

CEDAR VALLEY GEMS

CEDAR VALLEY ROCKS & MINERALS SOCIETY
CEDAR RAPIDS, IOWA

CEDAR VALLEY GEMS

MAY 2011

VOL. 37, ISSUE 9 P. 1

Cedar Valley Rocks & Minerals Society will meet on **Tuesday, May 17th** at 7:15pm @ **Rockwell Collins 35th St Plant, Cafeteria** - (Bldg 140) 855 35th St. NE, Cedar Rapids, IA. This month's host and hostess will be Dell James and Bob Roper. **From VP Bill about May's presentation:** Paul Garvin will be presenting, "The Mysteries of Teotihuacan". Although the talk will emphasize cultural archaeology, there will be plenty of geology (rocks, volcanoes). See you at the meeting. Cheers, your VP Bill.

The Board Meeting will be held on **Tuesday, June 7th** at 7:15pm at the home of Marv and Sue Houg.

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Another nugget about our May meeting guest - Paul Garvin:

## "Iowa Gems and Minerals Requested"

Paul Garvin has been asked by the University of Iowa Press to contribute to their laminate series. These are popular publications that emphasize color photographs with a minimum of text. The subject will be Iowa Gems and Minerals. Paul needs to identify high-quality specimens for photography to supplement those he already has. In particular he will need:

1. millerite - from Klein, Ollie, anywhere but Conklin
2. Iowa geodes - quartz alone, and with other minerals
3. good galena from Dubuque
4. polished Lake Superior, Keswick and other Iowa agates - including in jewelry

He will need to borrow the specimens long enough to photograph them at Cornell. Of course, credit will be given to all lenders.

This should be a high visibility publication, which will help dispel the myth that world-class minerals cannot possibly be found Iowa.

I would like to thank everyone who helped in putting together another very successful show. We had many very positive comments both from the dealers and the people attending the show. Many of the comments were how everyone was happy with the new location and the space it offered as well as convenience for both the vendors and the public.

We have one regular meeting left before we head into the summer picnics. While we have had some good programs, our attendance at the meetings has been pretty low. I would encourage a good attendance at this next meeting as our speaker will be Paul Garvin who always gives a very good program.

Marvin Houg, President

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Field Trip update:

Our May 1 field trip was a big success with 45 people in attendance on a day that was very nice for collecting. For many of those attending, it was their first field trip to the Klein Quarry. A lot of calcite was found and some nice millerite was found. Also, many fossils were found, particularly many nice trilobites. Some of the nicest trilobites I have seen from this quarry were found on this field trip.

Hope everyone had a great time!
Marv

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### Curious Facts

**Gems are usually weighed in carats.** Before the universal adoption of the metric carat in 1913, the unit of weight used by gem dealers varied from one country to another. A carat was originally the weight of a seed of the carob or locust tree, native to the Mediterranean region. The word Karat is quite different and refers to the purity of gold alloy. The present carat equals 1/5 of a gram and about 150 carats are equivalent to an ounce. Each carat is divided into 100 parts called points.

**A crystal is one of the strangest objects of nature.** It is not alive yet, it grows. A crystal attracts the same kind of materials of which it is composed, arranges them with great accuracy in geometrical forms, cements them together and holds them. Place a crystal in a liquid or vapor composed of the same ingredients as the crystal and the process of accumulation immediately begins. If a crystal is broken into two parts and placed in a bath of liquefied crystal, the broken surface will be repaired and each part will grow into another crystal, providing the other conditions favorable for crystal growth are present. Even after a crystal is worn until it is but a rounded grain of sand, it will speedily become a crystal again if placed in a solution containing the ingredients of which it is composed. There is no known limit to the ability of a crystal thus to repair itself and resume its growth.

Did you know that **rubies and sapphires** are the same mineral? Both are corundum, a mineral that comes in a wide range of colors. All colors of corundum are called sapphires except red which are called rubies.

Via *The Quarry* 3/2011

## **Why The MWF** **by Cindy Root, 1<sup>st</sup> Vice President - MWF**

It doesn't matter which club you belong to, you will eventually hear someone ask, "Why do we have to belong to the Midwest Federation and pay for their insurance?" Really, that's two questions.

First let's deal with the insurance question. You don't have to purchase insurance. The insurance is there to protect your club on field trips and during shows. If your club does neither, you wouldn't need it. If your club only has a portion of the membership who participates on field trips, you wouldn't need coverage for your entire club. I've heard clubs talk about getting their own insurance. Good luck. Who will you have to take care of the business end of getting insurance and where will you get as cheap a rate? Check into it. People have and they've been very unpleasantly surprised.

The big question - why should we belong to the Midwest Federation? Here are some questions for you.

Where else will you find the resources available to your club than membership with the Midwest Federation? There are programs available for your club to use on almost any rock-hounding subject for only five dollars to cover postage and insurance. Have you ever been to a meeting where any of these programs have been used?

There are 34 committees with chairs. Has your club ever used one of these chairpersons as a resource? If not, why not?

Have you challenged yourself lately? There are several contests that occur every year with very few participants. What stops your club from entering any of these? The ones that particularly come to mind are Bulletin Editor, Articles and Website. Only three clubs entered the website contest this year. Why is that?

Have you ever visited the MWF website for information on programs, or who you could contact with questions or possibly even a committee chair in your area who might speak at one of your meetings? There are all sorts of resources available to you from the MWF. Are you aware that all of the club shows are listed by month on the website? Where else would your club get as much coverage? If you didn't send in your show information with your club registration, all it takes to get the information on the website is a simple e-mail. Have changes that need to be made to your information? That's as simple as an e-mail too.

Why aren't more people and clubs taking advantage of these resources? Do you get this information from your club's liaison to the MWF? Have you ever seen a MWF newsletter? Your liaison gets one every month—an AMFS newsletter too. Do they get circulated? Do you hear about the contests and other events taking place?

Ask your club's leaders about their interaction with the MWF. Do they participate or just complain? There's more to a rock hound club than preparing for the yearly show. If that's all you're getting, you need to expect more. How better to increase your participation and education concerning your hobby than to take advantage of the resources available to you by being a member of the Midwest Federation. No man is an island, but a rock club could be.

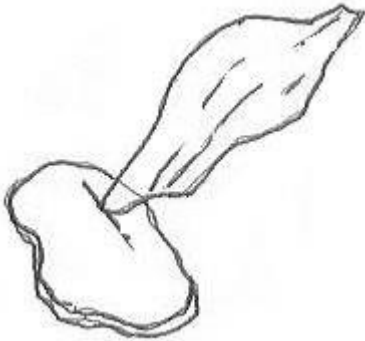
Probably the most important aspect of being an active member of the MWF is the people you will meet and the friends you will make. I'm certain that each of you has made friends among the members of your club. Think of that on a larger scale. You will be delightedly surprised at the knowledge and experience shared among MWF members. Why wouldn't you want to share in that benefit?

Are you aware that this year's convention is in Toledo and includes more than just meetings? Next year's will be in Minnesota and will be all about agates. Just because you're not the club liaison doesn't mean you can't come if you're interested.

**JUNIOR ACTIVITIES****HARDNESS**

Written by Michele Yamanaka, Former MWF Junior Activities Chairman (as published in the 2010 Junior Activities Handbook)

Knowing how hard a mineral is helps you to know what it is. Some minerals like talc are very soft, while others like quartz are quite hard. A German mineralogist (scientist who studies minerals) named Friedrich Mohs in 1822 made up a scale of hardness in which every mineral has a designated hardness between 1 and 10. Other people thought his scale was very complete and helpful and it became the standard for hardness that we still use today.



Use fresh surface of mineral Rub scratch to make sure it isn't powder of another mineral

**Mohs Scale of Hardness**

1. Talc
2. Gypsum
3. Calcite
4. Fluorite
5. Apatite
6. Orthoclase
7. Quartz
8. Topaz
9. Corundum
10. Diamond

**Comparisons**

- Fingernail - 2.5  
 Penny - 3  
 Window glass - 5.5  
 Steel file - 6.5

In this scale, a common mineral was chosen to represent each of the 10 levels of hardness. Any mineral will scratch any other mineral that is softer than it is (or is lower on the scale). Any mineral higher on the scale, or harder, will scratch it. Sometimes, it is easier to use common objects instead of minerals to test hardness. Those objects and their hardness are listed under the scale.

Test your understanding: What three minerals can fluorite scratch? \_\_\_\_\_ & \_\_\_\_\_ & \_\_\_\_\_.

**A few more notes from the March show:**

### **OBSERVATIONS FROM THE DINO PIT**

Dell James

Without a doubt, the 2011 was "legit"; that's what the kids say when things are "neat" or "cool". We had a language and they have theirs. No matter what lingo you use, the show was "off the hook." My view was mainly looking over the plaster molds.

The pot luck on Friday night was stupendous, extraordinaire, out of this world and truly "tight". You guys out done yourselves. There were three eight foot tables end to end lined with food. The drinks were elsewhere. It was unbelievable; not only for the amount but also for the quality. We had everything from corned beef and cabbage to quiche. *OMG!*

The other view I had was to look toward the Gem Flume. That wagon was full every time I looked and that was often. The kids seemed to make their way from the flume toward the pebble pit and the dino tracks and they were proud of their little bags of goodies. And of course they wanted their plaster molds of fossils or whatever.

I have made these molds for four years and I have never run out of plaster. We did this year. And frankly, I was glad to see the bottom of that bag. I figured that I had \$47.00 in the cup at the end of the day and at 50 cents a piece that means that we made 94 plaster molds on Sunday, at least. Next year, my fee goes up. Bottom line, it was "insane."

So everyone who helped in any way at all, pat your self on the back. Lots of work and coming together as a club made it a "sweet" show. Next year will be even sweeter and now is the time to come up with a "killer" theme.

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From Helen Sullivan - also known affectionately as Ornerly:

This is just a note to let you know that Gerry had a great show this year. As always CVRM puts on the best show and it is also our favorite. I want to thank everyone for their kind thoughts and prayers for my speedy recovery. It worked! I am doing great and plan to be at next year's show with Gerry.

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**Summer picnics are getting close. These are the tentative sites and will be finalized next month. For June - Thomas Park in Marion and we'll have an inter-club sale amongst ourselves. For July - Squaw Creek Park in Marion and we'll have our annual geode cracking evening. For August - Morgan Creek Park in Cedar Rapids and we'll play bingo for some wonderful prizes picked up at the show. These will occur on the same third Tuesday of the month as the regular meetings. Next month's newsletter will have the final dates and places.**

## Fairburn Agate State Gemstone of South Dakota

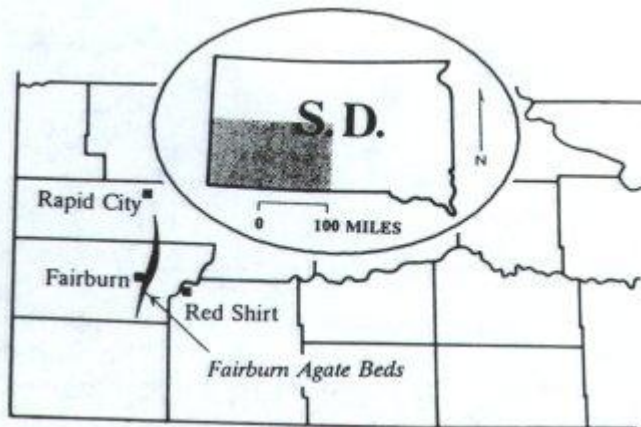
### What Is A Fairburn Agate?

Agates, in nodules and geodes, are some of the most popular varieties of silica. Agate forms under sedimentary conditions. Agates consist of alternating layers of fibrous chalcedony with circular to semicircular layers, patterns, or bands like rings of targets. These layers may be composed of different thicknesses and colors. The layers are usually concentric and parallel to the walls of the rock cavity in which they are deposited. Fairburn agates are formed in this way.

Fairburn agates are noted for their strikingly contrasted, thin bands of wonderful natural colors. The color patterns are generally yellowish-brown with narrow opaque white bands, or dark red with white bands. However, another beautiful combination shows salmon-pink bands alternating with white bands. Other colors included in these agates are black, yellow, grayish-blue and milky-pink.

### Where Are They Found?

These agates were originally named after a prolific locality 10 miles east of Fairburn, South Dakota, in the southern Black Hills area. Fairburn agates occur in a broad elliptical belt extending from Creston in Pennington County, South Dakota, to near Orella in Sioux County, Nebraska, with the maximum width approaching 15 miles near Red Shirt, South Dakota. The Fairburn agate fields cover thousands of acres of very stony land and most of it is rugged terrain, well decorated with cactus, weeds, and cedar trees.



### What Regulations Apply To Collecting Agates?

Common sense dictates that safety should be the first consideration. If a rock is hit with a hammer, safety glasses should be worn. Watch out for other individuals and for falling rocks.

New legislation states that no more than one square meter of land may be disturbed by people collecting for their own enjoyment. In general, permission must be received before any samples are collected from privately owned land, and no collecting is allowed on state or federal lands. For example, collecting is not allowed at Custer State Park. Small samples may be collected along South Dakota's roads and highways after permission has been granted from the nearest Regional Department of Transportation (DOT) office (Table 1). The DOT's concern is that rock removal may hasten erosion and road cut instability. Permission must be granted from tribal authorities before collecting begins on Indian lands.

Collecting is currently allowed on Bureau of Land Management land, in the Buffalo Gap National Grasslands, and in the Black Hills National Forest. The Buffalo Gap National Grasslands has a designated area northeast of the town of Fairburn to promote agate collecting.

*Cedar Valley Rock and Mineral Society  
Board Meeting Minutes May 3 , 2011*

Members Present: Marv Houg, Dale Stout, Bill Desmarais, Sharon Sonnleitner, Dell James, Tom Whitlatch, Leonard Moellers

Call to order: 7:25 p.m. by Marv, President

#### SHOW REPORT

Approximately \$6800.00 profit. Suggestion made by Marv that we may want to look into providing a "shopping" bag for sale at the show. It would include our club info on the outside Dell will look into costs, availability. Marv will check with his source too.

#### DUES

Should we raise dues? Discussion regarding our current dues of \$10.00 does not cover the basic expense of being a member which includes federation dues, insurance and newsletter. **Motion made by Bill to recommend to the club that dues be raised as of January 2012 to \$15.00 a year per member. 2<sup>nd</sup> by Leonard.** Discussion followed regarding current membership and new members. How do we encourage participation? Motion approved.

#### SCHOLARSHIPS

**Motion made by Dale and 2<sup>nd</sup> by Leonard to recommend to club that the scholarships continue as previously awarded**

**\$2500.00 to University of Iowa, \$2000 to VAST and \$2500.00 to Cornell.**

Motion approved.

Motion made to add addresses of Ray Anderson, Tom Marshall, Paul Garvin to newspaper mailing list by Dale, 2<sup>nd</sup> by Bill. Discussion of how they all benefit the club by their participation. Motion approved.

Motion made to Add Deb Tisor to above by Tom and 2<sup>nd</sup> by Dale.

Motion approved.

Sharon will get addresses.

#### AUCTION

Review of potential contributors. 805 lots currently obtained. Still need more if there is to be a two day auction.

Contracts need to be signed with lists of materials to add to flyers. Tom will contact Bob about lists, etc.

Food at auction depends on length of auction and who may want to do it. More to follow.

#### FIELD TRIPS

Waterloo Club

May 14      Gilbertville Sand-8:30 am to 12:00 (Agates and few fossils)  
                 Waterloo Sand 12:30 to 4:30

May 21      Waterloo South 8:30 am  
                 Age restricted to 6<sup>th</sup> grade and up. All safety precautions are enforced. (Mineral specimens)

Must be members of Waterloo club \$10.00 individual and \$15.00 family.

#### NEW BUSINESS

Paul Garvin retired Cornell professor will present the program at our next club meeting about rocks and volcanoes.

He needs quality items to take pictures of for a production he is putting together. He wants minerals and gems. No fossils. Bring them to the meeting with you and talk to him.

Dale received a certificate and a thank you note from the Science Fair for our donation.  
Book advertisement about "Diamond Inclusions" - anyone interested can contact Dale.

Tom reported on the Midwest Federation meeting in Kalamazoo, MI. Julie has been appointed the chairman for the federation endowment fund.

Upcoming Midwest shows-Toledo 2011, Cottage Grove MN with (AFMS)2012, Lincoln, NE 2013, Iowa Des Moines 2014.

MSHA certification - Marv still working on it.

### **Adjournment**

Motion made by Dell to adjourn, 2<sup>nd</sup> by Leonard. Motion adjourned at 9:30 p.m.

Respectfully submitted,  
Dell James, Sec.

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*Cedar Valley Rock and Mineral Society Monthly Meeting
April 19, 2011
Bob And Joy Cummings*

Call to order: 7:25 p.m. by Marv Houg, President

Introduction of guests and new members -none

Minutes of last meeting were reviewed as written. Motion made to approve by Julie , second by Jeff Kohl. Minutes approved as written.

Treasurer's Report by Dale Stout. Checking account balance \$9751.04 Motion made to accept treasurer's report by Jeff, 2nd by Leonard . Report approved as reported.

Monthly Program- U of I geology students presenting field experiences. Also, Dr. Ingrid Peate presented a program entitled "Mars on Earth". An update on the things done here to prepare for a Mars landing and a robotic machine tuned to study and send back information to the earth dwellers. Super interesting!

Door Prize winner-Tom Whitlatch chose Lapis point

Correspondence- Sharon received a call from Hoover Fest on August 6, 2011 inquiring if the club would like to participate. More will be discussed by Board.

Bill - Reviewed the VAST thank you and an apology from them regarding the lateness of the Thank You.

Old Business

Klein Quarry Field Trip scheduled for May 1. See newsletter for details and times.

Auction update

Marv reported that we currently have about 750 lots for sale. For a two day show, we should have about 1200. Asked that anyone who knows of a collection with quality material please let the Board know soon.

New Business

Motion made by Julie to have a 2012 show on the third weekend in March, (March 17-18). Second by Tom. Discussion followed regarding the change of venue this year to Hawkeye Downs. Comments by vendors and attendees were positive-more room, better lighting, convenience of loading and unloading, easier entry, higher attendance. A few suggestions -Need better microphone to announce silent auctions, action was less this year.

Map needed for location of vendors, exhibits. Can food service be improved?

Motion approved.

MSHA certification-Marv presented the growing importance of obtaining MSHA certification. The time may come that will prevent people from entering quarries etc. who do have certification. There is an interest and Marv will explore further about how the training necessary to receive certification and how it can be obtained; the cost of the training; the length and what the certification covers. Sharon suggested that the training may be opened up to other clubs to help cover the expenses if any. More to follow.

Upcoming filed trips

Marv reported that St. Francisville cost is 50 cents a pound up to a five gallon bucket, over that will cost \$1.50 per pound. It may still be possible to plan a trip.

Klein Quarry May 1. See April newsletter for rules, times, etc.

Picnics

June-Marion-Thomas Park

July-Geode Cracking-Squaw Creek

August-Bingo-Morgan Creek.

Dale will send out emails with more info

Other Business

Jeff Kohl, reported that there is a new quarry called "Dingleberry" which may yield some interesting finds. More to follow.

Motion to adjourn 1st by A.J. 2nd by Dale.

Meeting adjourned 9:50 p.m.

Respectfully submitted

Dell James, Secretary

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**BENCH TIP BY BRAD SMITH:**

**Stiffening Earring Posts - Soldering an earring post will always soften the wire a bit. Easiest way to harden it is to grip the end of the post with your flat-jaw pliers and twist it a couple of half turns. This work hardens the wire and at the same time tests your soldered joint.**

**Use a Spray Bottle - Those little spray bottles you can find at the drug store are great for firescale preventors and debubbling solutions. A quick firescale preventor is liquid flux and a homemade debubbling solution is a little Dawn liquid in rubbing alcohol.**

**Pickle Problems - Dropping a hot item into the pickle after soldering causes a hiss that sends small droplets of the acid pickle into the air. This will rust your nearby tools and can't be all that good to breathe either. My solution is to use a coffee cup of water next to my solder block to quench the piece and then decide if I want to drop it in the pickle.**

- Also a hot pickle pot gives off fumes that bother me in my workshop. I get around that by using my pickle cold. I mix it a little stronger than with a hot pot so that it works just as quickly. I keep it in a large-mouth peanut butter bottle and cap it off whenever I'm done using it.

via The Rock Rustler's News 2/2011

**DID YOU KNOW...?****MesoAmerican Jade**

For the Indians of Mexico, Central and South America, jadeite had a cultural value similar to nephrite in China. It was a symbol of water and the burgeoning of plant life. Known as *chalchihuitl*, it was more precious than gold. The Olmecs were the first Mesoamericans to discover and carve jade - perhaps 3000 years ago. Across Mexico and Central America it was used in the most precious objects: masks, depictions of the gods and ritual items.

**Powerful and sacred stone:**

Jadeite was cast into sacred wells as an offering to the gods. It was sometimes inlaid in the heart in sacred sculptures, and a piece of jadeite placed in the mouth of a deceased nobleman was believed to serve as his or her heart in the afterlife. Jade grave goods were essential for members of the nobility in most Mesoamerican cultures. They were often "killed" - ritually broken - so they could accompany their owner into the afterlife. When powdered and mixed with herbs, jadeite was used to treat fractured skulls and fevers and to resurrect the dying. Mesoamerican jadeite principally came from sources in Guatemala and Costa Rica.

**"Thank God they're only after the gold and silver - they don't know about jade."**

Aztec Emperor Moctezuma, after encountering Cortes.

**Thanks to the Smithsonian Institution**

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Wassonite

In 1969 (when Diamond Dan was only 7 years old!) Japanese scientists collected samples of meteorites on the Yamato Mountains in Antarctica. The specimens they collected were a type of meteorite called chondrites. These meteorites are about 4.5 billion years old and came from an asteroid that orbited the sun between Mars and Jupiter. The specific meteorite specimen in which the new mineral was found is named Yamato 691.

It is important to know the different names of these rocks that travel through space. An asteroid is a small body of rock and/or ice and metal that orbits the sun in the inner solar system (which means no further out from the sun than the planet Jupiter). A meteor is a fragment or piece of an asteroid that travels through space. When a meteor of any size hits the earth's surface, it is called a meteorite.

The new mineral discovered in Yamato 691 was given the name Wassonite. It is named in honor of John T. Wasson who is a meteorite scientist. He specializes in meteorites and meteorite impacts on earth. He is a professor at the University of California at Los Angeles (UCLA). This new mineral was officially announced on April 5, 2011. It is composed of two elements, sulfur and titanium.

If you are hoping to have a wassonite crystal in your collection you are going to be very disappointed. First, it is very, very rare. Second, it is very, very, very small - about 100 times smaller than the width of a human hair. Pluck a single hair out of your head. Now, using a magnifying glass and a knife, try to slice your hair into 100 equal pieces!! OK, we all know it can't be done. This is how small (MICROSCOPIC) wassonite specimens are.

To read a little more about wassonite, visit this website:

<http://www.livescience.com/13581-antarctic-meteorite-mineral-wassonite.html>

From *Mini Miners Monthly* April 2011 the website is www.diamonddanpublications.net

Via *The Quarry* 5/2011

WHAT'S HAPPENING!

Event information included here is gathered from flyers, Exchange Bulletins, and the Internet.

- May 14-15 WAUWATOSA, WISCONSIN: 54th annual show;** Wisconsin Geological Society; Muellner Bldg., Hart Park, 72nd and W. State St.; Sat. 10-5, Sun. 10-4; adults \$3 (2 for \$5), children under 16 free with adult; 22 Midwest dealers, lapidary supplies, tools, books, rough material, slabs, finished specimens, cabochons, jewelry, carvings, fossils, children's activities, exhibits, displays, presentations; contact Paul Schmidt, 8213 Red Arrow Ct., Wauwatosa, WI 53213, (414) 771-8668; e-mail: pvs@wi.rr.com
- May 21-22 RAPID CITY, SOUTH DAKOTA: 7th annual Fairburn agate and rock swap;** Rapid City Parks & Recreation Dept.; Hwy. 44E, about $\frac{1}{2}$ mile west of B.H. Speedway; free admission; buy, sell, trade, rocks, fossils, minerals, experts will help identify and evaluate specimens, auction Sat.; contact Tom Wooden, (605) 393-1963, or Jim Hardesty, (605) 393-2163;
- Jun 18-19 RAPID CITY, SOUTH DAKOTA: 31st annual show;** Western Dakota Gem & Mineral Society; Central States Fairgrounds Event Center, 800 San Francisco St.; Sat. 9-5, Sun. 9-4; adults \$3, children under 12 free with adult; dealers, Fairburn agates, door prizes, silent auction, demonstrations, tailgate sales, kids' activities; contact Mike, (605) 391-1518; e-mail: mjbchc@hotmail.com; Web site: www.WDGMS.org
- Jun 24-26 BLOOMINGTON, INDIANA: 46th annual show and swap;** Lawrence County Rock Club; Monroe County 4-H Fairgrounds; Fri. 10-6:30, Sat. 9-6:30, Sun. 10-4; gems, jewelry, minerals, fossils, rocks, lapidary equipment, supplies, rockhound and prospecting supplies, 4-H project material, science project material; contact Dave Treffinger, 13101 E 250 N, Loogootee, IN 47553, (812) 295-3463; Web site: www.lawrencecountyrockclub.org
- Jul 16-17 MOOSE LAKE, MINNESOTA: 42nd annual show, "Agate Days";** Carlton County Gem & Mineral Club, Moose Lake Area Chamber of Commerce; Moose Lake High School gym and parking lot, 413 Birch Ave.; Sat. 9-5, Sun. 9-4; free admission; dealers, Lake Superior agate, cutting materials, specimens, crystal groups, fossils, gems, jewelry, lapidary equipment, rough rock tailgaters, door prizes, field info, Agate Stampede Sat.; contact Al Hyopponen, 4902 Jean Duluth Rd., Duluth, MN 55804, (218) 525-7766; e-mail: willow73@cpinternet.com
- Sep 9-11 TOLEDO, OHIO: 40th annual show;** Toledo Gem & Rockhound Club; Stranahan Theater Complex, 4645 Heatherdowns Blvd.; Fri. 2-8, Sat. 10-6, Sun. 11-5; **adults \$4, seniors and students \$3, children** under 12 free; Midwest Federation of Geologic Societies Annual Convention, more than 22 dealers, minerals, jewelry, fossils, lapidary supplies, silent auction, club sales, scholarship raffle, exhibits, demonstrations, kids' area, mini classes; contact Jerri Heer, 247 Decatur St., Toledo, OH 43609, (419) 389-9204; e-mail: jheerx6@aol.com; **Web site:** www.rockyreader.com

Sep 17-18 CLUB AUCTION -Amana RV Park & Event Center

If I am missing any upcoming shows, please email me the information!!
 What I would need is location (including directions), Dates, Hours, Admission, Activities!

OFFICERS, DIRECTORS, AND COMMITTEE CHAIRS

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Director '13	Andrew Halfmann	
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Sunshine	Dolores Slade<	351-5559
Hospitality	Bob & Joy Cummings<	396-4647
Webmaster	Andie Burns <	

The Cedar Valley Rocks & Minerals Society was organized for the purpose of studying the sciences of mineralogy and geology and the arts of lapidary and gemology. We are members of the Midwest (MWF) and American (AFMS) Federations. Membership is open to anyone who professes an interest in rocks and minerals.

Dues are \$10.00 per family per calendar year and can be sent to Dale Stout, 2237 Meadowbrook Dr. SE, Cedar Rapids, IA 52403.

Visit us at:
www.cedarvalleyrockclub.org

The club meetings are held the 3rd Tuesday of each month from September through November and from January through May at 7:15pm at the Rockwell Collins 35th St Plant Cafeteria, Cedar Rapids, IA. The December meeting is a Christmas dinner held on the usual meeting night. June, July, and August meetings are potlucks held at 6:30pm at area parks on the 3rd Tuesday of each month.

BOB ROPER, EDITOR
 CEDAR VALLEY GEMS
 996 13TH ST
 MARION, IA 52302



Its spring time & field trip time!