

ROCKHOUND NEWS



official publication of the
Central Michigan Lapidary and Mineral Society
member of MWF & AFMS

Let us give thanks!

November 1997



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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 in May, 1957.

Meeting place: North School, 333 E. Miller Rd, Lansing MI

Meeting date: Third Thursday, except in July and August

Meeting time: 7:30 pm; doors are open at 7:00 pm

Annual dues: Adults \$5.00, Students \$1.00

OFFICERS 1996

President	Royal Olson	339-2059
Vice President	Leila Stevens	321-4379
Recording Secretary	Mary Gowans	351-6136
Corresponding Secretary	Mary Kay Bean	351-1107
Roster Secretary	Bessie Rogers	224-7596
Treasurer	Alan Hukill	641-6125
1 Year Director	Arlene Olson	339-2059
2 Year Director	Gail Hopkins	886-6047
3 Year Director	Larry Bourland	649-8324
Liaison Officer	Bettie Patterson	482-3437
Past President	Jean Ann Wahl-Piotrowski	616-948-9589

COMMITTEE CHAIRS

Program	Leila Stevens	321-4379
Membership	Joe Austin	327-0203
Finance	Gordon Lewis	349-2263
Education	Margaret Green	882-3637
Field Trips	Melissa Tuchowski	339-0459
Library	Lee Laylin	349-3249
Display	Grit (Irwin) Turner	694-9596
Publications	Jean Ann Wahl-Piotrowski	616-948-9589
Show	Roger Laylin	349-3249

PERMANENT MAILING ADDRESS:

14933 Brown Rd.
Lansing MI 48906

MEMBER OF:

Midwest Federation of Mineralogical and Geological Societies
American Federation of Mineralogical Societies

Regular Meeting, Nov. 20: R-Z, please bring refreshments. Program: "Maureen Burquist Gray, rock sculptress"; Mini Silent Auction.

MESSAGE FROM EL PRESIDENTE

It has been an interesting month what with emergency landings, recovery from our ten week Alaska trip and our show-- one of the best I've seen. About the show: first in line for my personal thanks are the many people who helped me with the heavy hauling that my demonstrations required. Next is Larry Bourland who took over the "rock cycle" talk on Friday morning when I had to go to my doctors appointment. He did a yeoman's job with it too. I am not going to name any more names because there are so many of you, but you know who you are and if there's anything you need or want-- let me know. I think a lot of all you. You are really great people.

A little advanced notice: our January board meeting would fall on New Years' Day so it has been delayed one week to January 8. I have secured the room at the Meridian Township Service Center. Our regular meeting will be on the 15th of January, and our potluck at the Alaiedon Hall will be on the 18th. Remember that is our usual January (bad weather) field trip.

Royal

NOVEMBER PROGRAM-- Lila Stevens

Maureen Burquist Gray a very talented freeform sculptress who works with soapstone and gypsum will be our speaker at the November 20 meeting. Maureen has work on display at The Tandy Gallery in Okemos, The Lansing Art Gallery, plus 13 galleries in 7 states. She will speak & demonstrate her sculpturing skills.

EDUCATION REPORT-- Margaret Green

In keeping with our exploration of Michigan minerals, Dave Piotrowski will present a five minute talk about jaspelite, also referred to as the "banded iron formation."

Thank yous to everyone who participated in the Friday morning portion of this year's show. Your efforts made it a success and Roger and I couldn't have done it without your hard work and dedication to our club.

A new slate of officers will be installed shortly and a new year of club activities will begin. If you're a new member this is an excellent time to jump into these new activities with us. There will be lots of opportunities to join outreach educational events such as classroom visits and science nights between January and June. Keep January 17th in mind for the Okemos Science is Fun Day presentation.

If you have any comments, questions, ideas or criticisms for the education department of your club please feel free to write or call me.

RUBY ANNIVERSARY SHOW REPORT

Our club's 32nd show was a qualified success. We earned a gross of \$9758.33 less all unpaid bills. We were fortunate to serve 1376 school children and teachers from 25 classes on Friday morning and had a show attendance of 1290. The children seriously depleted our supply of mineral/rock specimens so we have a good reason to make numerous collecting field trips during the coming year.

I WISH TO EXPRESS MY SINCERE THANKS TO ALL OF THE CHAIRPERSONS, CLUB MEMBERS AND VOLUNTEERS who so generously gave of their time, labor and materials to make the show a success. I especially want to thank Joe and Alberta Manina for the beautiful entrance display of faceted rubies. My thanks also to the club for having me as show chairman. The many willing, helping, knowledgeable members and friends have made my two years pleasurable ones.

Thanks to all of you very much,
Roger Laylin

THANK YOU

My thanks to all members who contributed so generously (of both food & time) for the hospitality room during the show. A special "thank you" to Mary Crosby and Ruth Lehner for their hard work throughout and particularly on Sunday when I became ill. They took over the usual tasks plus the humongous job of packing, and moving all of our possessions out of the armory. As always the show brings out the best in us-- with everyone working cooperatively and in a "party mood." Lee Olson

ALL AMERICAN CLUB AWARD, REPORT ACTIVITIES TO BETTIE PATTERSON

Each spring, the American Federation invites clubs to apply for this award. This year we are trying to be prepared in advance, and Bettie Patterson agreed to keep a running tab of our club activities all year long. However, she needs everyone's assistance. If you have offered service that might fall in one of the following categories, PLEASE contact Bettie with details of your activity.

- Service to members and visitors at each meeting
- Service to members away from meetings
- Club publicity
- Service to other clubs
- Service to Federations
- Service to own region
- Service to distant communities or projects
- Service to or involvement in public agencies

NEW BOOK RE: PETRIFIED WOOD-- Lila Stevens

A newly released resource book for collectors of petrified wood is entitled "Petrified Forests" translated from the German text in 1996. It is 188 pages with excellent photos and is an ideal size to be tucked into a knapsack for ready reference. Cost is \$79.95. Sam and Ruth Kirkby

(Clarence's brother) of Scottsdale Arizona reviewed the book and the fossil Sam had named after him (Kirkbyorum) is included.

CORRESPONDING SECRETARY'S REPORT--Mary Kay Bean

The weekend of the 11th of October was particularly eventful for three of our board members. Royal Olson made a miraculous landing with Mary Gowans (an experienced pilot herself) aboard. The glider they were operating near Ionia succumbed to the perils of Mother Nature in the form of unpredictable winds. Both Royal and Mary were hospitalized with compression fractures to the lumbar spine and were released to return home for an extended rest. (Royal handled his duty as host of the show from the seat of a chair on wheels. He did a tremendous job and we applaud him for this performance.)

Sofia Kauma and I visited Royal with a card and an "Angel Wing" calcite specimen. Next, we attempted to locate Mary with a card and gift, but were unsuccessful.

Also that weekend, Alan Hukill injured two of his fingers severely. We visited Alan with a fall bouquet and card.

Mary McMahon has sustained a fall a short while ago which will prevent her from attending the show and conducting operations at the swap table.

A card of well being was sent to June Zeitner in Rapid City, South Dakota. Get well wishes were sent to another friend of our club, Richard Whiteman, following heart catharization and angioplasty. Fortunately, he bounced back and was able to make his usual appearance at our Ruby jubilee.

Laurence Mouton, age 10 years, was sent a card for a job well done for his rock and mineral exhibit.

Helen Woods was celebrated for her one hundred years on our planet on the 18th of October.

Bill and Bessie Rogers have been sent two more cards in October. Red feels he is improving-- only time will tell.

Lee Olson also received a card this month. She suffered flulike symptoms and was very much missed the last two days of the show.

On the 29th of October a card and phone call to Alice Turner confirmed that she is tolerating her radiation treatments quite well.

We wish all our members speedy recoveries.

GREEN AMETHYST via Hourglass News, Deming Rock Ships 11/96 & others

Some Brazilian amethyst will turn green when heat treated. Greened amethyst is also known as prasiolite. It has been on the market for many years, but is not well known. A low grade of amethyst will also change to shades of yellow or brownish when heated. The stone then becomes citrine. There is no way of knowing how much citrine is natural and how much has been obtained by heating amethyst. Not all amethyst will change color when heated. Some will lose all color, to become clear quartz.

LAPIDARY MAIL LIST via Shin-Skinner News 9/97, Arrowhead News 10/97

Sign up for a free mail list devoted solely to lapidary topics (excluding faceted stones). To subscribe send the message of "Subscribe Lapidary Digest" on the subject line to <lapidary@mindspring.com> . Anything in the body of the message will be ignored. You will receive a Welcome letter with full procedures and policies of the LapDigest. Hal Sweeny is the "proprietor" of this service. We did this and were amazed how many queries and answers were posted in one week.

INTERNET SITES via Flint Rock & Gem Newsletter 11/97

Ace Lapidary & Supply	http://acelapidary.com/
Crystalite Lapidary & Glass Products	http://www.crystalite.com
International/Colored Gemstone Assoc.	http://www.gemstone.org/
Eastern gold maps available	http://www.megabits.net/gold/east.html
Gem Gallery	http://www.theimage.com/index.html
C&C Jewelers	http://www.ccjewelers.com/ben.toit.html
Diamond Palace Gemstone index	http://www.diamondpalace.com/gem/idex.htm
Geofacts(Ohio Trilobites) very nice teaching tools	http://www.dnr.state.oh.us/odnr/geo_survey/gen/geo_fact/geo_fact/htm

FROM THE ARCHIVES.....SOME "ROCKINITIONS"

by Carl Tooley from the February 1963 Gems & Minerals,

TUMBLER-- One who falls down a rock pile.

ROCK CHISEL--One who chisels someone else's pickings.

GEM SCOOP-- False story of good pickings, usually to mislead so the one giving the scoop can have the best somewhere else for himself.

AMATEUR--One who keeps his mouth shut and his ears open.

QUARTZ-- Two pints of rocks.

SCRATCH-- One way to get a good agate.

ZINC-- Where you wash you tired feet after a long hunt.

ZINCITE-- A small zinc.

APATITE-- What you get on a long hunt.

TRIPOLITE-- What your bag would be if you had left the leaverites.

GARNET-- What you say when a rock drops on your foot.

CONGLOMERATES-- A group of rockhounds.

PETRIFIED-- What you are when you see just what you're looking for.

CLUB CALENDAR

November 20	Regular Meeting 7:30, R-Z, please bring refreshments. Program: "Maureen Burquist Gray, rock sculptress"; Mini Silent Auction.
December 4	Board meeting, 7:30, Meridian Twp. Service Center
December 18	Regular Meeting
January 8	Board meeting--NOTE CHANGE OF DATE
January 17	Okemos Science is Fun Day
January 18	"Field Trip" Potluck at Alaiedon Twp. Hall
January 25	Open House at Margaret Green's

REPORT OF THE MIDWEST FEDERATION
DELEGATES' COUNCIL MEETING
Saturday, October 25, 1997
Davenport, Iowa

The meeting began with committee reports which ran from 9:30 A.M. until well into the afternoon. One can only be impressed with the wealth of activities performed by the MWF. I will report on only those which may be of direct interest to CMLMS.

The Education in Sharing committee is anxious to receive even more entries from the clubs for Rockhound of the Year or Lifetime Rockhound awards. Each club may nominate one person who will be honored by a notice in the MWF newsletter and submission to the American Federation. To do this, we need to send a one or two page summary telling why this person is being honored by our club.

Longevity awards were presented with CMLMS being recognized for 40 years. State Director Marv Starbuck opted to deliver this to the club in person at some future date.

Representative to the American Lands Access Association made a plea for each club to take out a membership at \$25 a year to help support lobbying to protect collecting on federal lands.

Competitive cases were encouraged with an announcement that the winning junior will receive a savings bond as well as a trophy on the American Federation level. (Here is your chance, juniors, since the convention is in Michigan next year.)

The problem of quarry access was addressed. An Ohio Director said that instead of asking if collecting is permitted, the question that has brought some success is: What are your requirements for a field trip group to collect in your quarry? He told of one quarry, in Ohio, formerly closed, who said "Listen to a ½ hour safety lecture before entering." Then, not only were they invited in but were served breakfast and refreshments delivered to them in the quarry! Actual training programs that are required for quarry workers have been taken by some avid field trippers. The Michigan Department of Labor should have information on where these are offered. Certificates are then issued and recognized by the quarries.

There is always an appeal for new slide or video programs. There are monetary prizes for winners, so get your camcorders busy. Alice Turner has won in the past.

OLD BUSINESS:

All proposed changes to the by-laws including the dues increase were approved.

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NEW BUSINESS:

Elizabeth Commean of the N.W. Illinois Rock Club has offered to put the MWF on the internet at no charge! In the future each club may receive a form to fill out if it desires to participate.

The following officers were elected for next year:

President: Harold Rice
1st Vice President: Neil Snapp
2nd Vice President: Willis Smith
Secretary: Mary Hanning
Treasurer: Norm Hanshu
Nominating Committee: Kitty Starbuck, Lyle Kugler

Upcoming Midwest Conventions were announced:

1998: Houghton, Michigan - August 11-16, 1998
This will be in conjunction with the American Federation Meeting and the Red Metal Retreat. The Houghton club will have a show on the 14th and 15th. 20 field trips are promised and there are two others connected with the Ispheing Swap just prior to the convention. You can have 10 days of collecting!!

1999: Columbus, Ohio - April 10 and 11, 1999
This is the year Neil will be president. The theme is Paleo World promising dinosaur replicas, 150 displays (including those from the Carnegie, Houston and Cleveland), swap, field trips, programs and 39 dealers.

The meeting adjourned at 3:50 P.M.

Respectfully submitted,

Connie Snapp

Addendum:

Thank you for appointing me to be your delegate. Next year you may be asked to serve in this capacity. Remember, you don't have to be a delegate to attend. We had a wonderful time including a dinner/dance cruise on the Mississippi, lots of good fellowship with other rock addicts, and a quarry field trip. We decided not to stay for a second field trip; this was a prudent decision as we arrived home just as the storm set in on Sunday night.

AND ITS NAME SHALL BE CALLED...

by Diane Dare
SIESC Education Chairman

Mineral names have many derivations. Some are named for places: Franklinite for its New Jersey locality, Thulite for Thule, an ancient name for Norway. Vesuvianite was found in volcanic material in Italy. Some are named for people: Willemite for King Willem 1, Smithsonite for James Smithson, Neptunite for the Roman god of the sea and Selenite for the moon goddess.

Some names come from chemical composition: Uvanite contains uranium and vanadium. Others are based on physical properties: Albite from the Latin 'alba' or white, Octahedrite for its eight (octa-) sided (-hedra) crystals.

Knowing the origin of a mineral's name can be a clue to proper pronunciation. Thus, Prehnite-named for its Dutch discoverer Colonel von Prehn-is pronounced PRAYN-ite. But regional dialects or colloquial uses lead to alternative, and often accepted, interpretations.

Remember the song about, "You say to-MAY-to and I say To-MAH-to"? Aragon, Spain gives its name to Aragonite, which should result in AR-ah-gon-ite, but is generally said as ah-RAG-on-ite. Fluorite, from the Latin 'fluere', to flow (because it melts easily) should be FLEW-uh-rite, but FLAWR-ite and FLUHR-ite are the more usual terms. From the Greek word for heavy, 'barys', we get Barite, BARE-ite, but we often hear BAY-rite. Similarly, 'hals', Greek for salt, gives us Halite, HAL-ite, aka HAY-lite or HAIL-ite.

Sometimes the number of syllables is a guide: Topaz is TOE-paz, while Topazolite is toe-PAZ-uh-lite. But not always: there is Alexandrite-al-eggs-ZAN-drite, and then Alexolite-ah-LEKS-sah-lite.

So, what about GOETHITE? Named for the German poet, philosopher and amateur mineralogist Johann Wolfgang von Goethe, it should be GUR-tite, but GAY-thite, GO- thite, and even GULI-tite refer to the same mineral!

Is the iron mineral HEE-muh-tite or HEM-uh-tite? Take your choice. By the way, 'tri-' means three, and is pronounced TRY, as in triangle, tripod, triclinic and trilobite (not TRILL-uh-bite).

In researching this, I learned my little green Anapaite is named for its Russian locality of Anapa and I have been saying it wrong: it's uh-NAP-uh-ite.


And on that note, have a gneiss-NICE-day!
REFERENCES: various dictionaries and pronunciation guides

Via SIES CLUB NEWS September, 1997

BRRRR!!!!

Part 2

Mel Albright
Afms Safety Chair

 here are two bad effects that you can get from being too cold too long. One is hypothermia and the other is frostbite.

HYPOTHERMIA is low body temperature. Warning signs are slurred speech, memory loss, disorientation, incoherence, uncontrollable shivering, and a sensation of extreme exhaustion.

If you suspect hypothermia, take the person's temperature. If it below 95F or 35C, seek emergency medical help immediately! If that isn't available, or will take a long time, start by warming the person SLOWLY. Warm their body first - if needed, cuddle with them. Get them into dry clothing and cover them well with a warm blanket - including their head. No alcohol drugs, coffee, or hot beverage or food should be allowed. A warm broth is great. Do NOT warm their arms and legs first because this drives cold blood towards the heart and may cause heart failure!

PREVENTION of hypothermia is mainly common sense. Avoid hard work - pushing a car, shoveling snow, walking in drifts, and the like. The strain of cold with hard labor can cause a heart attack. Avoid working up a sweat. Remove outside clothes layers to avoid perspiration and overheating and then put the layers back on when you finish. Don't eat snow. If you want a snow cone, take the snow indoors.

FROSTBITE is simply frozen body tissue. The warning signs are a loss of feeling and a white or pale appearance in the extremities - fingers, toes, ears, nose, or cheeks.

TREATMENT of frostbite requires immediate medical help. If you must wait, slowly re-warm the affected areas. BUT, remember that if they also have hypothermia, the body must be warmed first.

Prevention of frostbite means two things. One is proper clothes - mittens, layered waterproof clothes, double socks, and so on as mentioned in Part 1. The other is ordinary common sense - DON'T go out in extremely cold weather if you can avoid it at all. If you must go out, don't stay long at one spell. Come in and warm up frequently.

Reference for these articles: National Oceanic and Atmospheric Administration, National Weather Service.

<http://www.crh.noaa.gov/info.html>

NEWS FROM THE AMERICAN FEDERATION (A.F.M.S) NEWSLETTER 10/97:**NEW SMITHSONIAN HALL OPENS****The Janet Annenberg Hooker Hall of Geology, Gems and Minerals**

AT: National Museum of Natural History
Smithsonian Institution
Constitution Avenue and 10th Street, N.W.
Washington, D.C. 20560

T The Janet Annenberg Hooker Hall of Geology, Gems and Minerals opened September 20, 1997. Designed to showcase the world-renowned National Gem and Mineral Collection, the new hall explores dynamic earth processes, including crystal and ore formation, volcano and earthquake origins, plate tectonics and the formation of the solar system. The new hall is named in honor of Mrs. Janet Annenberg Hooker, in recognition of her \$5 million contribution toward its creation.

A team of more than 100 curators, designers, scientists, architects, engineers, artists, educators, writers and researchers developed the 20,000 square foot project starting in early 1989. The hall features natural and reconstructed environmental surroundings. It also incorporates interactive computers, animated graphics, film and video presentations, floor and ceiling treatments, hands-on specimens and tailored display lighting.

EXHIBIT AREAS**HARRY WINSTON GALLERY**

This gallery features the renowned Hope Diamond, the world's largest faceted deep blue diamond. The 45.52-carat Hope Diamond has a history tinged with speculation and superstition. A gift from Harry Winston to the American people in 1958, the Hope Diamond is exhibited with other geological products of the earth. Included are the striking Tucson ring meteorite, a naturally sculpted sandstone concretion from Fontainebleau, France, a 146-kg (325-lb) sheet of natural copper found in Michigan and a quartz crystal group from Namibia weighing approximately 600-kg (1,320-lbs). Also featured, will be a polished slab of migmatite, a rock formed at high temperature and pressure deep within the earth.

NATIONAL GEM COLLECTION

This section showcases selections from what is recognized to be the finest collection of gemstones and jewelry pieces in the world. Among the highlights will be the Hooker Emerald, Hooker Starburst Diamonds, Star of Asia, Rosser

Reeves Ruby, Chalk Emerald, Marie Antoinette diamond earrings, Napoleon Diamond Necklace, the rare DeYoung red and pink diamonds and a 23,000-carat topaz gem.

(Editor's note: This topaz is a gift from the members of the AFMS.)

SPLENDORS OF THE MINERAL WORLD

A striking array of glistening crystal specimens emphasize the importance of minerals in everyday life. Considered the building blocks of earth, scientists have identified nearly 4,000 minerals. The mineral and crystal treasures area will display the most spectacular minerals, crystals and gems and encourage visitors to explore topics such as crystal shape, color and growth and where minerals are found.

MINE GALLERY

A "walk-through mine" features actual crystal pockets and ore veins to create four U.S. mines embedded in rock-like walls. The exhibit incorporates mineral deposits from a historic zinc mine in Sterling Hill, New Jersey; a semi-precious gem mine in Amelia County, Virginia; historic copper from the Copper Queen Mine, Bisbee, Arizona; and lead from the Fletcher Mine, Viburnum, Missouri.

ROCKS ABOVE AND BELOW

A re-creation of a cave will feature large touchable specimens and simulated rock outcroppings which tell the story of how rocks are formed. The surface forces of wind, water, gravity, and deep earth forces of incredible heat and pressure are also explained.

PLATE TECTONICS GALLERY

This gallery shows how earthquakes, mountain chains and volcanoes are the primary result of the constantly shifting earth surface. State-of-the-art exhibit techniques include a HDTV theater which explores these dynamic earth processes, and visitor interactive maps and models which explain how the heat of the earth's interior serves as the engine that drives the change of our planet.

EARTH, MOON & METEORITES

This section explores the intricate puzzle of the birth and history of our solar system through film, ->>>>>>