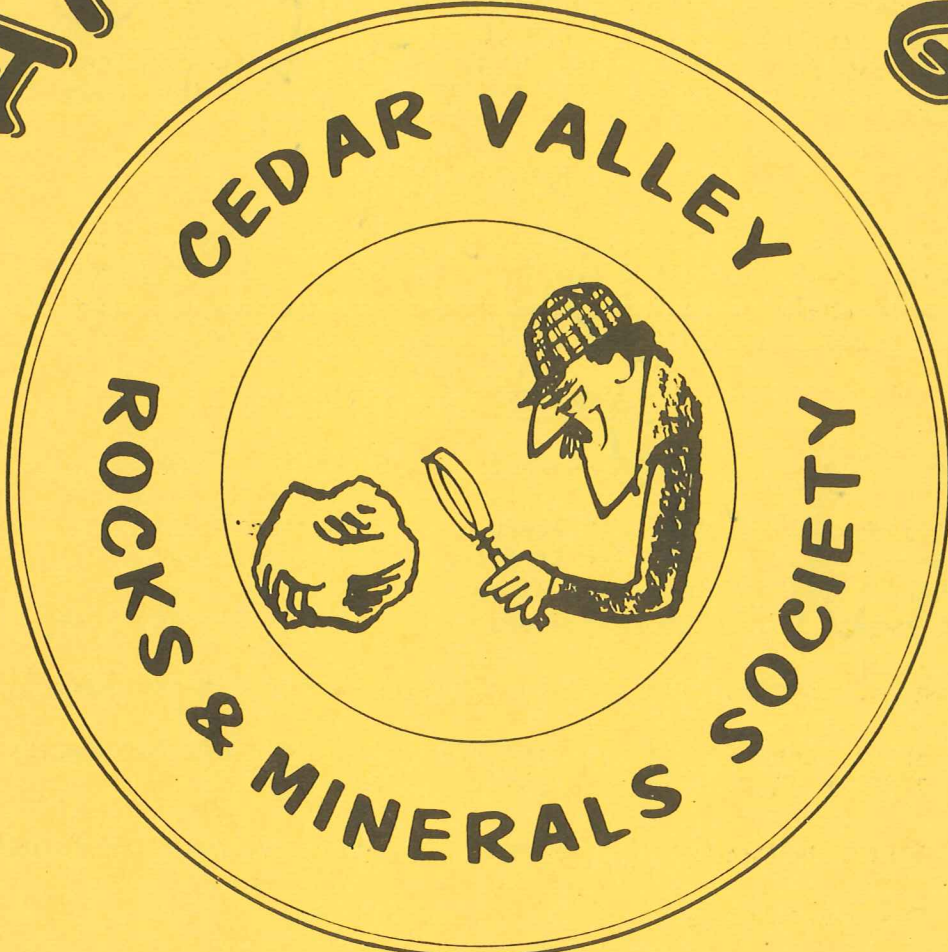


**CEDAR VALLEY GEMS**  
**ROCKS & MINERALS SOCIETY**



The logo is a circular emblem with a double-line border. Inside the inner circle, a man wearing a checkered hat and a dark jacket is shown in profile, looking through a magnifying glass at a large, rough rock specimen. The text "CEDAR VALLEY" is arched across the top of the inner circle, and "ROCKS & MINERALS SOCIETY" is arched across the bottom. The words "CEDAR VALLEY GEMS" are written in a large, bold, stylized font around the outer edge of the emblem.

OCT 1978

**CEDAR RAPIDS, IOWA**



CEDAR VALLEY ROCKS AND MINERALS SOCIETY, INC.  
CEDAR RAPIDS, IOWA

This corporation is organized for the purpose of studying the earth sciences of Mineralogy and Geology and the Arts of Lapidary and Geology.

OFFICERS

President	Larry DeSotel	247 Sussex Drive NE	Cedar Rapids, Iowa	377-1641
Vice Pres.	Cliff Steiner	4406 Walker St NE	Cedar Rapids, Iowa	393-4152
Secretary	Leslie Blin	505 5th Avenue	Marion, Iowa	377-3339
Treasurer	Wilma Ramsell	715 Greenfield ST NE	Cedar Rapids, Iowa	393-1395
Liaison	Frances Bates	2739 2nd Ave SE	Cedar Rapids, Iowa	366-6012
Editor	Betty DeSotel	247 Sussex Dr NE	Cedar Rapids, Iowa	377-1641
Co-Editor	Jackie Steiner	4406 Walker St NE	Cedar Rapids, Iowa	393-4152

BOARD MEMBERS

(1975)	Truman Ramsell	715 Greenfield St NE	Cedar Rapids, Iowa	393-1395
(1976)	Alberta Cray	1125 J Ave NW	Cedar Rapids, Iowa	362-5530
(1977)	Ray Shedenhelm	2111 Chandler St SW	Cedar Rapids, Iowa	365-3089
Past Pres.	Jim Dickens	531 30th St. SE	Cedar Rapids, Iowa	363-7693

COMMITTEE CHAIRPERSONS

Field Trip Magazine/ Librarian	Robert Blin	505 5th Avenue	Marion, Iowa	377-3339
Historian	Idella Hogan	1565 7th Avenue	Marion, Iowa	377-1382
Membership	LaVonne Grove	700 35th St #309	Marion, Iowa	377-3614
Hospitality	Marian Peters	1475 24th Street	Marion, Iowa	377-2839
Telephone/ Publicity	Gert Myers	335 27th Avenue SW	Cedar Rapids, Iowa	362-7080
	Helen Shedenhelm	2111 Chandler St SW	Cedar Rapids, Iowa	365-3089

CLUB MEETING Third Wednesday of each month except June, July and August - 7:30 PM REC Building - Marion, Iowa.

BOARD MEETING Fourth Wednesday of each month except June, July and August 7:30 PM

CLUB DUES Due and payable January 1st of each year.

Regular Membership - \$5.00 per adult couple; \$3.00 per single adult; \$5.00 per family membership.

Junior Membership - \$2.00 per junior member (a Junior member is anyone under 18 years of age).

Associate Membership - \$3.00 (Associate members receive the club bulletins but may not vote or hold office.)

Persons joining during the year will pay dues to the nearest quarter.



CEDAR VALLEY GEMS  
CEDAR VALLEY ROCKS AND MINERALS SOCIETY  
CEDAR RAPIDS, IOWA

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PAGE 1



OCTOBER MEETING

Wed. Oct. 18th, 7:30 P. M.

REC Building in Marion

PROGRAM- To Be Announced!

DISPLAY TABLE- Please don't forget to bring some specimens for the table, you can brag or ask for help identifying it, tell us where you found it and maybe even give everyone a good idea for a club field trip.

COOKIES-Fred Nekola, Ora Mae Cozart and Gert Myers...DON'T FORGET TO BRING COOKIES!!!!

PROGRAM- Alice wrote to our scholarship student asking him to give the Oct. program, but she has not heard from him yet. If he can't come she tells me she had another interesting program up her sleeve so COME TO THE MEETING AND SEE WHAT THE PROGRAM WILL BE!!! Either one is sure to be good.

BOARD MEETING -Will be at the home of Bill & Gert Myers. Board members please contact Pres. DeSotel if you cannot attend. ALL CLUB MEMBERS ARW WELCOME. Date: Wednesday, Oct. 25th, 7:30 P.M.

\*\*\*\*\*

FIELD TRIP...OCTOBER 15th, leaving Kirkwood 7:30 A.M., to Dubuque area (parking lot behind Iowa Hall)

The Pebble Pups will be going on this trip. All club members are welcome to go along or go on any of the other field trips. This tour ends at 12:00 and the Pebble Pups will be doing some collecting and sightseeing on their own after that. For more details on this trip call Helen Troxel. The description of the trip is this:

North east Iowa is well known among geologists for the excellent opportunities it provides to examine the stratigraphy and paleontology of the Lower Paleozoic section as well as to observe geomorphic features which contrast significantly with the familiar glacial plains of the Midwest. This trip is designed to briefly sample these relationships in the vicinity of Dubuque. We will look at the lower beds of the Elgin Member of the Maquoketa Formation (Ordovician), to collect the hearty Molluscan community which managed to survive in the stressful marine conditions of that time, and also to observe the role played by the shales and dolomites in the landscape development of the area. A stop is planned to observe the record of stream piracy of the Little Maquoketa River by the Mississippi. The trip will then continue northward along the Great River Road to Balltown, concluding with a fine overview of the Mississippi bluffs (Galena Fm.), the gentle slopes on the Maquoketa Fm. and the cuesta held up by Silurian rocks.

This is Trip 4. There are trips on Sat. and a Trip no. 5 on Sun. Please turn to page 12 for details. Registration material can be picked up in the Iowa room Of Iowa Hall at Kirkwood College on Friday, October 13th between 5:00 P.M. and 10:00 P.M. Displays and refreshments and field trip authors will be available at that time. the authors will answer questions and discuss Iowa geology.



PEBBLE PUPS PAGEFIELD TRIP!!!!!!

A major field trip will be on SUNDAY, October 15th, under the guidance of the Iowa Geological Survey. If you want to go with the Troxels, please call and make arrangements. We can take several of you in Sidie, leaving here (1138 Prairie Drive N.E.) at 6:30 A.M. (note that time you guys!!!) We shall go to the Dubuque area with the group for the morning, and then shall spend time on our own. Therefore, please bring a sack lunch and whatever snacks you may want for the day. We may- or may not- have a chance to stop for a hamburger at just the right time when you're hungry, so let's take lunches with us this time.

Incidentally, this should be a wonderful trip for parents and families; the colors should be at their best. It would help if we knew which Pups might go with parents so that if extra rides are needed, it might be arranged. Please call if this is possible. (You may want to go directly to Kirkwood for the larger group assembling there.)

And, finally, a meeting at Troxels, FRIDAY, OCTOBER 13th, at 4:00 to discuss what we might hope to see on the Dubuque trip, plus having our first meeting with our new mineral collection.

Submitted by Helen Troxel, Pebble Pup Sponsor

\*\*\*\*\*

The Pebble Pups would like to thank Don Bates for donating the Mineral collection to the club.

\*\*\*\*\*

Five Pebble Pups went on a field trip Oct. 6th after school. They had planned to dig geodes but upon arriving found the place closed temporarily, so went to the Robins quarry. Due to all the rain of last week and recent blasting it was quite muddy but a variety of minerals and fossils were found by the Pups.

\*\*\*\*\*

WANTED: Pebble Pups..... are there any Junior members or kids under 18 who belong to the club who would like to join the Pebble Pups??? If so call Sponsor, Helen Troxel and she will tell all about joining the Pebble Pups. 365-3451

\*\*\*\*\*

Employment manager: "What was your last job?"

Applicant: "Diamond cutter."

Employment manager: "In the jewelry business, hah?"

Applicant: "No. I trimmed the lawn at the ball park."

Sunshine magazine via The Pick & Shovel

\*\*\*\*\*

GEOTRIVIAL QUOTES: who said it???

"Volcances were a late post-aqueous phenomenon, incidental only and activated by ignition of coal deposits. In general, however, the earth was girdled in layers as uniform as the leaves of an artichoke." (1808)

via SGE Newsletter

\*\*\*\*\*

Some people are like blotters, they soak it all in, but get it backwards!

via The Nishua Valley Gringstone



SECRETARY'S REPORT - GENERAL MEETING, Sept. 20, 1978

President Larry DeSotel called the meeting to order and welcomed everyone back after the long and busy summer.

As the secretary's report had appeared in the June and July issues, there were no minutes to be approved.

Marian Peters read the treasurer's report which will be placed on file.

The following correspondence was read:

Alberta Cray read a letter advertising the International Shows in St. Louis and Chicago.

Marian Peters read a letter from the AFMS Scholarship Chairman, Glenn Lee, congratulating us on having earned our 600% certificate. He reported they are now giving \$1000. a year to the recipients of the scholarship awards. One will be at the University of Iowa this year, he added.

Larry read a letter from the Cerebral Palsy Committee, who are sponsoring their 4th Annual Walkathon, Oct. 8, asking for a donation. The club voted not to give as a unit.

Gladys Zobac reported Cindy would be taking part in the Walkathon, and is seeking sponsors.

... a letter from Industrial Diamond submitting dues for father and son, and the balance of their booth rental along with a donation to the club.

... a letter of thanks from Gene Burry for the use of a club show case. He also included a donation to the club.

... a letter from Ute Bernhardt expressing her thanks for the courtesies shown her during the Midwest Federation Show here in Cedar Rapids.

... A letter from St. Lukes Hospital asking for a donation. No action taken.

... read several flyers advertising forthcoming shows.

Larry called our attention to the articles and letters in the bulletin concerning Rare II. He urged us to write our letters before Oct. 1. Addresses are given in the bulletin. There was a lengthy discussion of Rare II both pro and con. Larry reported he had written to the Forest Service, and to Clark, Blouin and Culver. He had had a reply from Clark which he read.

Larry read a letter from the owners of Pint's Quarry, saying definitely no more hunting, explaining they have had insurance problems, and that it would be necessary to have an employee on duty if they were to allow us to come in and hunt. Larry said we would continue to work on getting access to some of the quarries that have been closed, citing that we have liability insurance to cover us.

Committee Reports:

Don Bates passed a sheet, for Fran, for members to sign up for the refreshment committee for months from October through May.

Betty DeSotel made a motion we send a \$200. scholarship to a student at the University of Iowa. The motion was seconded.

Jim Dickens amended the motion to \$400. Don Bates seconded the amendment. Both motions carried.

Secretary's Report continued from previous page

Marian was asked to send the check stipulating that it be used for two students, or for two \$200. scholarships.

Wilma Ramsell turned \$5.00 in to Marian Peters, from Ben Worcester. Ben had given it to her, explaining he had had an extra table last year which he had neglected to pay for. He also donated \$25. to the club this year.

LaVonne Grove inquired if there were other persons to whom she should send cards of appreciation to - those that had not already been turned in to her. Don Bates inquired if one had been mailed to the Red Cross in appreciation for their help at the show. He made a motion that we give the Red Cross a donation for \$200. The motion was seconded and carried.

Under new business, there was a query as to who would have the board meeting this month. Jim Dickens volunteered. It will be held Sept. 27, one week from tonight. Larry reminded members that the meeting would be open to anyone interested, and invited them to attend.

Larry said Norman Brown (they are on vacation) had asked him to inquire what members thought about getting a portable building and setting it on someone's lot, to put the club's cases, electrical wiring, etc. in. Skinny Lutz has volunteered space for such a building. This was discussed at length. Truman suggested we look into the rental of a storage area, pointing out that the metal sheds do not last long, they are damp and things will rust and deteriorate in them. Someone suggested Warren Reed in Marion has storage buildings for rent.

Jim Dickens made a motion the board be authorized to act in this matter, prior to the next general meeting, due to the imminence of winter. The motion was seconded and carried.

Larry appointed Truman and Jim as a committee to study the rental of a space, or the costs of a building.

Larry said he had previously brought this to the board and at a general meeting last spring - shall we have a show in 1979? Several members stated their thoughts and reasons why we should have a spring show.

Don Bates made a motion that we have a show in 1979. Jim Dickens seconded the motion. Carried.

A motion was made that Don Bates be show chairman.

Truman said the motion was out of order as it takes away the prerogative of the president to appoint the show chairman.

Larry asked Don if he would be the show chairman. Don accepted.

Leslie Blin made a motion that Larry contact the fair board for their earliest date in April. The motion carried. It was determined that it would have to be the weekend of April 7th or April 28th.

Leslie spoke about the by-laws and revisions of same, which will be discussed at the board meeting next week, noting that a by-law stating the show chairman will be an elective office rather than an appointment, is included in the new revisions. The consensus of the group seemed to be that this revision had not been voted on yet, therefore would not apply at this time.

There was a discussion as to the member dealers. This will be discussed further at the board meeting.

Secretary's Report continued from previous page

Leslie announced Helen Troxel was looking for someone to ride into Chicago with her around the first part of October. She is taking a relative into Chicago and plans to stay a few days visiting Lizzadro Museum, etc. Expenses will be minimal.

Leslie reported for Rick Austin, field trip chairman, there will be a field trip to Graf, Iowa for cephalopods, and to the Dubuque area lead mines, Oct. 8. Members should meet at the R.E.C Building by 10 AM.

Jeff Nekola announced the Pebble Pups have a field trip, Oct. 6, at 4 P.M. to the Urbana area to look for coldwater agate. He invited any club members who would want to, to go along.

Leslie exhibited the certificate indicating our bulletin had placed #10 in the bulletin contest. She said we had been judged on the Oct. '77 bulletin.

Leslie reported she had brought along a number of the exchange bulletins which had write-ups about our show, noting that they were quite interesting. She encouraged us to take them home and read them.

Betty DeSotel, treasurer for the Midwest Federation Show, read her report. She said there are still two or three large bills outstanding at this time. It was thought that most of the money could be turned over to the Midwest Federation at the October meeting. Truman recommended we put at least \$500 in an escrow account and split the balance of that amount with the Midwest at the spring meeting. It was pointed out that the bill for the insurance was to have been for \$600. however that bill is not in as yet. It was suggested we put that \$600. in escrow also. The balance of the money can then be turned over to the Midwest.

Larry reported on the 'replay' of the show meeting which was held at his home. He said many good suggestions were made. These may be useful to other clubs in their planning for a Midwest show.

Larry reported the fair officials were pleased we had left the grounds so clean.

LaVonne reported June Zeitner wants black and white pictures of the show, for use in an article for Lapidary Journal.

Helen Shedenhelm said Lavonne and her gem trees will be written up in the Lapidary Journal sometime in the next two or three months.

Mr. Meeks reported on the International Show at St. Louis, saying it was difficult to find, and there was no place to park when you did find it. The building was low and water had ran in, etc. etc.

The meeting was adjourned.

The program followed, with several members exhibiting and telling about their bragging rocks and the places they had been.

Respectfully submitted

Alberta Cray, Secretary



SECRETARY'S REPORT - BOARD MEETING

The Board met at the home of Jim and Mary Dickens, Sept. 27, 1978.

The meeting was called to order by President Larry DeSotel, at 7:30 P.M.

The secretary had nothing to report. The treasurer presented a number of bills, received from several of the members. A motion was made that the bills be paid. Seconded and carried.

Larry read a letter from Lentz Lapidary thanking us for having them at our show, and thanking Norman and Alice for the use of their trailer for the nights they were unable to get motel accommodations. They also requested space at our show for next year.

LaVonne read a letter from Richard Hagar (?), student recipient of our scholarship for last year, apologizing for being so late in contacting us. Alice Brown reported she had contacted him for the October program, however had not heard as yet.

Skinny Lutz reported on the findings of the rental of storage space for our properties. Most places rent at \$30. per month. Mayflower rents at \$11.50 per 1000 lbs. per mo. There was further discussion on portable buildings and other possibilities. Jim Dickens made a motion we have Truman draw up plans for a shed (10 x 12 was discussed - not in motion), and if it doesn't cost more than \$1000., we should go ahead and build it. He suggested the men could get together and build it themselves. Don Bates seconded the motion. Carried.

Helen Troxel reported on field trips for the Pebble Pups. She reported the Iowa Geological Survey will have a state meeting at Kirkwood, Oct. 13, 14 and 15 (if I got it right). There will be displays on Friday evening, and field trips Saturday and Sunday. There will be no charge for these. You should bring a sack lunch. Call Helen for further details. She said the Pebble Pups would be going on one of the several field trips, which the Geological Survey is leading.

Helen asked what the club thought about getting a 16mm projector for the Pebble Pups use, and also for the club to use at shows. We are to think about this. Discussion indicated that most films used by the club are on slides.

Helen called our attention to the current issue of Scientific American which should be of interest to geology students or those interested primarily in fossils.

Helen Shedenhelm inquired what we are planning to do in appreciation for all the help given us by the several neighboring clubs, at the Midwest Show. Several ideas were discussed. There will be more on this later.

A number of things concerning the show were discussed - member dealers, possibility of the show chairman being elected for two year term, assistant chairman for two years, and then be show chairman. Larry reported the cost of two buildings for the show this year would run about \$900. Larry had tentatively set the show for the weekend of April 28 and 29, however members felt it should be earlier, if possible, in order to avoid having it when the races are on. Larry said the weekend of April 7 and 8 had been open. He will check on this.

Helen Troxel reported there would be a field trip this weekend, to the Baraboo, Wis. area, in connection with the "Intro. to Geology" course at the University.



## SECRETARY'S REPORT - BOARD MEETING (continued from page 6)

LaVonne Grove & Leslie Blin, who have been working on the revisions of the by-laws, ask for a discussion of them. LaVonne suggested we talk with a lawyer about the Articles of Inc. and filing. and new laws.

Don Bates made a motion we go to an attorney & get matters straightened out both legally and financially. The motion was seconded and carried.

LaVonne & Merrill Grove were authorized to go to an attorney and follow up on this matter.

A number of the by-laws were discussed. Because of the length of the minutes concerning the discussion of the by-laws they will be deleted from the newsletter, and will be read at the Oct. meeting and written in the Secretary book.

The Board adjourned at 10:00 P.M.

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AUDUBON FILMS


The Audubon Society of Cedar Rapids has a series of film each year. These are at Coe College, Sinclair Memorial Auditorium, at 7:30 P.M. A family Season ticket is \$14.00 for the 5 films. Single season ticket is \$6.00. Here are the dates and films. Because I didn't receive the brochure in time some of you will miss the first film, Oct. 11. November 7 is Norm Wakeman with "Pacific Shores" January 10, 1979 is Alvah W. Sanborn with "Allagash Country" February 22 is Charles Hotchkiss with "Return to the Tetons" March 26 is Tom Sterling with "Superior - Land of the Woodland Drummer"

Gladys Zobac has brochures of these films, call her if you would like some more information. These are always excellent films and speaker too.

\*\*\*\*\*

The CFM Newsletter reports that 24 K gold is being added to glass windows to conserve energy. The gold blocks out the sun's rays while admitting light, thus cutting glare and reducing the cost of air conditioning. One ounce of gold can cover 400 to 1000 square feet of glass.

From the AFMS Newsletter, Oct. 1978

\*\*\*\*\*

After lapping your flats place under a heat lamp for about five minutes, then polish on felt with tin oxide. This saves heating the stone by the action of the felt wheel and gives an almost instant polish.

From the Southwest Gem via Nishna Valley Grindstone.

\*\*\*\*\*

Remove oil from slabs by soaking in strong solution of DISH-WASHING DETERGENT. Do not use laundry detergents since they contain bleaches which will effect the color of many gemstones.

From East Texas Gem & Min. Soc. via Nishna Valley Grindstone.

\*\*\*\*\*

Try Elmer's glue as a dopping agent for opal and other heat sensitive stones. Let set for at least 12 hours. To remove simply soak in water for a few hours. From Loup Scop via Nishna Valley Grindstone



CLUB RECEIVES 600% CERTIFICATE FROM AFMS SCHOLARSHIP FOUNDATION

Treasurer, Marian Peters received this letter from Glenn Lee, President of the AFMS Scholarship Foundation, who lives in Pendleton, Oregon. Here is his letter:

Dear Marian:

It is a real pleasure to be able to send you a 600 Percenter Certificate for your wonderful group of members!

I think this is an outstanding accomplishment--do please thank all your members for me, and tell them how much their generous support means to the Foundation and to the students it helps. Six new students will be receiving grants this fall and in addition, there are six carryovers from last year, one of whom will be nearby at the University of Iowa. As you are probably already aware, all grants are now for \$1000.00 per student each year.

Again, my sincere congratulations and thanks, and we were sorry we were unable to attend the Midwest Show earlier this month. My wife's parents lived in Cedar Rapids for several years following WWII and we would have liked to visit there again.

Sincerely yours,  
Glenn Lee

\*\*\*\*\*

MALACHITE---basic cupric carbonate--- $\text{CuCO}_3 \cdot \text{Cu}(\text{OH})_2$

Malachite was named from a Greek word referring to the green color. The crystals of this mineral are usually very fine and needlelike, occurring always in clumps or crusts. Sometimes crystals occur in delicate groups resembling masses of short green hairs. The crusts are usually knobby or velvety, and show bands of different shades of green when broken.

Malachite is a common product of the action of carbon dioxide and water on copper minerals, and is generally found in all copper deposits which are exposed to air, or to water containing carbon dioxide. This mineral is well known as the green crust that forms on copper gutters, statues, and other articles of copper exposed to damp air. Unlike iron rust, this coating clings to the surface of the article and protects it from further corrosion.

Malachite is an important copper ore in some regions. It is polished as an ornamental stone. The Russian czars made gifts of malachite vases.

Malachite crystallizes in monoclinic system as massive deposits or in crusts; as botryoidal, fibrous, or stalactitic masses; or as slender needlelike crystal aggregates.

Malachite is found in Russia, France, and England and in the United States. In the U.S. malachite is found in Arizona, Pennsylvania, Wisc., New Mexico, and Utah.

Color varies from different shades of green to almost black. Streak will be light green, luster dull or silky, usually opaque. Hardness is from 3.5 to 4. If you want to test farther; malachite is the only green copper mineral which effervesces in cold dilute hydrochloric acid, and that it gives a bluish-green flame color. Resources for this articles (Gold were Collectors Mineralogy Manual (Porter Chem. Co.) & Min. of the World, (Pre



HOW TO BE A POPULAR ROCKHOUND..FROM THE bulletin of the Double "I"  
Gem & Mineral City and the Grand Valley  
Lithogram via The Jaspilite

Rockhounds are funny people; they toil unceasingly under a baking sun or in icy weather. They walk miles on hurting feet, grind away fingers and strain their eyes, suffer acid burns, exposure, a rocky bed and poor food and water in the field. WHY??

So they can own, display and talk about the beautiful specimens; so they can enter a new world of creative art and share the pleasure with others; so every piece on display has its own history of hard work privation and loving treatment; every piece has its history and neither piece nor history can possibly be replaced. For these reasons, a code has developed among the fraternity, a code based on kindness, consideration, a genuine appreciation of what the specimen means to the owner, and the code says this:

1. Never touch a specimen without the owner's permission. How would you feel if you damaged it? Do you know that oils and acids of the human skin may dull or damage a finish? Replacement is impossible.
2. When viewing specimens in a glass case, one yard away is the accepted rule. This allows others an unobstructed view and keeps finger prints(which do not help vision or display) from appearing on the glass.
3. On a field trip, no sign should remain behind to tell others that you have been there. All holes are filled up, no bottles or cans, paper or trash to stand as an ugly monument to your brief stay! The true rockhound lives and loves nature.
4. Don't be a rock-hog or a pack-rat. Take only what you need and can use, leaving something behind for those who will come along after you. Many a fruitful area has been stripped of its beautiful minerals and closed for all time because the "long-ton operator" tried to get it all. A good rule: you should never collect more rocks than your wife can carry back to the car.

Four simple rules to be sure, yet violations of these honorable precepts expel many rockhounds from the wonderful hospitality of owners each year.

\*\*\*\*\*

IF YOU OPEN IT, CLOSE IT!  
IF YOU TURN IT ON, TURN IT OFF!  
IF YOU UNLOCK IT, LOCK IT!  
IF YOU BREAK IT, FIX IT!  
IF YOU CAN'T FIX IT, FIND SOMEONE WHO CAN!  
IF YOU DON'T KNOW HOW TO USE IT, LEAVE IT ALONE!  
IF IT IS NONE OF YOUR BUSINESS, KEEP OUT OF IT!  
IF IT BRIGHTENS SOMEONES DAY, SAY IT OR DO IT!  
AND ABOVE ALL BE THOUGHTFUL, KIND, CONSIDERATE  
AND CAREFUL AT ALL TIMES.

via Golden Spike News

\*\*\*\*\*

What was the name of the Indian who was carrying the Pollock through the woods???

TOTEMPOLE????? Thanks to Don Good for that one! From the Pica Pick of which he is the Editor.



YTTERBIUM FOUND IN IOWA???

Some time ago "Babe" Barnett gave me two papers with complete qualitative spectrographic analysis of the soil from two locations in the Oskaloosa strip mines area. The figures are percentage estimates.

Location No. 1:

5 Aluminum	.001 Nickel
.001 Boron	.1 Potassium
.01 Barium	Major Silicon
.1 Calcium	.1 Sodium
.001 Cobalt	1 Titanium
.01 Chromium	.1 Vanadium
.01 Copper	.1 Zirconium
1 Iron	
.001 Lead	a geiger counter test showed
.01 Lithium	<u>No</u> radioactivity.
1 Magnesium	
.01 Manganese	

Location no. 2

10 Aluminum	.01 Neodymium
.001 Boron	.1 Nickel
.01 Barium	1 Potassium
.001 Beryllium	.01 Praseodymium
5 Calcium	Major Silicon
.001 Cadmium	.01 Samarium
.01 Cerium	.01 Strontium
.001 Cobalt	1 Oz. Silver per ton
.1 Chromium	1 Sodium
.1 Copper	* Thorium
.01 Dysprosium	1 Titanium
.01 Erbium	* Uranium
.001 Gallium	1 Vanadium
1 Iron	.01 Yttrium
.01 Lanthanum	.01 Ytterbium
.01 Lead	.1 Zinc
.001 Lithium	.01 Zirconium
1 Magnesium	Major Carbon
.01 Manganese	1 Phosphorus
.1 Molybdenum	

A geiger counter test showed very weak radioactivity.

\* Uranium and/or Thorium are below limits of spectrographic detection.

This was done quite a few years ago but it is still interesting to see how many elements are present in the soil in Iowa. Thanks, "Babe". No gold was listed...were you panning for the silver or the aluminum, "Babe"???????

Definition: GNEISS ☺

A foliated metamorphic rock, named by the Gnorwegian geologist Gnicholas Gnelsen, who declared on its discovery in gnorthern Tibet: " That's gneiss, a gnew rock".

FRom the Glacial Drifter via Crystal Lines

\*\*\*\*\*

Early to bed, early to rise, "til you make enough money to do otherwise.

From Ozark Earth Science News



This article is from the OCTOBER 1978 AFMS NEWSLETTER.

### WE ARE CLOSING NATURES LIBRARIES AND TEXTBOOKS

(One of the best speeches ever presented at a Midwest Banquet was given at Cedar Rapids by Iowa State Geologist, Dr. Stanley C. Grant. Since this talk had to do with the disappearance of our field trip areas, private lands, as well as public, we quote here, with Dr. Grant's permission, excerpts of his speech which are particularly about wilderness areas. In a future issue of the newsletter we will deal with the private land issue, the new Government Mine Safety act, which is cancelling many quarry and mine privileges of hobbyists.)

This topic is not a very pleasant one for those of us who used nature's libraries for learning, teaching, reaserch, pleasure, and reareation. In my many years of field study I have yet to see a TRUE rockhound ruin a landscape by overcollecting or indiscriminate mining or reck - less vandalism.

In our zealous effort to protect the landscape, we have gone too far. We (the nation) have become or are becoming so restrictive, so limit - ing that we are truly closing the door of our mines, quarries, and collection sites for virtully everyone.

The grand concept of multiple-use is going to be an historic relic if we cannot bring reasonableness into focus with the need to preserve and conserve and protect.

While Mine Safety was being considered, other interest groups were seeking tighter control of public lands - most of which are located in the Western states and Alaska. The desire to create more public preserves in the form of National Parks and Monuments is significant. We do need to establish protected areas that will preserve our natural heritage for future generations. This has been done in grand meas - ure over the last 10 years and more areas are scheduled to be includ - ed. Along with this, however, is the desire or demand to withdraw these and other lands from resource production. We can surely agree that certain preserves should be maintained in limited use status so that the natural wonders that the area were preserved for, may be main - tained.

However, there seems to be an almost uncontrolled movement to withdraw federal lands from any use at all -- save backpacking ----

Wilderness areas are great places, and they are important to us and to our future generations. But HOW MUCH WILDERNESS?, - and what environ - mental effects must be maintained for miles outside of the designated wilderness?

Europe as a continental land mass is smaller than the United States. It has twice as many people, and there are still lots of unsettled, under-developed, natural environments there. Yes, there are some struc - tures, a few people, and some activities prevalent....but most of the beauty and naturalness is preaerved.

There is no question that we need some wilderness preserves. But, we cannot afford to withdraw great tracts of land from public multiple - use, at least until we can evaluate that land for resource potential.

(continued.....)



WE ARE CLOSING NATURES LIBRARIES AND TEXTBOOKS(continued)

If the investigation determines that the resources contained are not valuable to the national interest and the public good...let it go into wilderness.

But, right now it seems that the Dept. of Agriculture Forest Service, the Dept. of Interior, BLM, the National Park Service and others are doing their best to reserve lands before they are evaluated, or evaluate them with preservationist single-use criteria rather than multiple-use resource management criteria. RARE II seeks public input to determine what lands should be preserved as roadless wilderness, or be further evaluated or left open to multiple use. We tend to forget that newly established wilderness may prevent any multiple-use or development for miles around.

The problem facing the Forest Service is complex. They may favor careful management under multiple-use concept, but they are under heavy pressure from Washington and powerful lobbies to establish more wilderness.

Now for us - who like to teach and learn, to do research and study, to collect and enjoy the land while still caring for it...we are kept from these activities by the restrictiveness of wilderness withdrawals.

We must speak clearly, factually, and without excess emotion to our neighbors, friends, colleagues, and especially our lawmakers...they will listen when the votes count. It seems as though the lobbies have the best record. Well organized skillful lobbies seem to make headway...but the real clout is with the people and the vote. If you don't think the elected people pay attention to the real issues don't elect them. But it takes time for change to occur. Time can be hastened by careful consideration in our communications with the political personalities we elect, and by our statements and actions.

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Field Trip.....continued from page 1

The 42nd Annual TRI- State Geological Field conference will be held on October 13-14-15 with headquarters at Iowa Hall on the campus of Kirkwood Community College/ This years conference will allow attendees to chose from three all-day field trips on Sat. and two Sunday morning trips. The first three are on Sat, Oct. 14th.

TRIP 1. "A Field Guide to Plum River Fault"(Paleozoic stratigraphy and newly discovered structure in east-central Iowa) Fee \$13.00. Leaves from the parking lot behind Iowa Hall at 7:00 A.M. Back at 2:00 P.M. This will be by bus with a box lunch provided. This trip is by Greg Ludvigson, Bill Bunker, Brian Witzke, and Mike Bounk. (As some of you will remember Greg and Brian are two of our past scholarship students.)

Trip 2. "Iowa Erosion Surface- an old story, and Important Lesson, and some new wrinkles." Fee \$15.00. Meeting place same as first trip and lunch provided. By Hallberg, Fenton, Miller and Lutenecker. A bus trip also.

Trip 3...Engineering geology problems in Cedar Rapids area(dam, power plant and mall construction site) Fee \$10.00. Meet Amana Room Of Iowa Hall at 8:00 A.M. This is a trip by bus too.

Trip 5...Sunday, Oct. 15th. 7:30 til 12:00. "Geology and History of Stone City. This trip will be made by private car. meet behind Iowa Hall in the parking lot at 7:30 A.M. Trip is by Fred Dorheim & Ray Anderson.



CALENDAR OF EVENTS

- October 14-15...Iowa Geology Survey Field trips (see page 12)  
 " " 15....Pebble Pups Field trip (see page 1)  
 " " 14-15....Mason City, Iowa (Show)  
 " " 14-15....Clarinda, Iowa (Show)  
 " " 14-15....Lexington, Ky. (Show)  
 October 21-22.....Joliet, Ill. (Show)  
 " " 21-22.....Louisiana, Mo. (Show)  
 " " 21-22.....Sumner, Iowa (Show)  
 Oct. 21, 9:30 A.M...Robert Rider Estate auction, Fairfield, Iowa  
 Nov. 4-5.....Des Moines, Iowa (Show)  
 Nov. 4-5.....Marshalltown, Iowa (Show)

IOWA LANDFORMS

This book by Jean Cutler Prior is available from, Iowa Geological Survey, 123 N. Capitol Street, Iowa City, Iowa for \$2.00. A copy of this book has been donated to the club library, if you would like to look at it call Jeff Neko, Librarian.

CHANGE YOUR DIRECTORIES

Curtis Thorton and his family have moved to Florida. Until their new house is finished they will be living at the first address, after Nov. 1 they hope to be at the second address. Good luck finding coral Curtis, and we will be waiting to hear from you about your new rock hunting adventures. Please write us a story for the newsletter.

No. 1-Paradise Beach Club

975 Rt. A1A North  
Satellite Beach, Florida

No. 2-After Nov. 1st

461 Amherst Circle  
Satellite Beach, Florida 32937

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Max & Mel Freymuller have moved to Arkansas, here is their new address:  
Box 675, Rt. 6, Hot Springs, Arkansas 71901

\*\*\*\*\*

I received a change of address card from the Artmans. They are on their way to Arizona, said " Hope to be at the Oct. meeting." Their Ariz. address is already in your book.

\*\*\*\*\*

GET WELL WISHES TO DON SHAW. Don had surgery at Iowa on Sept. 28th. He got a new main aorta valve and by-pass surgery too. Neva stayed in a motel while he was there, they both came home Sunday. Neva says Don is getting along well enough but still has a few problems yet, but glad to be home. Please note their new address when sending Don a card, it is in the Sept. newsletter. They moved into a house in Aug.

\*\*\*\*\*

Are there any members interested in having workshops, study groups, etc. this winter???? Or what would you call it?? Any ideas?? What evening?? If you would like to do anything like this please call me., 377-3339.

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Ora Mae tells me she hasn't sent any cards so all the members must be fine. If you know of any member who is ill call Ora Mae so she can sent a card.

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Finally, I would appreciate stories, short or long, about your summer trips or Shows or Swaps you attended to publish in this newsletter. This newsletter should be written for our members, by our members. Please get articles you wish in that months newsletter to me by no later than the

1st. Others anytime. Look for Oct. Book, Valley, Helen, Robert & Mike

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