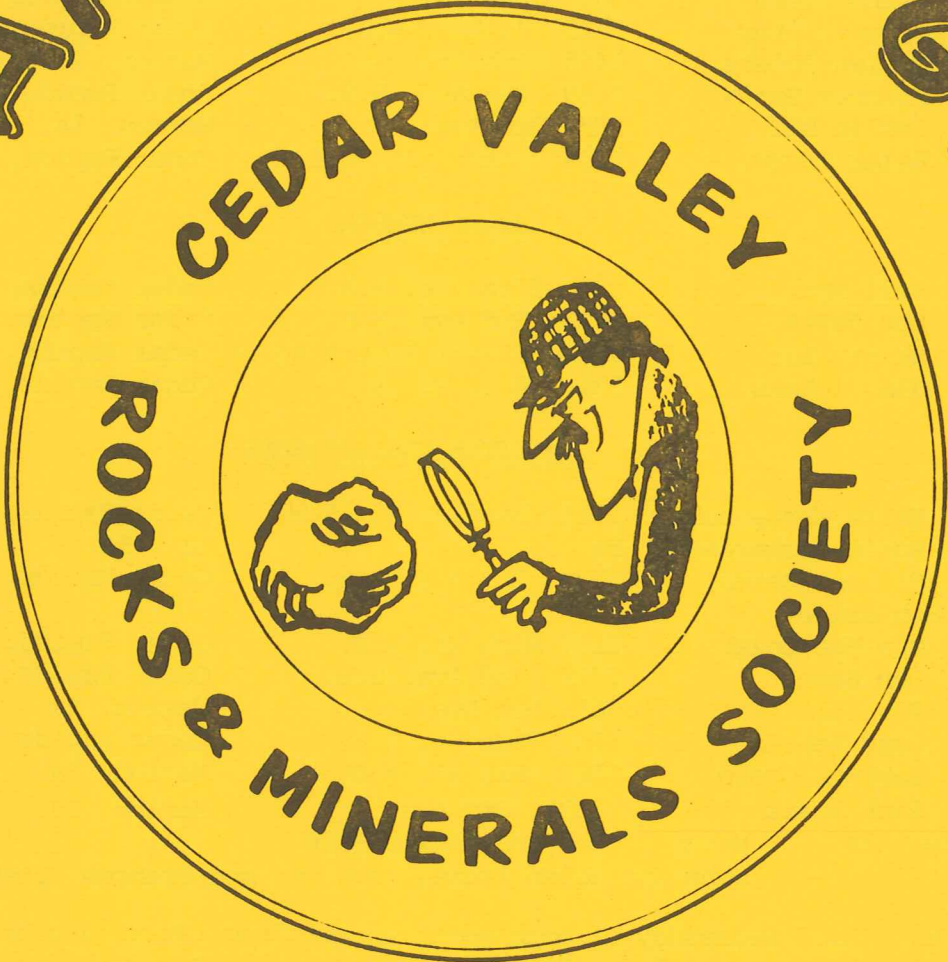


**CEDAR VALLEY**  
**GEMS**  
**ROCKS & MINERALS SOCIETY**



JUN 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, geology, paleontology, and the arts of lapidary. We were organized on June 12, 1951, incorporated on June 21, 1956, as a non-profit organization.

OFFICERS

President	Larry DeSotel	247 Sussex Drive N.E.	Cedar Rapids, Ia.	377-1641
Vice-Pres.	Alice Brown	360 Tonga Dr.	Hiawatha, Ia.	393-7193
Secretary	Alberta Cray	1125 J. Ave. N.W.	Cedar Rapids, Ia.	362-5530
Treasurer	Marian Peters	1475 24th St.	Marion, Ia.	377-2839
Liaison	Frances Bates	2739 2nd Ave. S.E.	Cedar Rapids, Ia.	366-6012
Editor	Leslie Blin	505 5th Ave.	Marion, Ia.	377-3339
Co-Editor	Helen Troxel	1138 Prairie Dr. N.E.	Cedar Rapids, Ia.	365-3451

BOARD MEMBERS

Term ends:				
Dec. 1978	Bill Myers	335 27th Ave. S.W.	Cedar Rapids, Ia.	362-7080
Dec. 1979	Don Bates	2739 2nd Ave. S.E.	Cedar Rapids, Ia.	366-6012
Dec. 1980	Skinny Lutz	Wiley Blvd & Rogers Rd. NW	Cedar Rapids, Ia.	396-6194
Past Pres.	Jim Dickens	531 30 th St. S.E.	Cedar Rapids, Ia.	363-7693

COMMITTEE CHAIRPERSONS

Membership	Helen Shedenhelm	2111 Chandler St. S.W.	Cedar Rapids, Ia.	365-3089
Hospitality	Rosie Richardson	Rt. 1,	Ely, Ia.	848-4040
	Frances Bates	2739 2nd Ave. S.E.	Cedar Rapids, Ia.	366-6012
Telephone & Sun shine	Ora Mae Cozart	2117 High Dr. S.E.	Cedar Rapids, Ia.	362-3471
Display	Don Bates	2739 2nd Ave. S.E.	Cedar Rapids, Ia.	366-6012
Supply	Pat Blin	505 5th Ave.	Marion, Ia.	377-3339
Librarian	Jeff Nekola	800 25th St. N.E.	Cedar Rapids, Ia.	363-9792
Historian	LaVonne Grove	700 35th St. #309	Marion, Ia.	377-3614
Field Trips	Rick Austin	2233½ 3rd Ave.	Marion, Ia.	377-4741
Resource Materials	Helen Troxel and Leslie Blin			
Pebble Pups	John and Helen Troxel, and Don and Frances Bates			

CLUB MEETINGS: Third Wednesday of each month except June, July, August, and December 7:30 P.M., R.E.C. Building in Marion -- 999 35th St.

BOARD MEETINGS: Fourth Wednesday of each month except June, July, and August -- 7:30P.M.

CLUB DUES: Due and payable January 1st of each year. Deadline is March 1st.  
Regular membership -- \$6.00 per adult couple; \$4.00 per single adult; \$6.00 per family membership.  
Junior or Pebble Pup Membership -- \$3.00 (A member under 18 years of age.  
Associate Membership -- \$4.00 per family (associate members will receive the club bulletins but may not vote or hold office.)  
 Persons joining during the year will pay dues to the nearest quarter.

Members are requested to contribute articles to be published in the bulletin. Articles should be given to the Editor by the FIRST of the month to be in that month's bulletin.

Articles may be reprinted if credit is given the author and the bulletin.



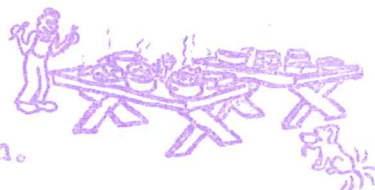
CEDAR VALLEY GEMS  
CEDAR VALLEY ROCKS AND MINERALS SOCIETY  
CEDAR RAPIDS, IOWA

JUNE 1978  
VOL. 5, ISSUE 10  
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JUNE MEETING-Potluck Picnic and Show meeting

Wednesday, JUNE 21st, 6:00 PM

At THOMAS PARK in Marion, in the Green pavilion.



A SHOW MEETING will be held after the potluck. All members are urged to attend. Come and learn the latest developments on the BIG Show and bring all your questions you have about the Show.

BRING - One or two covered dishes ( a meat or casserole type dish). PLUS a dessert or salad. Bring a beverage, table service and table cloth for your family. Coffee will be furnished. Bring all of your family and GUESTS are welcome.



MARK THESE ON YOUR CALENDAR!



The July picnic and Show meeting will be Wednesday, July 19, 6:00 pm At Thomas Park, Green pavilion.

SUNDAY, AUGUST 6, 5:00 pm, the August picnic and Show meeting. At Thomas Park, Green pavilion. Please note the change of date from our usual wed. picnics. This will be the FINAL Show meeting and all ribbons for committees will be presented to members working at the Show. BE SURE AND BEE THERE!!!!

FIELD TRIP! FIELD TRIP! FIELD TRIP! FIELD TRIP !!!!!!!!!!!!!

JULY 2.....Sunday, at 10:00 AM . Meet at the REC Building in Marion.

Field Trip Chairman Rick Austin will lead a field trip to Graf to collect cephalopods and to the lead and zinc district around Dubuque for minerals and crystals. If you have any questions call Rick. Mark July 2nd on your calendar and don't forget the sack or picnic lunch and collecting equipment.

CALENDAR OF EVENTS

- June 24-25...Ottumwa, Iowa (Swap)Park Pavilion
- July 8-9....Dubuque, Iowa (Show) Kennedy Mall
- July 14-16...Aledo, Illinois(All Ill. Roundup)and National Fossil Exchange. Buy, Sell & Swap. Mercer Co. Fairgrounds.
- July 15-16...Emerson, Iowa (Swap) Bass Memorial Park
- July 14-16...Monroe, Wash. (NW Fed. Show)
- July 27-30...Pleasanton, Calif.(National Show)
- July 29-30...Minocqua, Wisc. (Show)Lakeland High School
- August 5-6...Belvidere, Ill.(Show)Boone Co. Fairgrounds
- August 10-13.Cedar Rapids, Iowa( Midwest Fed. Show)Hawkeye Downs
- August 26-27.Grandview, Iowa(All Iowa Rbck Roundup) Swap, Sell, Buy
- Sept. 2-4....Omaha, Nebr. (Show)
- Sept. 16-17..Charles City, Iowa (Show)

DON'T FORGET....Exhibit forms are due by July 1st and pre-registration by July 15th..

SECRETARY'S REPORT - MAY GENERAL MEETING

Cedar Valley Rocks and Minerals Society met at the R.E.C. Bl'dg, in Marion, May 17, 1978, at 7:30 P.M.

The meeting was called to order by President Larry DeSotel. Guests were introduced, and a welcome extended.

Leslie Blin announced that Fran Bates needs help for the September meeting.

The secretary's report was approved as printed in the bulletin.

The treasurer's report was read by treasurer Marian Peters. Bills were presented for postage, masters, and repair to the duplicator. A motion was made that the bills be paid. Seconded and carried. Marian read a letter from the American Federation expressing their thanks for our contribution of \$116. to the scholarship fund.- This puts us at 400 %.

Larry read a letter congratulating the club and the editor, and which revealed that the bulletin has placed in the top ten.

Larry called our attention to the numerous flyers on the table, urged us to attend some of the events being advertised.

Neva Shaw thanked the Blin family for all of their assistance at the time the Shaws held their garage sale.

It was noted that delegates need to be named for the Midwest Federation meeting which will be held here August 12. Registration will be between 8 and 9 A.M., at the Sheraton Inn. Helen Shedenhelm was named delegate. Rick Austin will be the alternate.

It was called to our attention that Shirley Murray's phone # is incorrect in our book. Please change it to read 396-3949.

It was announced that Elwin Woof's mother had passed away.

Rick Austin, properties chairman, for the show, read a list of items he needs to secure for the show. Among the items listed were clipboards, high intensity lamps, and four wheeled carts (utility cart for typewriters for judges use.)

Rick also announced the next club field trip is set for Sunday, June 4. We will meet at the R.E.C. building at 12 noon.

Jeff Nekola, librarian, said he wished the club would consider subscribing to something other than Earth Science when our current subscription runs out. The board will discuss this.

Don Bates reported he would need some help with the swap area. He will be meeting with the Old Capitol Club to see just how many of them will be able to help. Closing hours of the swap area were discussed. They must close by 4 P.M. Sunday, August 13 to give plenty of time to cash in swap bucks before the show closes at 5 P.M.



Marian Peters reported that a number of the membership cards had been mailed out with the May bulletin.

Helen Troxel announced the Pebble Pups will go on a field trip to the Vinton Quarry, Saturday. They will meet at her house at 9 A.M. All members are welcome to go along.

Norman reminded members if they are planning on camping on the grounds during the show, they should be getting their pre-registration forms in. Also, the deadline for getting in your exhibit blanks is rapidly approaching.

We discussed if it might be beneficial to send an abbreviated bulletin in July in order to keep members well informed as to show progress. It was decided to do this.

Due to a health problem, Lloyd and Norma Banks have resigned as chairmen of the ribbon committee. Merrill and LaVonne Grove will assume this committee.

Norman reminded us there would be a show meeting following the picnic supper in June and July (3rd Wednesday), 6 P.M., at Thomas Park. We will also have a picnic supper and meeting Sunday, Aug. 6, at 5 P.M., Thomas Park. He emphasized that we should all plan to attend each of these and especially the August one as that is when all of our necessary ribbons, etc. will be distributed. He also reminded us of the show meeting set for 1:30 P.M., Marion Community Center next Sun.

Larry appointed Rick Austin, field trip chairman, Alice Brown, vice-president, and Bob Blin to work out some sort of a form which we might present to quarry owners when planning a field trip.

Larry announced LaVonne Grove will head the by-laws committee. Leslie will assist her.

Larry reported he and Truman had attended the spring Midwest Federation meeting. He exhibited a new safety manual which he brought home from that meeting. The Midwest Federation will send one copy to each club a bit later. Larry said he would donate this copy to the Pebble Pups. Our other copy will be placed in the club library. He reminded us of the Silent Auction which will be conducted by the Midwest Federation, at the show, and urged us to bring material for this auction. Be sure to include the club name with our donations, so that we might receive proper credit.

Larry said he still has 6 of the hard hats. Leslie Blin made a motion that the club purchase these at \$2.50 each. Seconded and carried. Larry exhibited some safety glasses which he can get for \$9. per doz. A motion was made to pick up a dozen of the glasses. Seconded and carried.

The business portion of the meeting closed.

Alice Brown introduced our speaker, Bob Jensen, of Iowa City. Bob took us on a very colorful trip through Colorado, with gorgeous scenery. Bob is a master story tell - even if it isn't all the truth??

→



Bob's narration of of the slide presentation was very interesting and enjoyable, and the photography was outstanding. Had most of us half way home packing a bag to leave for Colorado. Just beautiful !!!

SECRETARY'S REPORT - BOARD MEETING

The board met at the home of Jim and Mary Dickens, May 24, 1978. The meeting was called to order at 7:30 P.M., by President Larry DeSotel.

The treasurer's report was read. A motion was made that the bills be allowed. Seconded and carried. Bills included paper for the bulletin, repair to the ditto machine, safety glasses, hard hats, etc.

Correspondence was read. A letter from the Jaycees revealed plans for a Crafts and Collector's Market, August 27, at the Riverside Roundhouse - S.W. side of Cedar Rapids. A number of flyers, advertising show and swaps, were passed.

The 'Public Image and Courtesy Manual' from the Midwest Federation was exhibited.

Under old business, there was a query as to the whereabouts of the letter from LaVonne Grove, which outlined some of the necessary changes of the by-laws.

New business - we discussed the possibility of making a slide program of the 1978 show.

The responsibilities of the host and hostess at the regular monthly meetings were discussed. Someone must see to putting away the chairs and sweeping the floor, in addition to cleaning up the kitchen. It was suggested that some of the chores should be passed around. No action was taken. It was also suggested that the table should be covered, or that those persons bringing large specimens, should put a paper, or pad, of some kind, on the table.

Alice Brown reminded the group of Jeff's suggestion, at the general meeting, that we subscribe to Mineralogical Record rather than Earth Science, when our present subscription expires. This was discussed. It was noted that the Mineralogical Record is quite expensive, and the delivery was less than satisfactory. No action taken.

Alberta Cray announced she could have access to a quantity of file boxes, such as members have purchased at the auctions. She reported they had sold for .50 a piece at the auctions. Said she would get them if members would want them at .50 each, and the money could go in either the scholarship fund, or ??? She also asked if we felt they might sell some of these at the Midwest silent auction booth at the show. Several members volunteered they would take a quantity of the file boxes. The concensus of opinion was that they would be okay to take to the auction.

Don Bates made a motion that the meeting be adjourned. Seconded and carried.

Respectfully submitted, Alberta Cray  
Secretary

MIDWEST FEDERATION CONVENTION AND SHOW...August 10-11-12-13, 1978

This includes the additional meeting dates and times. Please use the pre-registration form in the April bulletin (or a photo-copy)  
EXCHANGE EDITORS...Please pass this information on to your club members.

Editor's Breakfast, Friday, August 11, 1978.....\$5.00  
Sheraton Inn - Convention Center  
7:00 A.M. - 9:00 A.M.  
Speaker - June Zeitner

State Director's meeting, Friday, August 11, 1978  
10:00 A.M. - Until ?? (no reservations required)

Executive meeting, Friday, August 11, 1978  
1:15 P.M. - Until ?? (no reservations required)

MWF Delegates meeting, Saturday, August 12, 1978.....\$6.00  
Sheraton Inn - Convention Center  
8:00 A.M. - 9:00 A.M. Registration  
9:00 A.M. - 12:00 noon Meeting  
12:00 noon - 1:15 P.M. Luncheon  
1:30 P.M. - 3:30 P.M. Meeting convenes

Awards Banquet, Saturday, August 12, 1978.....\$10.00  
Sheraton Inn - Convention Center  
5:30 P.M. Friendship Hour (Organ Music)  
6:30 P.M. Banquet  
Speaker - Dr. Stanley Grant, Iowa State Geologist  
(Editor's note... anyone can attend the Editor's breakfast, not just Editor s. Tickets to all events can be purchased as late as the day before but it would be best to send for them in advance.)

PASSES TO THE SHOW

Four day pass.....adult.....\$6.00  
Four day pass.....children.....\$3.00 (6 - 16)  
Daily tickets.....adult.....\$2.00  
Daily tickets.....children.....\$1.00 (6 - 16)  
Daily tickets.....Senior citizens...\$1.50  
Daily tickets....Family Group(2 adults, over 2 child)\$6.00  
\*\*\*\*\*

Show Ch., Norman Brown, ask me to remind club members of this;  
"If you want to go to the Banquet be sure your schedule is set up so someone is doing your job while you are gone."

The SUPPLY CHAIRMAN NEEDS THE LOAN OF: 17 clipboards, a kitch<sup>ch</sup> cart on rollers and a good microscope. If you can loan him any of these items call Rick Austin.

Needed;: Tiny tumbled stones, no larger than 1/2", for gluing on the pass cards that Hardees will be giving out. They are needed RIGHT NOW! Take them to Eleo, Anne & Dave Grisham or Call Norman Brown and he will pick them up.

Norman says he wants to have all committees to have everything finalized by the July 19th picnic, so get busy!!!!!!!!!!!!



MORE EXHIBITORS AT THE MWF SHOW-continued from May bulletin

Mike & Betty Harper-----St. Charles, Iowa -----Lapidary  
 Illinois State University ---Normal, Ill. -----Mineral  
 Bryce Barker-----Battle Creek, Michigan ----Crushed stone, scrim-  
 Robert Barker-----Dixon, Illinois shaw,silverwork,program.

Bert L. Cooper-----Jaynesville, Wisc.-----Lapidary-spheres  
 Alice M. Cooper Mineral-geodes

\*Charles & Bernice Haskin---Austin, Minn.-----Lapidary  
 Wm. & Ethel Becker-----St. Louis, Mo.-----State case  
 \*Jeff Nekola-----Cedar Rapids, Iowa -----(2)cases minerals  
 \*Raymon Ferguson-----Tipton, Iowa----- (2)cases--Lapidary& Black-  
 smith shop

Mildred Scheffel-----Peoria, Illinois---Pit 11 Fossils  
 Howard & Dorothy Clark-----Gary, Indiana-----Minerals  
 \*Lyle & Karen Waterman-----Nashua, Iowa---Mineral & Lapidary(3)  
 Otto & Wanda Ensminger---Lombard, Ill.----Mineral  
 \*Charles Shoemaker-----Northlake, Ill.-----Carvings  
 \* James Dickens-----Cedar Rapids, Iowa-----Fluorescent minerals  
 Marilyn Bekker-----Muscatine, Iowa-----Fossils  
 Mr. & Mrs. Bernard Bekker--Muscatine, Iowa-----Jewelry  
 Chicaupua Rockhound Society---Mt. Pleasant, Iowa--Lapidary & Iowa  
 coral (2) cases

Erwin D. Clough-----Storm Lake, Iowa-----Fantasy Fountian  
 Rock butterfly & Sphere  
 arrangement & spheres

\*our club members

I don't have room to list them all but here some of the exhibits to see at the show in August:

Michael Hager of Augustana College, of Rock Island, Illinois, will show the fabulous Solenhofen display of rare fossils, including a very rare flying reptile.

Lizzadro Museum, Elmhurst, Illinois, will exhibit carvings done in semi-precious stones.

Tolson Radloff will display "Crosses and Symbols",crafted of silver and opal.

Outstanding fossil collections will be exhibited by Helen Asher, of Peoria, Ill., Ansel Priest, of Peru, Iowa, The James Moores of Wisc, The Fryzell Museum, Rock Island, Ill and Don Good, of Aledo, Ill.

Many fine lapidary exhibits are confirmed. Some of the names you will recognize are Doris Kemp of Chicago area, Tolson Radloff of Michigan, Bernard and Mary Warmka of Minn., Ed Wilder of Wisc., and Maynard Green of Minn.

The latest addition to this list is Ute Bernhardt of Oak Park, Ill. She is a specialist in the art of carving cameos. You can read an article about her in the May Lapidary Journal page 468.

There will be a special cancellation of a stamp at the Show also.

There will be a Square dance on Friday night, 7:00 P.M.(free)



WHAT WILL YOUR HOBBY BE IF RARE 11 is passed???

By June Zeitner.....From the AFMS NEWSLETTER ,May 1978

Have you ever hunted rocks in South Dakots? This state has more acres of public land for rock hunting than any other Midwest State. Some prime areas, Red Shirt, a section of the Cheyenne River, and Indian Creek will be closed to vehicles and be absorbed in the gigantic and nationwide new Wilderness system, if Congress passes it. Millions of acres in many states may be withdrawn.

The environmental impact study on RARE 11 will be out in May. Watch for it. This could affect many of our prime free rock hunting areas on the Midwest and West.

The public will have several months to react to the program as recommended in the study. Every collector is urged to help give the point of view of our hobby. Write to the U.S. FOREST SERVICE and to your nearest Forest Service office. (Regional headquarters for the threatened land in South Dakota is Denver.) But also write to your congressmen!!!

Letters should be written in your own words as individuals. Don't be emotional. Give a straight facts, plainly stated. For example, rock hunting may be a family recreation for you, and roads may be necessary for you to reach your favorite areas, as your family may have someone too old, or too young, or too handicapped, to reach the spots otherwise. Or you could be making a scientific collection of fluorescent rocks and have a dark room installed in your van. Or your time may be so limited that you would be spending all of your time walking to the location, if there were no roads. Whatever your reasons, state them plainly and simply and let people know your opinion, and what you think should be done.

Most of the lands in RARE 11 should be multiple use. Remember to state that we are collecting for educational purposes. We support the earth sciences and the lapidary arts. We are not destructive. We are not kill-ing wild life or destroying scenery. Our hobby is good for us and good for the country!

For a copy of the environmental impact statement (due out in May) and Material about RARE 11, write the Denver Forest Service Office, 11177 W. 8th Ave., Lakewood, Colo. 80225. Ask to be on the mailing list.

Lots of letters will help. We may also need phone calls, telegrams, and personal visits to congressmen. This may be the summer we will each have to stand up and be counted for the future of our hobby.

---

S.O.S. from the PIK-N-ROK CLUB in North Dakota.  
Via the Black Hills Prospector  
bulletin of the Black hills Mineral Society, Rapid City, S.D.

"If you have enjoyed Fairburn agate hunting in our state or wish to help us keep our freedom to be able to freely hunt on our grasslands, write to your congressmen, make him aware."

One address they gave to write to is: Teno Boncalio, Chairman of Public Lands Committee, 1134 Longworth House Office Building, Washington, D.C. 20515



CHICAGO LAND SHOW.....by Alice Brown

Cedar Vally rocks and Minerals Society members attending the Chicago show were Bud & Alberta Cray, Gerry & Joe Kysilka, Don, Marie & Craig Simmons and Norman & Alice Brown and Chuck & Dorothy Shoemaker. The latter couple are from the Chicago area.

There were many and varied programs & demonstrations throughout the show. These included Ute Bernhardt who artfully carves faces of family and friends on agate, onyx and obsidian and other gem stone material forming beautiful cameos.

An opal workshop was conducted periodically allowing patrons to make an opal tripllett.

There were craftsman forming trees laden with tiny polished stones, siversmithing and coin cutting were also represented.

A large swap area presented a variety of materials that could be purchased by the use of swap bucks.

Many retail & wholesale dealers were in attendance with a good variety of mineral specimens, cutting, fossils and seni-precious stones.

There were many competitive and non-competitive cases in all phases of the hobby. Quite a few of the exhibits will be on display at the Midwest Federation Show to be held in Cedar Rapids, August 10,11,12- and 13 at Hawkeye Downs. YOU DON'T WANT TO MISS THEM!!!!

Temperatures were in the 90s all three days and very humid--also no air conditioning. HmMMMM, could this have been a preview of the Midwest Federation show in Cedar Rapids in August!

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SOLNHOFEN, A Page From the Past

The May-June issue of Earth Science has an article by Richard Johannesen about Solnhofen, A Page From the Past. This is the display that will be featured at our Show in August. Look it up, or borrow it from the club library. I think you will find it interesting.

EARTH SCIENCE TO BECOME QUARTERLY

Also, in the same issue, the editors reveal that Earth Science will become a quarterly magazine, rather than bi-monthly beginning with the July-August- September issue. They wish to maintain the same quality, and the same price. Since the costs of paper and postage have increased this is a necessary step.

"May we remind you?: According to the International Division of the U.S. Geological Survey, Earth Science is the only illustrated educational magazine of popular geology in the world. It goes to as many as 148 countries. Our Board of Advisors consists of experts all over the globe. This publication is professionally edited and is now indexed in Reader's Guide to Periodical Literature."

Both of these articles by Alberta Cray



READ AND REMEMBER!!! American Federations of Mineralogical Societies

CODE OF ETHICS

- I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.
- I will keep informed on all laws, regulations or rules governing collecting on public lands and will observe them.
- I will, to the best of my ability, ascertain boundary lines of property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no wilful damage to property of any kind-fences, signs, buildings, etc.
- I will leave all gates as found.
- I will build fires in designated or safe places only and will be certain they are completely extinguished before I leave the area.
- I will discard no burning material- matches, cigarettes, etc.
- I will fill all excavation holes which may be dangerous to livestock.
- I will not contaminate wells, creeks, or other water supply.
- I will cause no wilful damage to collecting material and will take home only what I can reasonably use.
- I will support the rockhound project H.E.L.P.(Help Eliminate Litter Please) and will leave all collecting areas devoid of litter, regardless of how found.
- I will cooperate with field trip leaders and those in designated authority in all collecting areas.
- I will report to my club or federation officers, Bureau of Land Management, or other proper authorities, any deposit of petrified wood or other material on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- I will appreciate and protect our heritage of natural resources.
- I will observe the "Golden Rule", will use "Good Outdoor Manners" and will at all times conduct myself in a manner which will add to the stature and "public image" of rockhounds everywhere.  
\*\*\*\*\*
- I took this from ROCK TALK of Waterloo, from O PIONEERS! Willa Cather  
" The land belongs to the future...We come and go but the land is always here. And the people who love it and understand it are the people who own it - for a little while."

OF SAND AND SANDSTONES-----PART IV

What is sand, mud, pebbles, boulders? Perhaps the following table will help us to use these terms and others correctly.  
 Submitted by Helen Troxel...Taken from --Pettijohn, F. J. Sedimentary Rocks, Harper and Row, N.Y., 1975. 30.

Size limits of common grade and rock terms of sedimentary or epiclastic rocks						
Size	Rounded, subrounded, subangular			Angular		
	Fragment	"Roundstone"	Aggregate	Fragment	Aggregate	
256 mm (10 1/8")	Boulder			Boulder gravel Boulder conglomerate	Block	
	Cobble			Cobble gravel Cobble conglomerate	-----	
64 mm (2 1/2")	Pebble			Pebble gravel Pebble conglomerate	-----	Breccia
4 mm (1 1/2")	Granule			Granule gravel	-----	
2 mm (4/5")	Sand			Sand Sandstone	-----	-- 1 mm -- Grit
1/16 mm (.02")	Silt			Silt Siltstone	-----	-- 1/8" --
1/256 (.001")	Clay			Clay Shale	-----	-----

HINTS--A little graphite powder mixed with chrome oxide and applied to ordinary canvas (muslin) buff makes a wonderful jade polishing agent and is also fine on some hard to polish agates....From The Geode, via Cabber

If you're having trouble with your dop wax breaking between the dop and the wax, it is too brittle. Add a piece of beeswax the size of a pea to a quarter pound of wax....From The Geode, via Birmingham's Newsketter.

After final tumbler stage with silicon carbide, return stones to tumbler and fill with water one inch below top of stones. Add one cup of spic and span for each pound of rocks. Rotate one week. Remove, wash well. Replace in barrel and run in clear water one week. Results are equal to polish obtained by using any of the oxides.....From The Geode via Birmingham's Newsletter, via Puget Sounder via Rocky Trails & Agatizer.



TULLIMONSTRUM gregarium (Tully Monster) By Richard Rock  
From ILLOWA News Grinder.. April 1978

The "tully monster" was first brought to the Field Museum of Natural History, in Chicago, in 1958, by Mr. Francis Tully, then of Lockport. Since then, many thousands of specimens have been found by fossil collectors. The monster is only found in Illinois, at Pit 11, Morris, and Astoria. The Tully Monster has not been assigned a Phylum, because it does not fit into any known Phylum. They are found in the concretions of the Carbondale Formation. This strange animal existed during the Pennsylvania Period, some 280 million years ago.

Russell MacFall and Jay Wollin, in their book, "Fossils for Amateurs," described the Tully Monster as, "The creature, if it is a creature, had an elongated, cigar-shaped body divided into segments. At one end was a spade-like tail and on the other a slender snout ending into a toothed claw. Behind the snout a bar terminated by two small humps crossed the body. The strange creature was about five inches long."

Mr. Francis Tully found his monster in the late 1950's. The strip mine area of Pit 11 has abundant fossils to be found. Mr. Tully has an outstanding collection, but it has taken him many years of repeated trips into the stripmines of Illinois.

The Morris area is located one mile west, on Route 6. The Astoria area is located North of Astoria about three miles, on Pearl Street. This area has been leveled and planted in grain. The Pit 11 location is south of Braidwood on Route 53, about three miles.

The Pit 11 area will soon be mostly underwater, or whatever Commonwealth Edison decides to do with it?????

So GET OUT AND COLLECT!!!!

EQUATOR MAY ONCE HAVE CUT ACROSS AMERICAN MIDWEST

Evidence is being found in our Midwestern Coal fields that three hundred million years ago the earth's equator cut across what is now the American Midwest, and that part of this country and parts of Europe and the Soviet Union probably belonged to the same continent.

The evidence is found in coal balls (petrified peat) which contains fossil remains of plants which failed to carbonate and become coal.

Dr. Tom Phillips and his graduate students in paleobotany at the University of Illinois are studying coal balls to determine plant life of the period. They have found that remains of plants in the petrified peat resemble plants found today in the tropics; evidence that the earth's equator was once in a different position. They found several hundred species of plants including tree ferns and club mosses, which have the same characteristics as their modern tropical descendants.

"Stacked up in coal is the history of what was going on in the swamp," Phillips said. He said that he can study Russian plants here by going to southern Illinois. This uniformity further substantiates the theory of continental drift. A coal seam from what is called the Pennsylvanian period extends on an arc from Oklahoma eastward and would connect with the continuation across the Atlantic if the continents were shoved together.....continued.....



EQUATOR... continued

Coal balls with the same material have been found in the Donetz Basin in the Soviet Union and also in Great Britain, Germany, Belgium and the Netherlands.

From Rock Talk via The Pyriter, via Michigan Gem News & Crystal Lines

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BELIEVE IT OR NOT---by Jeff Nekola



I found oil in Chicago. It was in vugs in a dolomite found on an old beach shore about 50 miles from the present day Lake Michigan shore. It fluoresces brown.

\*\*\*\*\*

We are receiving a new exchange bulletin... CRYSTAL LINES from the Geology Section of the Peoria Academy of Science. It is a very good newsletter, pick up a copy at a meeting and read it.

We are receiving a revised issue of the GEODE NEWSLETTER with a new Editor, Carol Hankin, Welcome! It is the first newsletter to have a ROCKHOUND CENTERFOLD. Really cute! Who would like to pose for our club newsletter centerfold???

A CHUCKLE - By Francis Vore - Micro-Bits -via Gem of the Foothills-  
Monrovia- From The Geode

ALMSTHADITE - refers to a specimen of which the major portion remains on public display in a remote quarry.

CANTQUITESPELLITE - resembles a specimen in the University collection with an even longer and more complex name.

CANTREMEMBERITE - one of the more common specimens typically from locations generally unknown in the present time.

DROPPEDITE - a collection of cleavage fragments representing a high quality cabinet specimen formerly on display.

NOLABELITE - 1 of a class of minerals or fossils of relatively little value appearing in most private collections.

ONCEHADITE - used in reference to extremely unusual specimens traded at rocks swaps before true identity was realized.

USEDTOHAVITE - a secondary form of specimens including marasite, best recognized by the permanent brown ring where the specimens formerly sat on the shelf.

From The Pick & Shovel , via Puget Sounder, via Gemdrops

A rockhound is a kind of nut  
Whose mind is slightly undercut;  
He swings a pick and drives a jeep  
And dreams of agate in his sleep.  
He'll pick up any kind of stone  
Or piece of glass or even bone.  
If he can't name it, he'll assert  
That he has found a piece of chert.....

FREE PASS TO THE MWF SHOW-



Any member who heads a committee or works on a committee will get a free pass to the BIG SHOW. If you don't have a job be sure and attend the Picnic & Show meeting and Norman will have his job list ready. Lots

of FREE FOOD there, too. See you there!!!!!! *Leslie, Pat, Bob, Nell, Robert*



REMEMBER THE "Fabulous Keokuk Geodes" Vol. 2 by Steven Sinotte???????

Alberta Cray wants to know the names of all club members who did not receive that book. She received a letter from the author today and he wants the canceled checks. Please call Alberta soon if you do remember this it was about 6 years about when we sent for them.

1978 Scholarship Student

LaVonne Grove received a letter from Dr. Hoppin of the Geology Dept. at Iowa City stating that he has selected Richard Hager to receive our club \$200. Scholarship. This will help pay for his summer field trip which is required to graduate. We will learn more about him later and hopefully he will present a program next fall.

FOR SALE----File boxes of two sizes - handy for back issues of favorite magazines of whatever. We have lots of take. The money will go into the scholarship fund or ??? They are .50 each. I will try and bring a quantity to the picnic - if I don't forget. If you know you want some call me ahead, and I will definitely have them along.

Alberta Cray

GET WELL!!



Ora Mae Cozart is in Mercy Hospital, room 4112, get well soon!! Louise said she went in Sunday, bleeding ulcer. So lets all send our Sunshine Ch. a card.

Alice had an accident at work, broke her nose, blacked her eye and bumped her leg but sounds like shes going full speed ahead now.

Jeff broke his toe, would you believe he stepped in a hole, in the playground?

Ray Shadenhelm is back to work, says he's feeling so-so.

As some of you may know Elmo and Louise Nolan were scheduled to be at the Rocky Mountain show in Colorado Springs this past weekend. They had to cancel as Louise's doctor would not release her. I have no word of what her problem is. Might be nice to drop them a card. Alberta Cray Address is: 643 E. 2nd St., Pass Christian, Miss. 39571

CHANGES IN CLUB DIRECTORY

Rick & Chris Austin has moved, change them to 440 10th St., Marion

Change Stacy Ann to STACEY and Thomas, STACEY is a BOY! This will be found under Roger and Patricia Dabler. Sorry about that Stacey!!

I made a mistake in the spelling of Austin's new baby, its spelled Ian.

FREE ROCKS

John & Helen Troxel are moved into their new home on Prairie Dr. They have been sorting their rocks and want to get rid of some of them so: FREE ROCKS!!! FREE ROCKS!!! She ask that the pebble pups come from 10 - 12 on Friday the 16th and club members may come after noon any-time. You might give them a ring first when you'd like to go.

CEDAR VALLEY GEMS  
Mrs. Robert Blin - Editor  
505 - 5th AVENUE  
MARION, IOWA 52302

Dear Mrs. Blin:

I am writing to you to express my appreciation for the article you published in the recent issue of Cedar Valley Gems. The information was most helpful and interesting.

I am sure that your readers will find the article very informative. I am sure that you will continue to publish articles of this nature.

Sincerely,  
[Signature]

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