

CML&MS  
4519 Seneca  
Okemos MI 48864  
**TIME VALUE**  
**FIRST CLASS**

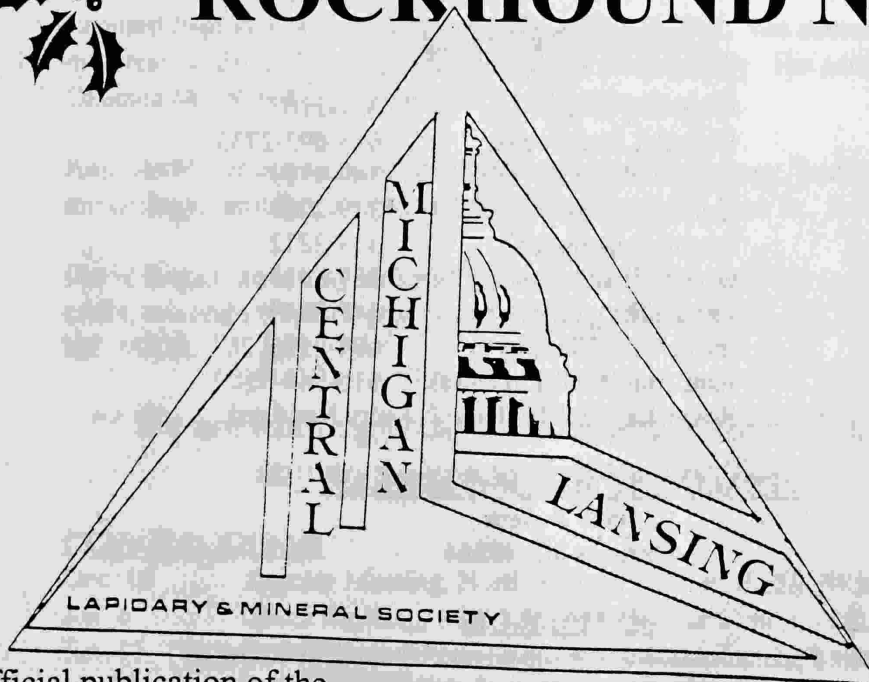


Neil & Connie Snapp  
1325 Orlando Dr  
Haslett MI 48840



# ROCKHOUND NEWS

December 1999



Official publication of the  
Central Michigan Lapidary & Mineral Society  
Member of MWF & AFMS

## 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 p.m.; doors open at 7:00 p.m.**

**Annual dues: Adults \$5.00, Students under age 18 \$1.00**

### OFFICERS 1999

President	Larry Bourland	543-6669
Vice President	Mary Kay Bean	351-1107
Recording Secretary	Mary Gowans	351-6136
Corresponding Secretary	...	
Roster Secretary	Wayne Zittel	485-2002
Treasurer	Alan Hukill	641-6125
1 Year Director	Ed Drown	347-5097
2 Year Director	Alice Turner	694-9596
3 Year Director	Gail Hopkins	886-6047
Liaison Officer	Bettie Patterson	347-8821

### COMMITTEE CHAIRS

Program	Mary Kay Bean	351-1107
Membership	Rich & Lila Stevens	616-693-2733
Hospitality	Phyllis White	349-9159
Finance	Gordon Lewis	349-2263
Education	Duane Jorgensen	339-2812
Field Trips	George Heaton	339-8914
Library	Lee Laylin	349-3249
Display	Irwin "Grit" Turner	694-9596
Publications	Jean Ann Wahl-Piotrowski	616-948-9589
Show	Roger Laylin, Milt Gere & Larry Bourland	

### PERMANENT MAILING ADDRESS

4519 Seneca  
Okemos MI 48864

### MEMBER OF:

Midwest Federation of Mineralogical and Geological Societies

<http://www.comean.com/rock/mwf>

American Federation of Mineralogical Societies

**DECEMBER MEETING FESTIVITIES** (editor)

The December meeting is traditionally a festive event and this year will be no exception. The business meeting will conclude with installation of our new officers. Our program promises to be lively this year: Betty Patterson will offer some inspirational readings, including her famous "recipe" for making fruit cake; and, musical guests will be "The CML&MS Field-Trippers." Of course, no party is complete without food. Each family is asked to bring a dozen cookies or healthy snacks to share! Please join us for a FUN and RELAXING evening.

**SHOW REPORT** -- Roger Laylin

Our thanks is extended to all of the many members and friends who actively participated in the successful completion of our 34th annual show. I wish to express special thanks to Mary Gowens, Alberta and Joe Manina, Ruth Lehner and Shar Gere. President Larry's not so silent auction appeared to be a hit by creating interest in the sales.

We served about 1400 children, teachers and chaperones on Friday morning. We grossed about eleven thousand dollars (about the same as last year) with slightly fewer people in attendance.

The complete financial report is included in this newsletter.

**MEMBERSHIP NEWS**

Nate Krupp and his family have moved. Their new address: 11906 Eden Trail, Eagle MI 48822-9621. 626-1136. [kruppnc@mi-armg.ngb.army.mil](mailto:kruppnc@mi-armg.ngb.army.mil)

The following are new members:

Leonard Espinosa is a property specialist with the DNR. His interests include fossils, geology, mineralogy, field collecting, astronomy, and photography. His address: 2331 Hulett Rd., Okemos MI 48864-2513. 349-1917 [espinosl@state.mi.us](mailto:espinosl@state.mi.us)

Amanda Miller is interested in archaeology, fossils, geology, lapidary crafts, metal crafts, mineralogy, tumbling and wirecraft. Her address: 403 Pine St., Fowler MI 48835. 593-3913

David Regalbuto is a hydrologist by trade. His hobby interests include fossils, geology, lapidary crafts, mineralogy, photography and scouting. His address: 660 Pebblebrook Dr., East Lansing MI 48823. 332-2291

**\*\*We are running short on door prizes for club meetings. Please give any donations to Grit (Irwin) Turner. Thanks!\*\***

**CLUB CALENDAR**

Dec. 16	Regular Meeting, North School, 7:30 PLEASE BRING COOKIES!!!
Jan. 6	Board Meeting, Meridian Twp. Service Center, 7:30
Jan. 15	Open House in Larry Bourland's classroom, Charlotte Middle School
Jan 23	Potluck at Aliedon Twp. Hall, 1:00 p.m.

CENTRAL MICHIGAN LAPIDARY & MINERAL SOCIETY  
TREASURER'S REPORT  
NOVEMBER 1, 1999 - NOVEMBER 30, 1999

BALANCE ON HAND(11-01-99)	
CERTIFICATE OF DEPOSIT(07-16-2000)	
COMERCA BANK SAVINGS	\$11664.95
COMERICA BANK CHECKING	13322.94
TOTAL	1875.89
	\$26863.78
RECEIPTS:	
DUES	
BADGES	90.00
TOTAL	14.00
	104.00
DISBURSEMENTS:	
1999 SHOW	
PUBLICATIONS	623.86
CORRESPONDING SECRETARY PROGRAM	109.07
SCHOOL RENT	6.60
MISCELLANEOUS	16.40
TOTAL	160.00
	18.01
	933.94
CERTIFICATE OF DEPOSIT(07-16-2000)	
COMERICA BANK SAVINGS	\$11664.95
COMERICA BANK CHECKING	13322.94
TOTAL	1045.95
	\$26033.84

RESPECTFULLY SUBMITTED,

ALAN HUKILL, TREASURER

1999 SHOW - CML&MS  
FINANCIAL REPORT

ACCOUNT	BUDGETED	SPENT	+ or -
SHOW CHAIRMAN	20.00	0	-20.00
RENT	3000.00	3000.00	0
PUBLICITY	1100.00	613.28	-486.72
FLYERS	600.00	496.78	-103.22
CHILDRENS TABLE	500.00	159.93	-340.07
SILENT AUCTION	350.00	224.07	-125.93
DECORATIONS	100.00	37.97	-62.03
DISPLAY	100.00	0	-100.00
RAFFLE	250.00	204.54	-45.46
TICKETS	25.00	0	-25.00
SCHOOL TOUR	150.00	55.02	-94.98
SECURITY*	200.00	200.00	0
HOSPITALITY	200.00	180.96	-19.04
SIGNS	40.00	0	-40.00
ELECTRICAL	50.00	18.32	-31.68
TABLE RENTAL	500.00	509.63	9.63
FLUORESCENT BOOTH	20.00	0	-20.00
DEMONSTRATIONS	40.00	0	-40.00
ENTRANCE DISPLAY	25.00	0	-25.00
MISCELLANEOUS	0	0	0
TOTAL	7270.00	5700.50	-1569.50

INCOME:

DEALERS	2700.00		
TICKETS	2102.56		
RAFFLE	606.00		
CRITTERS/JEWELRY	607.45		
FOSSILS	293.65		
CHILDRENS TABLE	1622.43		
MINERAL KITS	513.65		
SILENT AUCTION	2677.49		
GRAB BAGS/PET. KITS	458.10		
DONATIONS	8.00		
TOTAL INCOME	11589.33		
		INCOME	11589.33
		EXPENSE	5700.50
		DIFF.	5888.83

\* = PAID ALL OR PART  
IN CASH

ALAN HUKILL  
CML&MS TREASURER

## A Stone for Every Profession

For laundresses, the Soapstone.  
For architects, the Cornerstone.  
For cooks, the Puddingstone.  
For politicians, the Blarneystone.  
For borrowers, the Touchstone.  
For policemen, the Pavingstone.  
For stockholders, the Curbstone.  
For burglars, the Keystone.  
For tourists, the Yellowstone.  
For beauties, the Peachstone.  
For motorists, the Milestone.  
For editors, the Grindstone.  
For seamstresses, the Ironstone.  
For surgeons, the Gallstone.  
For miners, the Lodestone.  
For icemen, the Hailstone

### Simple

*The simpleton rockhound was told  
Of the wonderful mine he'd just sold.  
Simple said, "Wanted stones  
Or some fossilized bones -  
But that mine has nothing but gold!*

by Cindy Lind, CLGMS Club Member 1996

<http://www.ghgcorp.com/gpenning/limer.htm>

Via San Diego G&M, Slabs & Cabs 2/95, and The Southwest Gem 5/95

A page of good advice from The Rockcollector, Rochester NY, Dec. 1999.

## The Perfect? Light-Weight First Aid Kit

Chris Rylands - Bellevue, WA

[Recently, the rockhound e-mail exchange group had an interesting discussion. It started when Chris Rylands (BRIOA@aol.com) attempted to describe the perfect lightweight first aid kit. Mel Albright, Chair, Safety]

The idea of this kit is that the kit is small and lightweight but yet an all around lifesaver.

**One of those blue plastic eye cups** if you need to wash out your eye, and an eye patch and eye ointment for infections. Most rockhounds do not bother using their eye protection.

**Water purification tablets**, cheapest, or one of those fancy pocket water purifiers if you are in a mineral rich area, with springs or flooded mines.

Hmm. Nice Vug, Lost your footing, AAAAAAAA!!! WHAM!!! Roll of **black tape (Electrician's tape)** it is elastic, waterproof, and airtight. Can be used for things like splinting, arm slings, tourniquets.

I hear the plane and can see it but they can't see me, no wood or too wet to start a smoking fire. Go to the local boat supply for **orange smoke pots**. Not flare guns, unless you want to burn to death in the forest, or be on CNN as the most stupid of all time rescues.

Water out of sand: For you Desert rock-hounders, **2 dark green thick jumbo plastic garbage bags**, one 3 foot 1/4" plastic fish tank hose. First dig a 3 ft x 2 ft deep hole. Place one bag in the bottom center of the hole, shape it as a cup. Lay the plastic suction tube in the cup bottom and up and out of the hole, Now cover the hole with the other plastic bag one layer thick. Totally seal the circumference of this hole and bag with sand. Now place a stone in the center, to make a depression in the bag over the cup. As the humidity condenses on the top bag the moisture beads up and rolls to the drip point and lands in the cup. Then you suck on the straw. Remember you can also soak the pit sand with what ever fluid you want as long as it has H<sub>2</sub>O in it, radiator fluid, wet dirt, mashed up weeds/foilage etc. or even your own.... After all, this is what the astronaut's life support systems do.

30 something **sealed, wax dipped strike anywhere wooden matches**, wrapped with wax dipped paper. By the way, did you know you can start a camp fire with fine steel wool and your flashlight battery?

**Pocket thermal space blanket.**

**Chemical toe warmers**, about \$2.00 a pair at local sports stores, can be used as a warm compress or to save your cold toes, or fingers.

You may have a big geode stuck in your mouth, and cannot yell for help, and it is night. **One phosphorescent snap and glow stick.**

One of those Oval Green Rubber Snake bite kits.

A pocket card on CPR Heat injuries, Shock, Burns, Fractures, Dislocations, Cold injuries, Bleeding etc... most fire departments and or hospitals have these free items. After all if you save your partner's life, he/she may give you their rock collection.

One safety pin, for among many things, picking out things.

One candle.

Pencil and 3X5" card.

Some waterproof cloth type Band-Aids. And remember, if you are in the cold or damp climate, "COTTON KILLS". -- Did I forget anything?

From Breccia, 9/99.

## Hints!?!?

When was the last time you took a look at your electric motors? Take a little look then clean off the outside and blow out the dust from the inside. Check the wiring that may have become oil-soaked and check if the insulation is bad. Check the oil and grease cups over the bearings or at the shaft ends. While you are at it, see if the drive pulleys are still tight and aligned with the machine pulleys.

From Breccia, 9/99.

**Hint** -- Every time I use a Vibrating Lap I get frustrated by the mess it produces. The outer "bumper" and the rim of the pan act like a pump, squirting water, grit, and rock dust all around the machine. Recently, an idea dawned on me, thanks in part to Henry Forsythe of Rio Rancho. NM. I attached plastic snap-on lids such as come on peanut cans to my slabs with double sick foam tape, and lead weights to the other side of the lids with the same tape. By putting the lids on right side up, or upside down, depending on the thickness of the slabs, I was able to make sure that the plastic bumpers met. These lids eliminated the need for any other bumpers and also eliminated most of the pumping action. Now I am on the lookout for a plastic pan, or whatever, that will be a snug fit in the lap pan and thus eliminate the last of the splash-out and stop the evaporation of water. I also found that some plastic containers could be used as bumpers on large, thick pieces, like bookends.

By John Mastin, in Chaparral Chatter 9/85 via Rock Rollers, 11/99

## Shop Hint

— A word or two about working jasper. You will find that jasper is much more troublesome to polish than agate because many varieties are "earthy" and porous and many others contain hematite, which is very difficult to polish. If you are on a field trip, a good way to test for jasper is to wet it. If it absorbs the water and dries rapidly, throw it away. It will not polish. If it stays wet and does not dry right away, it contains a high amount of chalcedony [quartz] and will take a good polish.

Most jaspers polish well on leather with Linde A, but good results can be obtained with tin oxide on either leather or felt. Always remember that a fine sanding job is the secret of good polishing.

From T-Town Rockhound via Rock Rollers, 11/99

**SAWING AWAY - SAFELY?**

By Mel Albright, AFMS Safety Chairman

One major part of rockhounding is the use of diamond saws. Everyone likes to be safe, but many are unsure what to use as coolant in the saw.

Rule 1 - Use only mineral oils designed for such saws. Many people substitute anything oily for regular saw oil.

Almost none of them are designed to be used as coolants in a diamond saw. So, most do a poor job compared to proper oils. What are the problems?

**THE MOST DANGEROUS PRACTICE - Use of anti-freeze (ethylene glycol). - BAD IDEA!!** The best I can do is

quote the MSDA (Material Safety Data Sheet) for this material. "WARNING!

HARMFUL OR FATAL IF

SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. MAY

CAUSE ALLERGIC SKIN

REACTION. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY

TRACT. AFFECTS CENTRAL

NERVOUS SYSTEM."

"Lab Protective Equipment required: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES"

"Possible Health Effects of using anti-freeze for saw oil-

Exposure by Inhalation - such as the mists formed by saw operation: - Vapor inhalation is generally not a problem unless heated or misted. Exposure to vapors over an extended time period has caused throat irritation and headache. May cause nausea, vomiting, dizziness and drowsiness. Pulmonary edema and central nervous system depression may also develop. When heated or misted, has produced rapid, involuntary eye movement and coma.

Exposure by Ingestion: - Initial symptoms in massive dosage parallel alcohol intoxication, progressing to central nervous system depression, vomiting, headache, rapid respiratory and heart rate, lowered blood pressure, stupor, collapse, and unconsciousness with convulsions. Death from respiratory arrest or cardiovascular collapse may follow. Lethal dose in humans: 100 ml (3-4 ounces).

Exposure by Skin Contact: - Minor skin irritation and penetration may occur.

Exposure by Eye Contact: - Splashes may cause irritation, pain, and eye damage.



Chronic Exposure from continued use as in rock saw operation: - Repeated small exposures by any route can cause severe kidney problems. Brain damage may also occur. Skin allergy can develop. May damage the developing fetus.

Aggravation of Pre-existing Conditions: - Persons with pre-existing skin disorders, eye problems, or impaired liver, kidney, or respiratory function may be more susceptible to the effects of this substance. HOW about methanol (temporary anti-freeze)? Use this only if you like fires. It is highly flammable."

Rule 2 - Use oils that won't burn readily. No one wants a fire in their rock saw or the room where the saw is located. But, the use of lower boiling materials can cause fires. The FLASH POINT is the temperature at which mixtures with air will ignite. The saving grace is that the fuel must be between a lower limit (typically about 1.5% by volume) and an upper limit (typically about 12% by volume) The bad news is that the saw action will create the proper ratio somewhere. So, choose an oil with a flash point above 215F or higher if possible.

The AUTO-IGNITION temperature is the temperature at which the oil will start decomposing (burning) on its own with no outside flame around. This needs to be very high - 500F or more if possible. Then, if you get a stuck saw blade while running, the heat generated won't get hot enough to start a fire.

RULE 3 - Use oils designed for diamond cutting. Machine cutting oils, motor oils, transmission oils, brake oils, water emulsions and the like will not do. They all contain additives that cause the saw to get hotter than it should. Straight mineral oils are the best to use. Texaco sells "Almag"®, Shell sells "Pella"®. Other manufacturers make similar materials. Try your local distributor. In many places, there are small oil companies that "compound" oils for special users. These places often have pure mineral oils as bases for their other products. Trying to buy 5 gallons instead of 55 gallons is usually the big hurdle. So, keep trying.

Reference: J. T. Baker Chemical Company Internet MSDS files. (Such files are required to be distributed from the manufacturers of chemicals by the EPA.)

from the AMFS Oct 99 newsletter on-line. via Flint Gemstones 11/99

**SPRING SHOWS**

- March 11 & 12 Roamin Club auction. Sat. 11-6 Sun 12-6. Schoolcraft College, Waterman Campus Center Bldg., 18600 Haggerty Rd, Livonia
- March 17-19 Jackson Show. Fri. 11-7, Sat. 10-7, Sun. 10-5. Michigan Center Masonic Lodge, 355 Napoleon Rd., Michigan Center
- April 1-2 "Blossom Land Show" Bridgman MI. 10-5 both days. Exit 16 off I-94, 3 1/2 miles North on Red Arrow Highway. Free admission.
- April 7-9 Mt. Clemens Show. Fri. & Sat. 10-7, Sun. 11-6. Mt. Clemens Recreation Center, 300 N. Grosebeck, Mt. Clemens
- June 2-4 "Dearborn" Show. Allen Park Civic Arena, 15800 White, Allen Park
- Aug. 18-20 Midwest Faceters Guild Seminar. For info call or write Harold Rice (810)463-5972, 122 Lois Lane, Mt. Clemens MI 48043

**FROM THE ROSTER ROOSTER** -- Wayne Zittel

**NOW** is the time of year to pay your **dues**. Please do so promptly, so our directory can be published promptly!

**NOW** is also a good time to order a **name badge** if you would like one! Orders are placed only twice a year.

**DUES: Adults \$5.00**

**Students under age 18 \$1.00**

**NAME BADGE: \$7.00 (includes club logo triangle & name plate)**

**Complete the form below and return with your check to Wayne Zittel at the meeting or via mail: 3401 Walker, Lansing MI 48906**

\*\*\*\*\*

**Yes, I/we wish to renew my/our membership in CML&MS for the year 2000.**

Name(s) \_\_\_\_\_

\_\_\_\_\_

Address \_\_\_\_\_

City & State

\_\_\_\_\_

Phone \_\_\_\_\_ E-Mail \_\_\_\_\_

I would like to order a name badge for \$ \_\_\_\_\_

Check enclosed for \$ \_\_\_\_\_