



## News Article Pictures Rockhounding Back When....

By Lyle Koerper

Recently Peggy and Gene Maggard found in some materials secured recently from an older rock hounding family a newspaper clipping from the *Wichita Eagle and Beacon Magazine* dated May 19, 1963. Because the article concerned rockhounding in South Dakota and because of the ties June and I have to South Dakota, the Maggards passed on the article. The article gives an interested insight into people who were collecting rocks about 50 years ago.

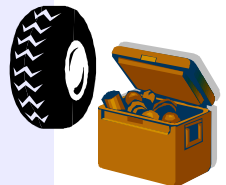
The writer points out that the unique museums and rock and mineral collecting locations in South Dakota attract both professionals and amateurs. And, this is still true today.

The writer was probably not a rockhound, but was certainly interested in the hobby. Following are some revealing paragraphs relating to those who pursue this hobby.



“Enthusiasm of the rock collectors varies. Some casually stroll over a short distance from the highways; others walk, climb and crawl for miles in search of the solid formations.

“To make room in the car for some of the larger chunks, visitors to the state have been known to dispose of food, camping equipment, extra clothing, and spare tires. One wife was sent home by bus in order to make room in the family auto for 200 pounds of rose quartz.



“As the rock collectors drive their spring-broken autos back home, rears sagging, and radiators steaming, the project has only begun. Neighbors are subjected to harrowing details of finding the “gray piece with the sparkles”, why a slab that looks like abused putty is so rare and how they found the chunk that resembles a disreputable glob of gumbo.

“And what to do with the stuff once its home? Sometimes, if all else fails, the big ones are broken into smaller ones or the sparkling pieces may be dropped into a gold fish bowl for decorative purposes, much to the distraction of the occupants.”



Maybe the writer lived next door to a rockhound. He concludes: “It’s a grueling game, except for those truly smitten. To them it’s a disgrace to return from vacation without a few hundred pounds of these rare treasures.”

Have times changed over the four score and eight years?

Member of the Rocky Mountain Federation of Mineralogical Societies



Affiliated with the American Federation of Mineralogical Societies



## 2010 - 2011 Officers

### Board of Directors

President .....	Tony Giardina.....	316-214-8227 karen@van-m.com
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Finance .....	Bob Haines.....	316-683-9021 bobh67218@yahoo.com
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Director 2012.....	Naomi Matney.....	316-265-2665
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Curator.....	Greg Weisbrod .....	316-686-1810
Federation Rep .....	Bill & Janet Smith .....	620-296-4652 beetlebill@kanokla.net
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Historian .....	Mary Clough .....	316-943-1785
Hospitality .....	Debbie Winton .....	316-841-8773 cwinton@pixius.net
Insurance/Property.....	Peggy Maggard .....	316-742-3746 gandpmaggard@wildblue.net
Junior Leader .....	Elizabeth Hixon.....	316-651-0054 ebeth.horselover@gmail.com
Librarian .....	Jim Yanda .....	620-455-2419 oxford@oldwiz.net
Registered Agent.....	Alice Piper .....	316-264-7273
Webmaster.....	Diane DeGood.....	316-794-8391

### Dues:

Club Year September 1 - August 31	
Adult Membership .....	\$10.00
Junior Membership (13-17) .....	\$ 5.00 (must have adult sponsor)
Quarry Quips Subscription ONLY .....	\$ 8.00

Please send dues to: **WGMS Treasurer,**  
c/o Susan Bannon, 11825 E 1st St N, Wichita KS 67206-2732

Our Annual show will be:  
**April 20, 21 & 22 2012**  
**Rocky Mountain Minerals**

## About our Club

The Wichita Gem and Mineral Society Inc. is a 501(c)(3) nonprofit, tax-exempt, educational organization. Our purpose shall be exclusively educational and scientific; (a) to increase and disseminate knowledge of the earth sciences pertaining to minerals, gems, rocks, artifacts, and fossils and similar subjects; (b) to promote and perpetuate knowledge of the lapidary arts; © to encourage field trips to study the earth sciences, particularly of geology and mineralization in place and (d) to encourage greater public interest and education in gems, fossils and minerals, cooperating with established institutions in such matters.

The Wichita Gem and Mineral Society, Inc. meets the fourth Sunday of each month at 2:00 p.m. in Room 101, Geology Building, Wichita State University. - Except - January (Anniversary Party); April (Annual Show); August (Picnic & Auction). (November and December meetings are subject to University holiday closings.) Times and locations to be announced/published. WGMS does NOT offer classes or workshops.

Board meetings are held on the Monday preceding the General meeting at places announced and/or printed in the Quarry Quips, the official bulletin of the Society. ALL members are urged to contribute material for publication in the Quarry Quips, the deadline for ALL articles is the Friday following the General meeting. All articles should be submitted by e-mail to: editor@wgmsks.org or snail mail to:

Carolyn White  
2225 N. Fountain  
Wichita KS 67220

Club mailing address:

Wichita Gem and Mineral Society Inc.  
PO Box 1464  
Wichita KS 67201-1464  
Web Address: www.wgmsks.org



The Quarry Quips is published monthly by the Wichita Gem & Mineral Society, Inc. Articles printed in this newsletter are the experiences and/or opinions of the individuals submitting them, they do not necessarily reflect the views or opinions of the Wichita Gem & Mineral Society or the editor. We are not responsible for their authenticity, safety, or reliability. Caution and safety should always be practiced when trying out any new idea. Articles written without a byline are written by the editor.

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Exchange Bulletins Welcome

# Membership News

By Susan Bannon

Please add the following new members into your membership directory.



Stephanie Conn  
3051 S Geo Washington Blvd  
Apt 203  
Wichita, KS 67210  
316-841-6823

Edward Hakenholz 3/5  
Margaret 11/15  
2651 Exchange Pl  
Wichita, KS 67217  
316-267-4227 (his)  
316264-4226 (hers)  
edw.hakenholz@sbcglobal.net

Jay Super, Kris Super  
327 Bay Country Court  
Wichita, KS 67235  
316-721-7663  
jsuper@usd266.com  
superkris31@gmail.com

Jordan Larcade  
946 Parkway Dr  
Valley Center, KS 67147  
316-269-5157  
jlarcade@gmail.com

Diana Whisler  
5214 SW 84th  
Sedgwick, KS 67213  
316-772-5228  
tknow2099@yahoo.com

Janet Gardner  
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Wichita, KS 67218  
316-688-1769  
lynngarner@cox.net

Jessica Rempe  
946 N, Parkway Dr  
Valley Center, KS 67147  
316-393-6558  
ressika22@gmail.com

Marcia Norton  
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Wichita, KS 67208  
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Wichita, KS 67211  
785-650-7546  
jkohl1@sbcglobal.net

Michael Sader  
1230 N. Broadway #121  
Wichita, KS 67214  
316558-0485  
madmikey\_42@yahoo.com

Nancy Marr  
1625 Old Mill  
Marion, KS 66861  
316-833-1480

Joreen Florenzen  
1230 Broadway Ave #109  
Wichita, KS 67214  
316-558-0485

Vicki Baker  
715 Rivera Dr  
Mulvane, KS 67110  
316-777-0755  
vs\_baker@yahoo.com

Sally Henning  
901 N. Delrose  
Wichita, KS 67208  
316-651-0039

Please add the following to your membership directory:  
Ray Vitkus, Crissy Vitkus  
721 N. Stratford Lane  
Wichita, KS 67206  
316-613-2527

## Snack Sign-up



Debbie Winton will not be at the June meeting. We need a volunteer to set up / clean up refreshments after the meeting in June.

## The Year Ahead



## Programs

By Don Atherton

### Program Schedule

- June: Alan DeGood will talk about the reserves of oil and gas.
- July: Mike Wingo will give a presentation on dinosaurs.
- August - rock sale, pot luck lunch and auction

### General Club Meetings

Jun 26	WSU Geology Bldg, Rm 101	2 pm
Jul 24	WSU Geology Bldg, Rm 101	2 pm
Aug 27	Rock Sale, Pot Luck and Auction Community of Christ Church	
Sep 25	WSU Geology Bldg, Rm 101	2 pm
Oct 23	WSU Geology Bldg, Rm 101	2 pm

### Board Meetings

Jun 20	Maggard's House 8318 SE Hwy 77, Leon	6 pm
Jul 18	Community of Christ Church	7 pm
Aug 22	Community of Christ Church	7 pm
Sep 19	Community of Christ Church	7 pm
Oct 17	Community of Christ Church	7 pm



## WGMS Board Meeting Minutes

By Tonona Martin

The Board of Officers of the Wichita Gem and Mineral Society met Monday, 5.16.2011 at the Community of Christ Church. Tony Giardina, Carolyn White, Joe Cruz, Sandy Whiting, Tonona Martin, Gene Maggard, Ardis Cruz and Peggy Maggard were in attendance.

President Tony Giardina brought the meeting to order. Minutes from the past board meeting were approved.

Tonona Martin received this year's Rocky Mountain Federation Directory. The directory was given to President Giardina. Two applications for membership were received from :

Margaret & Edward Hakenholz – applications were reviewed and accepted.

Carolyn White gave a report regarding the nominating committee. The position of secretary is still open. Lyle Koerper is willing to coordinate field trips. Joe Cruz states that he is willing to assist. The clubs May field trip will be to "Meade Basin" on 5.21.2011.

Expense vouchers that were presented and paid were as follows:

- The Wichita Eagle/Show/Publicity \$1,658.40
- Cessna Employees Center/Show/Rentals \$3,290.00
- Tony Cooper/show/cleanup \$400.00
- Gene Maggard/show/rentals \$24.00, show/hospitality 47.53, awards-gifts \$31.29
- Debbie Winton/show/hospitality \$155.91
- Larry Skelton/show/Silent Auction \$9.56
- Tony McClafflin/show/security \$10.70
- Lyle Koerper/show/rentals \$85.00, show/electrical \$4.25, show/rock pile \$10.00, show/setup \$186.83, show/publicity \$10.60
- K-15 Storage/show/rentals \$200.00
- Change/misc/\$600.00
- WSU scholarship fund \$1,750.00
- Oce North American/editor-1year copier maintenance \$830.51
- Hutchinson Publishing Company/show/publicity \$166.48
- Leo Heidebrecht/show/publicity \$51.42

A review of procedures for the club's annual parking lot swap and auction was discussed.

New Business:

Elizabeth Hixon discussed ideas for activities for junior members. There are funds available for supplies for junior members.

The meeting was adjourned.

## General Meeting

Tony Giardina brought the meeting to order. There were no changes to the minutes.

Door prizes were awarded as following:

- Member door prize - Gene Maggard
- Visiitor - Corben Nagel - Carnelian pin
- Badge - Naida House - Rhodenite pin

Carolyn White, editor, thanked those who have submitted articles for the Quarry Quips and encouraged members to submit articles, photos, drawings and puzzles for the Quarry Quips

Gene Maggard reported that we had a productive Show Wrap Up meeting. The committee discussed ideas for the next show.

Larry Skelton, Silent Auction Chair thanked everyone who helped at the show.

Sandy Whiting, Treasurer, confirmed that we are financially sound.

Debbie Winton, Hospitality, needs someone to volunteer to set up refreshments after the June meeting.

Elizabeth Hixon, Junior Leader, plans to have activities for Juniors at the June meeting.

Carolyn White reminded members that we will elect officers for the following year in our June meeting and shared the names of the current nominees. We do not have a nominee for Secretary yet. Any members who are interested in serving on the board next year are encouraged to contact Carolyn or any current board member.

Larry Skelton taught us about the different types, history and use of garnets. He showed a power point created by Amber Skelton with pictures of garnets from Tanzania, Malaya, Brazil, Mali and Mosambique.

# Thank You

- June Koerper for sewing 50 grab bags
- Mary Skelton for sewing 50 grab bags
- Debbi Moore for sewing 200 grab bags
- Lisa Scheibmeir for making 80+ necklaces

## Show Report

By Gene Maggard

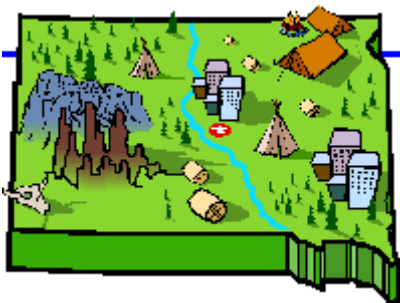
Had the Show Wrapup committee meeting in May, which was the last activity for the 2011 show. No significant issues or problems surfaced. Elizabeth Hixon suggested that we add a scavenger hunt for the youth attending the show as part of Education Day. There was actually a scavenger hunt as part of Education Day but it kind of faded away several years, ago. A scavenger hunt would require some work and planning to make it effective but the committee was very receptive to the idea. It will definitely be considered for 2012.

We always need rocks for the Junior Rock Pile. In your rock collecting travels this summer please keep this need in mind. Kids like any rock that is colorful and shiny. They also like any kind of fossil. Anything that you can collect for the rock pile would be appreciated.

Have a safe and enjoyable summer.

### South Dakota

The Maggards and the Koerpers are doing their annual South Dakota Black Hills trip at the end of July. Arrival July 30 and departure August 4.



They will be hunting Fairburn agates, prairie agates, pegmatite minerals in the mine dumps around Custer, and trout fishing. Anyone interested in tagging along are welcome and should contact Gene at 316-742-3746 for details. If you ever want to see the Black Hills mine dumps you better act fast. They are going away very fast.



My wife and I were traveling on the Kansas turnpike, bucking 30 - 45 mph crosswinds. At the tollbooth, I asked the attendant, "What do you people in Kansas do when the wind quits?" The tollbooth attendant didn't miss a beat when she answered,

"We take the rocks out of our pockets!"

Via The Rockhouser, May 2010

## Election Time

By Carolyn White

To misquote JF Kennedy.....

"Ask not what your club can do for you, but what you can do for your gem and mineral club"



What can you do for your gem and mineral club? Well, I'm glad you asked! There is a lot you can do. You can help at the April show, donate items for the August auction, help at the show work days in the fall AND you can volunteer to serve on the board.

In June we will be voting on board members for the coming year. Below is a list of the nominees we have at this time.

- President - Tony Giardina
- Vice President - Peggy Maggard
- Secretary - Open
- Treasurer - Sandy Whiting
- Membership - Susan Bannon
- Editor - Carolyn White
- Finance - Bob Haines
- Publicity - Leo Heidebrecht
- Field Trip - Lyle Koerper
- Junior Leader - Elizabeth Hixon
- Show Chair - Gene Maggard
- Director 2014 - Don Atherton

We welcome nominees for any of these positions. We do need a nominee for secretary. The secretary picks up the mail and takes minutes at the board meeting (3rd Monday of the month) and general meeting (4th Sunday of the month) If you are interested in serving on the board, please contact Carolyn White (250-6182) or any board member. (contact information on pg 2)



### WGMS Library

We have a lot of great books in the WGMS library. It is open when we have a club meeting at WSU. Members can check out books for one month.

His wife's graveside service was just barely finished, when there was a massive clap of thunder, followed by a tremendous bolt of lightning, accompanied by even more thunder rumbling in the distance. The little, old man looked at the pastor and calmly said, 'Well, she's there.'

# Garnets

Lawrence H. Skelton

Who is familiar with yamatoite, calderite or kinzeyite? Some professional mineralogists but not too many rockhounds. How about pyrope, spessartite or grossularite? Now the names ring some bells. . . garnets! Most of us are aware of the five varieties of garnets used for gemstones: almandite, pyrope, spessartite, grossularite, and andradite. A sixth variety, uvarovite, fails to develop sufficiently large crystals to make it into the world of gems and jewelry. However, yamatoite, calderite etc. also are members of the garnet family which is comprised of fifteen or more related minerals.

Garnet, not a mineral as such, is a family of minerals that shares a general chemical composition of  $A_3B_2(SiO_4)_3$  wherein A may be calcium, magnesium, ferrous iron or manganese and B may be aluminum, chromium, ferric iron or rarely titanium or vanadium. The  $SiO_4$  is the familiar silica tetrahedron. Garnet minerals form an isomorphous series, that is, proportions of their chemical contents may change incrementally so that a given garnet may be a blend of two types and grade from the first into the second. An example is the gem type called "grandite" which is a mixture of grossularite and andradite where the "B" aluminum content of grossularite is replaced in part by the "B" ferric iron of andradite.



Spessartine garnet with Smoky Quartz

Tongbei, Fujian Province, China

<http://www.dakotamatrix.com>



Uvarovite

<http://en.wikipedia.org>

To complicate nomenclature still more, each variety of the garnet family may occur in different localities or in different colors which necessitates a different name for an associated gemstone. Examples of geographically inspired names include: Arizona rubies and Cape rubies (pyrope), Transvaal jade and californite (grossularite), Mali garnet (andradite/grossularite mix) or rhodolite (pyrope/almandite mix).

Garnet members are commonly said to occur in every color except blue. However, a rare color-changing garnet found in Madagascar resembles the gem alexandrite and displays a blue color under natural or fluorescent light. At least one non-changing blue garnet is known and is a mixture of pyrope, spessartite, almandite, uvarovite, goldmanite (a rare vanadium-bearing garnet) and grossular.

## Characteristics

Members of the garnet family crystallize in transparent to opaque forms in the isometric or cubic crystal system. Crystals generally form in rhombic dodecahedrons (12 faces), trapezohedron (an octahedron with shallow three-sided pyramids on each face making 24 faces) or the hexoctahedron (a cube with eight shallow faces on each cube face making 48 sides). The 12-sided and 24-sided forms frequently are combined. Large garnet crystals are not uncommon, the largest on record being approximately seven feet in diameter and weighing an estimated 37.5 tons. Garnets vary in hardness from 6.5 to 7.5 depending on type. Similarly, specific gravity ranges from 3.5 to 4.3 depending on the variety or combination thereof. Fracture is conchoidal to uneven. Since all garnets are in the isometric crystal system, they all are singly refractive, a characteristic which simplifies their identification from similarly colored gems (excepting similarly colored spinels which also are singly refractive. However, spinel is infusible whereas garnet fuses easily).

Garnets are fairly common and widely distributed. They frequently occur in some metamorphic rocks and as an accessory mineral in some igneous rocks. Pyrope occurs in peridotites and kimberlites where along with chrome diopside and ilmenite, it may be an indicator mineral for diamond.

## History

Garnet, principally the varieties pyrope and almandite, long have attracted human interest. These two reddish garnets have been found in Bronze Age graves in Bohemia (Czech Republic) and Sweden and in an Egyptian tomb from 3,100 B.C. Garnets have been found in Stone Age and earlier Neanderthal burials in Bohemia. Pliny the Elder (A.D. 23 – 79) noted that Alabanda, then an important city in southwestern Turkey, was a center of garnet cutting and jewelry. Referred to as *granatos*, a word meaning pomegranate in reference to the seeds of that fruit, garnets were a favorite gemstone among the Romans. The Romans also obtained garnets from Egypt, India and Bohemia.

Distorted, euhedral, dodecahedral pyrope crystal, from [Madagascar](#).



<http://en.wikipedia.org>

A red cabochon-cut garnet was anciently called a *carbunculus* (meaning a “glowing coal”) or carbuncle and the Talmud notes that such a stone suspended from the topdeck was said to have provided the only light within Noah’s ark as it floated about. The Book of Exodus specifies the carbuncle as a stone engraved with the name of the tribe of Judah in the Breastplate of the High Priest of Israel and King Solomon was said to have worn garnet ornaments into battle. Kunz in 1913 noted that the Koran describes the Fourth Heaven to be made of carbuncle.



Garnets were used to a lesser extent in the New World. A seashell reportedly set with garnets and turquoise was found in Arizona. It is attributed to the Zuni people who probably picked pyropes from anthills in their area. Arizona garnets may be the source of those stones used by Aztec and Maya tribes to the south. A bright-pink grossular which is found in the area of Sierra de la Cruz, Sierra Mojada, Coahuila, Mexico also may be the source of the garnets favored by the Aztec and Mayan cultures. In the *Atlas of World Art*, edited by Professor John Onions in 2004, it is reported that several varieties of semiprecious stones, including garnets, were being traded throughout the Caribbean and Central America by the Seventh Century A. D.

8th (?) century Anglo-Saxon sword hilt fitting, gold with gemstone inlay of garnet cloisonné. From the Staffordshire Hoard, found in 2009, and not fully cleaned. <http://www.wikipedia.org>



Sepulchers unearthed near Paris, France were found to contain garnet inlaid jewelry associated with the Fifth Century Merovingian families or courtiers of Kings Childeric and Clovis (436 – 511 A.D.). The garnets used were: Type I, rhodolite; Type II, pyrope and (Type III, a high-chromium pyrope. Attempts to identify sources of the stones were made by proton particle induced X-ray emission (p-PIXE), a non-destructive method which compared the analyses to those of garnets from numerous Eurasian areas known at during that time of history. The rhodolite was identified as probably originating in Halland, Sweden or other small deposits throughout Scandinavia or in south India and/or Sri Lanka, both known Roman sources. The Type II pyrope is from a source in central Europe, Scandinavia or south India/Sri Lanka. The Type III pyrope is thought to originate in an alluvial source about 50 miles north of Prague, Czech Republic although similar garnets are found in Saxony and in Norway. While not conclusive, these findings show that garnets were widely traded gems 1,500 years ago.

In past ages, garnets (usually red pyrope or almandite) were believed to have curative and even magic powers. The carbuncle (pyrope) was thought to be a heart stimulant. The red gems were considered to be remedies for all varieties of hemorrhages and inflammation and were thought to be of a calming nature by removing anger and discord. Naturally, the red colors were associated with bleeding and as late as the 1890s, Hunza tribesmen fighting the British in northern Pakistan used garnets for bullets believing the red stones would accelerate bleeding and make worse wounds. Kunz cites a thirteenth century “Book of Wings” thought to have been compiled from Hebrew and Greco-Roman sources dealing with engraved stones. It mentions the garnet: “The well-formed image of a lion, if engraved on a garnet, will protect and preserve honors and health, cures the wearer of all diseases, brings him honors, and guards him from all perils in travelling.” Red varieties of garnet are the classical birthstones for January and the pyrope/carbuncle is associated with St. Andrew as the apostolic stone for February.

## Uses

In addition to its uses as various gemstones, garnet has important industrial uses: water jet cutting, abrasive blasting medium, water filtration, abrasive powders and general abrasive uses (think garnet paper) to list a few. Unlike competing products, it is chemically inert, non-toxic, hard, dense and free of quartz. Broken up garnet maintains its sharp edges. Its lack of free quartz prevents the lung diseases commonly associated with quartzose abrasives. These qualities allow it to be recycled. The automobile and oil industries are major users; in the auto industry, garnet-charged water jet cutters are used to cut metal and automotive glass; the oil industry uses garnet to clean out drill pipe. Being inert, the garnet can be recovered in both cases and reused two or three times.

In 2009, four firms mined garnet in the United States: one each in Idaho and Montana and two in New York. A new mine producing spessartite was opened in Coos County, Oregon in 2010. No production data are yet available but estimates are that annual production will be around 17,000 tons. The U.S.G.S. reported 2009 domestic production of 62,281 tons valued at \$8,850,000.00. In addition to produced garnet, the U.S. imported 45,305 tons and exported 8,973 tons. Suppliers of imported garnet were: India 35%, Australia 35%, China (PRC) 19%, Canada 10% and “other” 1%.



One of the New York mines at Gore Mountain in Warren County was mined continuously for 105 years by the Barton Mines Corporation. Founded in 1878 by Henry Hudson Barton who invented garnet paper for sanding, the mine produced almandite garnet used for abrasive. The garnet crystals which range in diameter from around 1.0 mm to about a meter are wrapped in coats of black hornblende. Some of the small garnets, solid solutions of pyrope, almandite and grossularite, are of gem quality and are cut into one to five carat gemstones.

### Recommended reading

Bauer, Max. (Transl: L.J. Spencer), 1969. *Precious Stones*. Chas. E. Tuttle Co., Tokyo, Japan. 647 pages.

DiFilippo, Erica. 2006, *Gore Mountain Garnet*. <http://www.science.smith.edu/departments/SEM/pages/E...> . 17 pages. Downloaded 3/13/2006.

Kraus, E.H., Hunt, W.F. and Ramsdell, L.S., 1959. *Mineralogy An Introduction to the Study of Minerals and Crystals*, Fifth Edition, McGraw-Hill Book Co., New York. 686 pages.

Kunz, George F., 1913. *The Curious Lore of Precious Stones*, (Republished 1971 by Dover Publications, New York). J. B. Lippincott Co., Philadelphia. 406 pages.

United States Geological Survey, 2002. *Garnet*. <http://minerals.usgs.gov/minerals/pubs/commodity/gems...> 4 pages. Downloaded 3/13/2006.



## Field Trips

By Ardis Cruz

May 21<sup>st</sup> field trip to Meade Kansas included 6 club members and two guests.

Dr. Robert Martin spoke for 45 minutes or so before we left on his study on rodents in the Meade area for the last 15 years. The ages of the layers tell how long ago the different species of rodents lived. Volcanic ash layers are at each site, sometimes above the fossil layer and sometimes below the fossil layer.

At most stops we were able to do a small amount of collecting in places not directly related to Dr. Martin's study.

Items found included turtle shell, a complete turtle leg bone, Mastodon tooth pieces and shards of ivory from their tusk as well as unidentifiable bone shards.

Dr. Martin is from Murray Kentucky and I believe he teaches at the university there. I am not positive about this, as I did not think to ask him. He told us that for two weeks each summer he and volunteers dig, sift and wash sediment to collect rodent material. Over the last several million years many species of small rodents have migrated into North America across the Beringia land bridge when ice covered a large portion of earth. By the ice holding so much water the level of the oceans went down and land was exposed. Animals then came over from Europe and spread across North America. Some of these species died out and were replaced by others and some just continued to live on.

Joe and I learned a lot and collected a few neat pieces of bone and ivory and had a great day just being outside and enjoying the weather and companionship.

Attention New Members!

The field trip for June will be several stops to places that are sure to have fossils to collect. As a club and individually we have been to these places before but so you can see what it like to go on a field trip to collect Kansas Marine Fossils we are scheduling this one for June 18.

Our starting place will be the Cherokee Strip Museum in Arkansas City at 10:00. It is located at the south end of Ark City on Highway 77. You can't miss it. Their website is [www.arkansascityks.gov](http://www.arkansascityks.gov), phone 620-442-6750. Admission is 4.50 for adults, Seniors 3.50 and 2.00 for youth under 6 is free.

After we leave the museum we have stops planned for fossil collecting, the candy shop in Dexter, lunch in the park in Moline and possibly the Emmett Kelly Museum in Sedan if it is open that day. If the name does not ring a bell Emmett Kelley was born in Sedan, KS and later became a very famous clown.

This is hopefully a good trip for our new members to meet other club members and have a great day starting your collections of fossils from Kansas.

Things to bring:

Plenty of water or drinks, lunches, snacks, sunscreen, hat, sturdy shoes or hiking boots that are broken in, cardboard flats, zip bags and bug spray.



Call Joe or Ardis at 733-8727 to RSVP!

The day of the trip call Joe's cell phone 650-6696 if necessary.



## Member Birthdays

### June:

- 04 Anna Smith
- 08 Michael Bayouth
- 13 Karen Davisson, Ananda Smith
- 14 Sarah Murphy
- 15 Curley & Mary Clough
- 19 Johnny Saunders
- 22 Joshua Hixon
- 29 Bob Hicks, Janet Khoury
- 30 Elwood King



### July:

- 01 Gabriella Lorik
- 04 Dennis Crossland
- 08 Gene Maggard
- 09 Lucille Lemonds, Lisa Scheibmeir
- 11 Greg Weisbrod
- 15 Larry Skelton
- 18 Abby Taylor
- 19 Anna Hixon, Emma Ehart
- 20 Ardis Cruz, Tana Hurlock
- 22 Richard Moore
- 23 Jim Hilliard, Herb Wilson
- 24 Leo Heidebrecht
- 26 George Asher
- 27 June Koerper
- 29 Lloyd Folger
- 30 Tony Giardina



## You are Invited to a “Beeding Bee”



Do you like to bead? If so, you are invited to come to Marci Fleeker's on Wednesdays for an evening of beading fun. Sessions are subject to cancel without notice so check with Marci to confirm.

Come anytime after 4pm. Bring your own beading project to work on in the company of other people who like to bead. We won't be teaching any lessons, or providing any food or drinks, we'll just be having fun and hopefully learning from each other.

If you don't have a beading project but want to fellowship anyway, feel free to join us with a project of your choice

2166 S. Topeka  
262-8392

## Show Calendar

For a more complete list of all shows go to:  
<http://www.rockngem.com/showdates.asp>  
or refer to a copy of Rock & Gem Magazine.



### JUNE:

**11-12—LIVE OAK, TEXAS:** Wholesale and retail show; The Bead Market; Live Oak Civic Center, 8101 Pat Booker Rd.; Sat. 10-5, Sun. 10-4; free admission; contact Rebekah Wills, (903) 240-7198; e-mail: rebekah@thebeadmarket.net; Web site: www.thebeadmarket.net

**18-19—OZARK, MISSOURI:** Annual show and swap; Ozark Mountain Gem & Mineral Society; Finley River Park, 205 N. First St.; Sat. 9:30-6, Sun. 10-5; free admission; dealers, demonstrators, auction; contact Betty Maples, 2621 W. Wild West Rd., Nixa, MO 65714, (417) 725-3001; e-mail: OMGandMS@gmail.com



**24-26—COLORADO SPRINGS, COLORADO:** 3rd annual rock fair; Colorado Springs Mineralogical Society, Rocky Mountain Federation of Mineralogical Societies; Western Museum of Mining & Industry, 225 N. Gate Blvd., I-25 exit 156A; Fri. 9-4, Sat. 9-4, Sun. 9-3; adults \$5, children \$2; contact Ronald Yamioikoski, (719) 488-5526; e-mail: info@csms.us; Web site: www.csms.us

### JULY:

**1-3—FARMINGTON, NEW MEXICO:** Annual show; San Juan County Gem & Mineral Society; Farmington Civic Center, 200 W. Arrington St.; Fri. 10-6, Sat. 10-6, Sun. 10-5; free admission; silent auctions, prize drawings, raffle Sun.; contact Mickie Calvert, 5986 Hwy. 64, Farmington, NM 87401, (505) 632-8288; e-mail: mickie2@earthlink.net



**9-10—SYRACUSE, NEW YORK:** 45th annual show, “Gems Along the Erie Canal: A Diamond Celebration”; Gem & Mineral Society of Syracuse; New York State Fairgrounds, Center of Progress Bldg., I-690; Sat. 10-6, Sun. 10-4; competitive exhibits, lectures, workshops, demonstrations, kids' activities, minerals, fossils, beads, metaphysical stones, AMFS and EFMLS Convention meetings July 6-8; contact Cathy Patterson, (315) 638-8817; e-mail: cathyppatterson@verizon.net; Web site: www.gmss.us

**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: wil-low73@cpinternet.com

**23-24—KALISPELL, MONTANA:** Annual show; Northwest Montana Rock Chucks; Flathead County Fair Grounds, Grandstand Bldg., 265 N. Meridian Rd.; Sat. 10-6, Sun. 10-4; adults \$1; demonstrations, silent auction, door prizes, minerals, jewelry, kids' activities; contact Milah Gano, P.O. Box 433, Lakeside, MT 59922, (406) 844-3560; e-mail: mallards\_g@hotmail.com

# WGMS Members Work to Make a Great Show!

*Pictures Taken by Ray Vitkus*



Jim Yanda  
Faceting



Dennis & Linda Crossland  
Flint Knapping



Susan Bannon - Membership



Peggy Maggard - Admission



Curley Clough  
Spheres



Debbi Moore & Larry Skelton  
Silent Auction



Don Atherton  
Junior Rock Pile



Mary Clough, Ruth Weischaar,  
Naomi Matney



Angie White & Naida House  
Gem Trees



Joe & Ardis Cruz  
Demonstrating Dealers

# 2011 WGMS Rock Sale Registration Form

Date: Saturday, August 27th, 9:30 a.m. to Noon, Set-up 8:30 a.m.  
Location: Community of Christ Church, 3500 S. Webb Road, Wichita, Kansas

Business Name \_\_\_\_\_

Business Sales Tax Number \_\_\_\_\_

Your Name \_\_\_\_\_

Address \_\_\_\_\_

Phone Number \_\_\_\_\_

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

Please send Registration Form to  
Don Atherton, 3831 Countryside Street, Wichita, Kansas 67218-4005 \*\*\* 316-685-2725 by August 1, 2011.

- \*Must be WGMS member to have a booth at swap meet.
- \*Must provide tables and other display materials.



Rocks  
Fossils  
Gems  
Minerals

## Wichita Gem & Mineral Society Rock Sale

Saturday, August 27th  
9:30 am - 12:00 pm

Community of Christ Church  
3500 S. Web Rd  
Wichita, KS

Pot Luck Lunch, 12:30 pm  
WGMS Auction, 1:30 pm

Public Welcome at Rock Sale &  
Auction

\*Must be a WGMS member to have a booth at the swap meet

The forth annual  
WGMS Rock Sale is  
open to all current  
WGMS members who  
would like to have a  
booth. You must have  
a KS Sales Tax number  
if you plan to sell at  
this meet.

To register call  
Don Atherton at  
316-685-2725  
by Aug 1 with your  
Business Name and  
Sales Tax number.

One space per member  
/ family. Spaces will  
be assigned on a "First  
Come" basis.

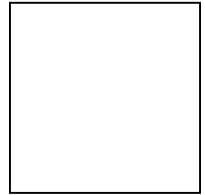
Set Up 8:30 am



**WICHITA GEM & MINERAL SOCIETY,  
INC**

**QUARRY QUIPS**

Carolyn White, Editor  
2225 N. Fountain  
Wichita, KS 67220  
editor@wgmsks.org  
www.wgmsks.org



TIME VALUE  
DO NOT DELAY

«Name»  
«Name 2»  
«Address»  
«City State zip» «Sort Field»

**Next Meeting:**

**Sunday, June 26th, 2:00 pm**  
WSU Geology Building, Rm 101

## What's in this Issue

Page	Club Business	Page	Special Interest
2	About Our Club		2011 AFMS Show: July 9-10, New York
3	Calendar - WGMS Events		2011 RMFMS Show: June 24-26, Colorado
4	Field Trips		See details on pg 9.
4	Meeting Minutes		
11	Member Birthdays	9	Beading Bee
3	Membership	9	WGMS Rock Sale and Auction
2	Officers	6 - 8	Garnets
3	Programs	9	Show Dates
5	Show Report	Cover	News Article Pictures Rockhounding Back When
		10	WGMS Show Photos

Quarry Quips Article Deadline: Friday, July 1  
Send articles to Carolyn White. Contact information at top of page.

