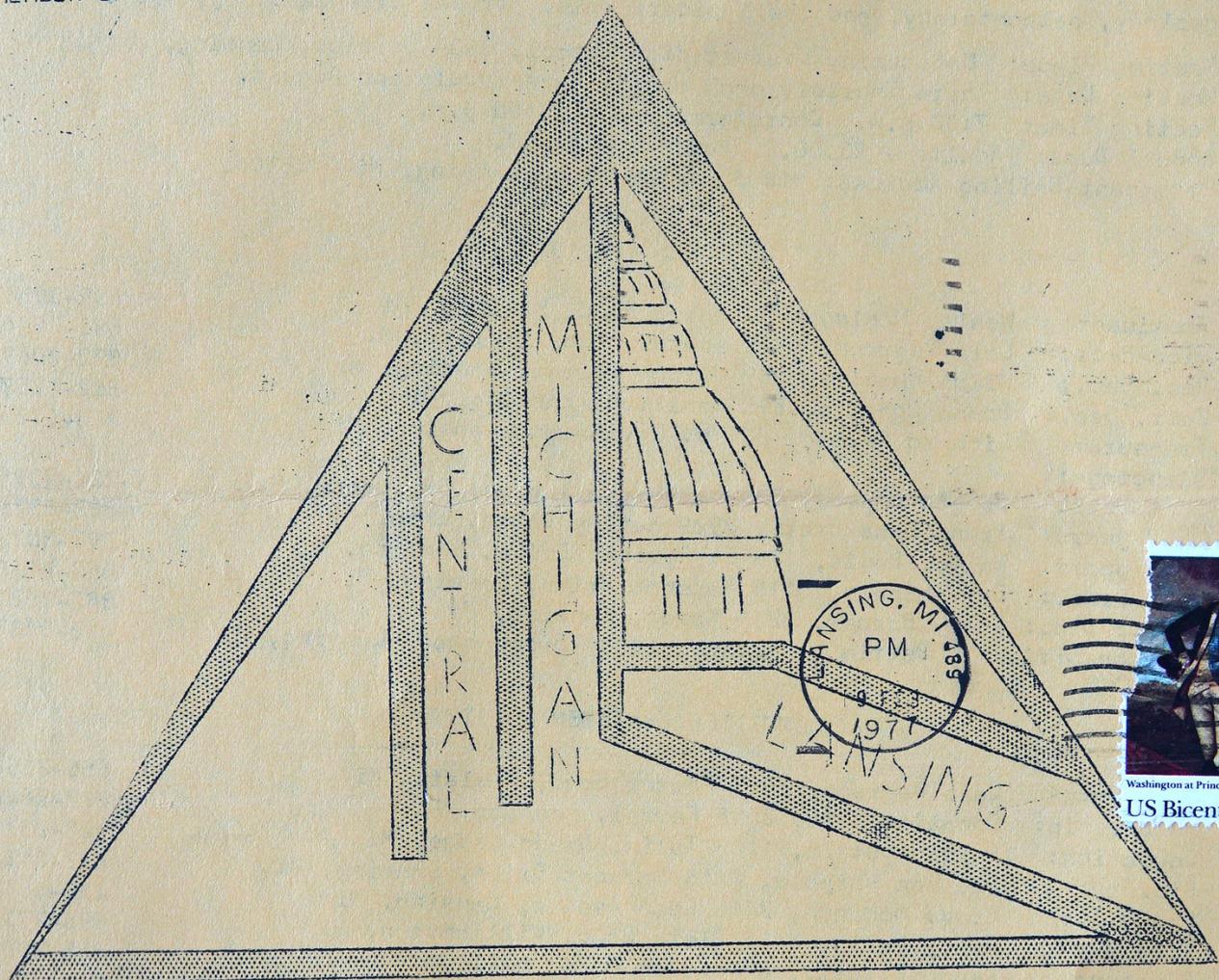


ROCKHOUND NEWS

Official Publication of
CENTRAL MICHIGAN LAPIDARY AND MINERAL SOCIETY
MEMBER OF MWF AND AFMS



Return to
14933 Brown Road
Lansing, Mi 48906

TIME VALUE

Ernest J. Fulton
615 West Street
Eaton Rapids, Mi 48827

ROCKHOUND NEWS

This bulletin is the official publication of the Central Michigan Lapidary and Mineral Society of Greater Lansing, Michigan. It is published the second week of each month, except July and August.

The Central Michigan Lapidary and Mineral Society is a non-profit organization, meeting to promote interest and increased knowledge in the fields of mineralogy, geology, paleontology, and the lapidary arts. It was organized May, 1957.

Meeting Place: Cafeteria, Everett High School, 3900 Stabler, Lansing, Michigan.

Meeting Date: Third Thursday each month, except July and August.

Meeting Time: 7:30 p.m. Doors are open at 7:00 p.m.

Annual Dues: Adults - \$3.00. Students - \$1.00.

Permanent Mailing Address: 14933 Brown Road, Lansing, Mi 48906.

OFFICERS FOR 1977

President:	Wesley Manley, 700 Barry Road, Haslett, Mi	655-3854
Vice-Pres.:	Lola Pearson, 6975 Foster Road, Haslett, Mi	655-2554
Rec. Sec.:	Wilma Hopkins, 229 Julian Street, Lansing, Mi	372-2089
Corr. Sec.:	Bonna Roberts, 815 Hamilton, Lansing, Mi	882-1257
Treasurer:	Richard Saxman, 201 W. Cavanaugh, Lansing, Mi	393-1725
Directors:		
1 year:	Bessie Rogers, 234 W. Marshall Road, St. Johns, Mi	517-224-7596
2 years:	Irene Jane Brett, 2929 Manley Drive, Lansing, Mi	882-8376
3 years:	Walter Davis, 119 E. Syringa Drive, Lansing, Mi	393-3020
Past Pres.:	Eva Whipple, 6115 Marscot Drive, Lansing, Mi	882-8136
Roster Sec.:	Sally Barber, 3215 Karen, Lansing, Mi	882-7621
Liaison Officer:	Bettie Patterson, 14933 Brown Road, Lansing, Mi	482-3437

COMMITTEE CHARMEN - 1977

Program:	Lola Pearson, 6975 Foster Road, Haslett, Mi	655-2554
Membership:	Donaline Nutt, 2008 Ferrol, Lansing, Mi	882-5646
Education:	<u>Martin Sotala</u> , 1105 Tulip, Grand Ledge, Mi	627-2331
Library:	Preston Whipple, 6115 Marscot Drive, Lansing, Mi	882-8136
Field Trip:	E. W. McMahon, 2410 Leon Avenue, Lansing, Mi	489-4640
Display:	Nancy Smith, 3435 Dietz Road, Williamston, Mi	655-2736
Finance:	Kenneth Kurtz, 800 Frost Road, Williamston, Mi	655-2051
Publications:	Florence Hill, 3135 Okemos Road, Mason, Mi	349-3554

Material in this bulletin may be used by others, provided acknowledgment is made of the source and author. All copy for an issue must be in to the editor by the first Thursday of each month.

FROM THE PRESIDENT

My year as President is coming to an end and this will be my last message as President. I hope all of you have enjoyed this past year as much as I have. I know Preston and I have both made a lot of new friends and have really enjoyed participating in the various activities of this wonderful club. I want to thank one and all of you for your wonderful cooperation, I never could have done it without all of you. Hope to see all of you at our Annual Banquet. I am very sure everyone will enjoy the program by Robert B. Wells as well as the wonderful food.

Eva Whipple

* * * * *

ANNUAL BANQUET --- Thursday, January 20, 1977

PROGRAM -- Photo Concertos -- "Bless This House"

The speaker for the evening will be Robert B. Wells, a science teacher in the Monroe Public Schools whose hobby is photography. He will present this program using three projectors and stereophonic music. This will be a very interesting program to mark our Twentieth Annual Banquet.

Eugene W. McMahon brought to us some beautiful pictures of the Lake Superior Geology Tour for the December Meeting. He closed his presentation with shots of some of our own very dedicated rockhounds, working diligently collecting pyrite... or was it oil?

* * *

LIBRARY

Preston Whipple

Just a reminder that there will not be a Library Table at the Banquet, so you can keep those books for another month. If you have material that you want to return before the February meeting or if there is something in particular you wish to take out, feel free to come to our home to pick it up. Might be a good idea to call first to make sure someone is at home.

ANNUAL BANQUET

Sharon Davis, Chairman

The EML&MG Annual Banquet will be held in the Everett High School Cafeteria on Thursday, January 20, 1977 at 6:30 PM.

Members will be contacted by phone or by mail concerning covered dishes to be brought.

Dishes to be chosen from are:

Main dish casserole (with or without meat)
Baked Beans
Hot vegetable or Vegetable casserole
Salad
Relish Tray
Dessert

The menu has been changed slightly this year in the hope that we can have a broader variety of dishes. As in the past, the club will furnish the meat, bread and butter, and beverage.

1. Bring a complete table service for every person that comes. That is yourself and all your guests.
2. For every two people in your party, please have a dish large enough to serve ten people.
3. Put your name on all covered dishes and serving pieces so none will be misplaced.
4. If you bring a hot dish wrapped up, please write on the sack or paper the name of the contents. This will help get the dishes distributed among four serving lines.
5. If you bring a dish that needs to be cut, PLEASE CUT IT before you come. This takes time and more volunteers.
6. Since decorations are few, we encourage everyone to bring a brag rock to help stimulate interest.

A reminder for board members: Please bring two extra place settings, and an empty coffee pot (to have coffee available on the tables and expedite coffee serving.) With the high cost of coffee, we want to enjoy it to the last drop.

There also will be the traditional appetizer table (cheese, crackers and punch) available. Near the guest table will be several displays to be enjoyed until time for the banquet to begin. Please be considerate of others and step back from the appetizer table so others can see it and enjoy it too.

We are allowed to enter the school to decorate tables at 3:00 P.M. that afternoon. Anyone wishing to help with the set-up and decorations the afternoon of the banquet or help at the banquet itself, please contact me, 393-3820.

Members of the calling committee are:

Ruth Eckhardt	pages 1, 2, 3
Donaline Nutt	pages 4, 5, 6, 7
Mary McMahon	pages 8, 9, 10, 11, 12
Donna Lay	pages 13, 14, 15
Cleora Purtill	pages 16, 17, 18
Wilma Hopkins	pages 19, 20
Sally Barber	New members and out of town people.

We will need your help to make this banquet as enjoyable and successful as those in the past.

FIELD TRIP - Sharon Davis

The January Field Trip will be a slide program at the home of Walter and Sharon Davis, on January 22, 1977. There will be slides of various club activities and field trips in the past two years. We also hope to have some slides of mineral specimens by another club member. The time will be 7:00 P.M. and refreshments will be served.

SAFETY - Sharon Davis

This is a good time of year to check through the house and shop for safety of all types. Equipment needs to be maintained, electrical cords, plugs and wiring checked, exhaust systems, first aid kit, fire extinguishers, etc.. Let's start the new year safely.

January 1977

ROCKHOUND NEWS

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MEMBERSHIP - Milo and Ruth Hillis

Membership renewal

Perry Foremen
1024 W. Genesee
Lansing, Michigan 48915
489-6265

New Members

John Anthony Taranto, Student
3370 Skyway
Williamston, Michigan 48895
655-1644

Ron and Helen Taylor
513 Richard Ave.
Lansing, Michigan 48917
372-3104

Margaret Collins
23985 E. LeBost
Novi, Michigan 48050
313-476-2596

CORRESPONDING SECRETARY - Eleanor Owens

Several members have been ill at home this past month, including Al Purtill, Ruth Hillis, Irene Brett, and Angie Godfrey. Mrs. Ruth Rouse is home and recovering from surgery.

The club received a Christmas card and note from Lloyd Conklin saying that Irene is improving and responding to therapy. She has been transferred to the Medicenter of America
531 W. Thomas Rd.
Phoenix, Arizona 85353
Room 305-2

Harold Martin was in the Ionia County Memorial Hospital at Christmas time.

Tennyson said, "knowledge comes, but wisdom lingers".

EDUCATION - Bill Gardiner

Ken Kurtz will begin teaching a class in carving beginning January 27, at 1:30 P.M. at his home, 800 Frost Rd., Williamston. For further information call Ken, 655-2051 or Bill Gardiner 655-3608.

ROSTER SECRETARY - Sally Barber

Remember we will not be taking dues at the January meeting. You may mail them to me. Make checks payable to CML&MS.

Sally Barber
3215 Karen St.
Lansing, Michigan 48910

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FOR SALE

CML&MS has one slope front display case for sale. The price, \$19.95 plus bulbs. Walt Davis has it at his home. If you are interested call Walt at 393-3020

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IRON

Growing populations and two world wars depleted natural ore deposits of higher iron content. Search for feasible techniques using lean "taconite" ores was intensified in 1940's, as well as exploration for new iron ore sources.

Iron is readily recycled because it can be separated from other materials magnetically; iron and steel scrap is an essential ingredient in most steelmaking operations.

GARNET

January Birthstone

I have read that the only light in Noah's Ark came from a huge red Garnet. Also, garnet bullets were used by the Hanzas while fighting British troops on the Kasimir border in 1892, which they believed would inflict bloodier, more damaging wounds.

Garnets have long had a mystical significance related to blood because of their red color. However, garnet is not a single color nor a single mineral species. Garnets can also be green, purple, brown, black or orange and are a group of minerals with similar chemical compositions and slightly different properties. Their crystal structures are very much alike, belonging to the isometric system, their hardness is 6.5 to 7.5, their streak white and they have no cleavage.

The name Garnet is from the Latin "granatus" meaning "like a grain", directly from pomegranate, the seeds of which are small, numerous and red and the flesh a bright purplish-red.

The Garnet Group includes a series of important sub-species with the same general formula, an orthosilicate, but elements present differ widely and with many intermediate varieties. Dana lists them as follows:

- I. Aluminum Garnet
 - A. Grossularite $Ca_3Al_2(SiO_4)_3$
Calcium-Aluminum Garnet
 - B. Pyrope $Mg_3Al_2(SiO_4)_3$
Magnesium-Aluminum Garnet
 - C. Almandite $Fe_3Al_2(SiO_4)_3$
Iron-Aluminum Garnet
 - D. Spessartite $Mn_3Al_2(SiO_4)_3$
- II. Iron Garnet
 - E. Andradite $Ca_3Fe_2(SiO_4)_3$
Calcium-Iron Garnet

- (1) Ordinary
- (2) Magnesian
- (3) Titaniferous
- (4) Yttriferous

III. Chromium Garnet

F. Uvarovite $Ca_3Cr_2(SiO_4)_3$

Garnets, of course, are used widely as semi-precious gem stones, but their most common use is as an abrasive and they are heat-treated to improve their hardness.

Garnet is usually an accessory rock-making mineral, being found in a great variety of rock types, more particularly in mica, hornblend, and chlorite schists and in gneiss; in crystalline limestones and in contact zones; also in granite, syenite, and occasionally in various volcanic rocks; sometimes in serpentine. It also, at times, is found in massive form as a prominent constituent of a rock. The particular mode of occurrence is largely dependent on the chemical composition of the garnet in question.

Garnets are often altered to chlorite, serpentine and even limonite. In Michigan, this altered chlorite garnet, or Aphrosiderite, is found near Michigamme in the Upper Peninsula.

Submitted by
Bettie Patterson

It is said that the wearing of the Garnet assures one of an imperial bearing for it is thought to be a stone fit for the Gods.

Freezing Points.....from Readers Digest

Igloo: domicile
Sleet: slip cover
Flu Season: hoarse and buggy days
Snowmen: crystal critters

from The Washington Scene
by Kenneth Zahn, President AFMS

H.R. 8435, H.R. 13777 and S.507 were combined in one final bill which is now law. The "Federal Land Policy and Management Act" (P.L. 94-579, 94th Congress of 1976) passed October 21. H.R. 8435 is non-existent. Protesting is a bit late. Any letters should have been written several months ago.

Let me now urge you to read it carefully. It is 28 pages of fine print which will give Congress, Interior and Agriculture Departments, State and Local governments a lot of control of our mineral collecting. How the law is administered will now be our real concern since there is no provision for the mineral hobby comparable to the commercial mining interests. Moreover the "term wilderness as used in Section 603 shall have the same meaning as it does in Section 2 (C) of the Wilderness Act," (78 Stat. 890; USC 1131-1136). Whenever land is classified wilderness, no collecting and no use of vehicles.

The law provides controls on withdrawals, conveyances, reports to Congress and enforcement authority to name just a few. Although withdrawals must be published in the Federal Register we all are aware of some of the problems we have experienced in the past where lands have been closed and members most affected did not learn about it until too late.

Although the law deals with commercial mining regulations it will probably be issued controlling hobby collecting, now that various agencies have written authority. Interior must now inventory all lands, classify them, and manage them with the help of Agriculture. I anticipate problems, for example a fossil collecting site might be classified as an area to be preserved for future study. The Bureau of Land Management has broad management and enforcement authority, charging of fees and costs of land use,

regulation of mines and abandoned dumps, grazing fees and most important to us, authority to grant rights-of-way and corridors.

The California Desert Conservation Area will be managed within the framework of multiple use and sustained yield and maintenance of environmental quality. Section 603 is important to us since it concerns BLM wilderness studies.

I repeat keep an eye on the administrators of this law.

* * * * *

THE PACIFIC MINE

About 1000 miles south of San Diego, California, a mining company, Deepsea Ventures, intends to reclaim manganese, cobalt, nickel and copper from the ocean floor. The mineral nodules, found at an average depth of 15,000 feet, have been forming for 30 to 50 million years. Deepsea plans on sucking up the nodules with a vacuum device, and then processing them. Like mines on land, the watery claims of this company have been filed. The concretionary nodules are not buried in sediment, but lie in a vast layer on the sea floor.

from The American Federation Newsletter

Quote from William Sulzer, Governor of New York in 1912

"In my judgment Geology is the greater Science. It is the most useful, the most utilitarian. It tells the story of earth...the more we find out about "Old Mother Earth" the greater we become, in material benefits; in health; in progress; in happiness; in enlightenment."

AFMS Newsletter

MARK YOUR CA:EMDAR

Jan. 20, 6:30 p.m...Annual Banquet, Everett H.S. Cafeteria, Lansing, Mich.
Jan. 22, 7:00 p.m...Field Trip-Slide Show 119 E. Syringa, Lansing, Mich.
Feb. 3, 7:30 p.m...Boqrd Meeting at the Davis', 119 E. Syringa, Lansing, Mich.
Feb. 17, 7:30 p.m...Regular Meeting, Everett H.S. Cafeteria, Lansing, Mich.
Oct. 21,22,23.....CML&MS Show, "The Magic of Minerals," National Guard Armory, Lansing

See you at the BANQUET!!!!

January 20, 1977

6:30 P.M.

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