

THE ROCKHOUND RECORD

Volume 76, Issue 5 Newsletter for the Mineralogical Society of Arizona
May 2010



NEXT MEETING:
FRIDAY, MAY 14TH, 2010
AT 7:00 PM

MEETING TOPIC & SPEAKER **JERRY COOK** **"WHAT'S SHAKING?"**

4.6 Billion Years ago the Earth was born as a molten planet containing all the elements that make the minerals we all love to collect today. In the beginning, when the Earth was molten, the more dense elements sank to the center and the less dense elements rose to the surface giving rise to a layering effect that can be detected with the use of seismometers. The Earth's layers differ not only in chemical composition but in state of matter. Both the outer core and parts of the upper mantle are liquid. There are three types of seismic waves produced by every earthquake, by examining their arrival times and in some cases their absence in the seismic recording geologists have been able to piece together the inner structure of the Earth, locate plate boundaries and faults, and determine where earthquakes are most likely to occur. The problem is that no one can predict when. I will show you the seismometer I use in my classroom, how it works, how the kids use it as a research tool, and how you can look at it online. To end the presentation I will show you our recordings of all the large earthquakes we have had this year. As you know there have been a lot!

J. Bob

PRESIDENT'S MESSAGE

The Saddle Mountain Public Land Appreciation Day was very successful from a club standpoint and for the number of people that showed up from other groups as well. I think I counted at least 10 to 12 of our club there. Great Going Members!

On another note, the Board of MSA had their first meeting of the year and we got quite a bit accomplished there as well. Some of the highlights are as follows:

(1) We are going to have a membership drive to enlarge our group of rock lovers by asking that each member bring in at least one new member each.

(2) We are going to revamp the membership card to make it easier to carry in our billfolds.

(3) We are going to sell business card ads for our newsletter to offset the cost of the newsletter and give the person that takes care of it free membership in the club and a ream of paper now and then for publishing purposes.

(4) We are going to have a lapel pin contest from which a design will be used to celebrate 75 years as a club.

(5) We also decided to make sure that when we go on a field trip; that when we get to the spot we are going to we will be able to find what we are looking for. No more chasing up and down roads looking for likely spots. Feel free to share with Ed some ideas about places to go to.

(6) Another idea is to go to some of the other club meetings to exchange ideas and meet some of the rockhounds in the area.

Now I back Ed on any decision that he makes about our field trips. Sometimes when you are working with out of date data it is hard to find the spot that we thought was an area that we can actually look for mineral deposits. And with the state and private groups and individuals buying up and fencing off areas of interest in this state it is no wonder that we get to a spot and find No Trespassing Signs in place.

Thank you all for being faithful members.

Hope to see you all at the next meeting.

Roger Deming,
President of the best darn rock band in town.



ARIZONA MINERAL COLLECTOR

NUMBER 129

By Raymond Grant

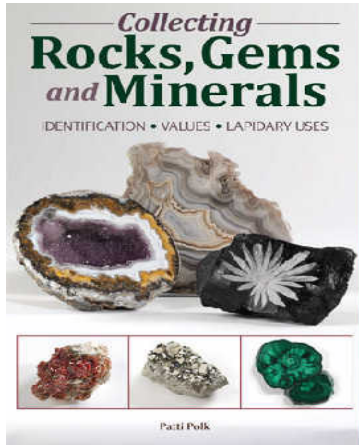
Another really interesting talk at the Minerals of Arizona Symposium was "The Hunt for Sierrita Mountain Aquamarine" by Barbara Muntyan. The Mineralogy of Arizona has the following entry for Pima County: "Sierrita Mountains, Bella Donna claim, as massive material and beautiful blue-green crystals, in quartz veins in granite; pegmatites have contained gem-quality aquamarine crystals affording stones up to 40 carats." After reading this Barbara decided she needed to find this aquamarine.

Over a period of eighteen months, she spent many hours walking/climbing over the Sierrita Mountains in search of aquamarine. The search area was about 60 square miles. She looked for white quartz and pegmatite outcrops in this area and found about 300 separate quartz outcrops.

In ten of these outcrops she found aquamarine: a three percent success rate. The specimens varied from massive pieces to good crystals. The best specimen she found was a nine inch long blue crystal in white quartz matrix with small muscovite crystals. It came out in two pieces and the six inch long part won first prize for an Arizona mineral at this year's Tucson show. Barbara's advice is "never quit looking". I hope that this is an inspiration for you to go out and look, because there are still really good things to find in Arizona.

Carleton Moore, retired professor from the ASU Meteorite Center, gave a great talk about "How to find a meteorite in Arizona". He described some of the meteorites already found in Arizona. He said that at many localities there is a strewn field with many specimens. Over the past few years over 1000 small pieces of meteorite were collected in the Gold Basin area north of Kingman. He feels that there are many meteorites just out there waiting to be found. A metal detector may help, or you can use a strong magnet on a stick, but he thinks if you have a good eye and knowledge of what a meteorite looks like; you can find one. To help with that he brought a number of meteorites to show people what they look like.

Our club webmaster and member, Patti Polk, has had a book published and we want to let you all know about it. Collecting Rocks, Gems, & Minerals - Identification, Values, Lapidary Uses by Patti Polk. It is a 272 page softcover, first edition, 2010, Krause Publications Price: \$17.99



Designed with beginners in mind, yet filled with valuable technical information for advanced collectors, Collecting Rocks, Gems, and Minerals - Identification, Values, Lapidary Uses takes you from being just someone who appreciates rocks to a true "collector". Chock full of photos and information, this book is ideal for anyone who is interested in finding and collecting rocks and minerals; the lapidary arts; or for anyone who needs help in understanding and estimating the value of rocks, gems, and minerals when buying or selling them for fun or profit.

- Easy-to-use, quick reference format arranged by category and color of stone Provides retail values and helpful tips for locating, collecting, buying and selling
- Contains more than 650 full-color color photos
- Includes organics such as amber, bone, coral, pearl, and shell

Covers common rocks and minerals that novices can find in the field (and the countries, states and regions where they occur) as well as precious and semiprecious materials

Books will be available for delivery in mid-late April 2010, so sign up now to pre-order your personally autographed copies by emailing Patti Polk at: sales@agategrrrl.com. Book price is \$17.99, and if you mention that you are an MSA club member, as a special savings, club members do not have to pay Arizona sales tax. Patti will email you an invoice for the book purchase, and you may pay securely through Paypal, or by mailing a personal check if you prefer. As soon as the books arrive, you can pick them up at the following club meeting. Enjoy! Also, be sure to visit Patti's new updated website: www.agategrrrl.com for any additional information and lots of other cool rockhound-related stuff.



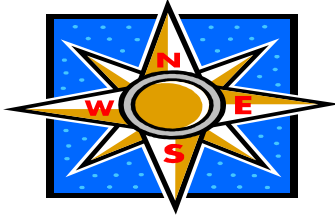
EDITOR'S NOTE...

I want to announce that I will no longer be editing this newsletter after the next issue. My family and I are relocating to Iowa to run a bar / restaurant and it will be impossible for me to continue in this role, as much as I have enjoyed it for the past two years. For about ten years, I talked about joining the MSA, because my family & I loved going to rock shows all over the state, and going on our own rockhounding excursions in the ol' Jeep CJ7 armed with rockhounding apparatus & a picnic lunch or camping gear. With a sincere appreciation and fascination for geology, and once I got my littlest daughter raised up to the age of 14 thinking I had more free time now that she was older, I finally joined the MSA just 2 ½ years ago. With the economy hitting me so hard having to work several part time jobs these past two years I never seem to get the time off for the trips and shows (and I had to sell that good Jeep gosh darnit); however, I have to say that equal to my passion for all things geological is my undying passion for writing and the opportunity to edit The Rockhound Record has been a fabulous experience for me and I thank everyone who contributes to the final product each month and for the wonderful compliments I hear about the newsletter. I appreciate you all so immensely and all the awesome speakers! I got to learn so much from you and I never walked away from a single meeting unsatisfied. Perhaps you will see my name once again someday. Goodbye Phoenix, my hometown, born and raised 41 years...I will miss you dearly.

~Heather A. Hill

COALITION / MSA TRIP FOR APRIL

SPONSORED BY
MINERALOGICAL SOCIETY OF ARIZONA



SATURDAY, MAY 22ND

**BAGDAD OPEN-PIT MINE
BAGDAD, AZ**

Time to meet is 10:00 am
The coalition trip will be led by Betty Deming

**There is a limit on how many can go on the tour.
They have 2 vans which can hold approximately 12 people each.
I will need to know how many are going by May 8th, so they will know if
they need to use both vans. Please do this for me.
It is important that they know.**

**DRESS CODE (MUST FOLLOW THE DRESS CODE!)
LONG PANTS ONLY, CLOSED TOED SHOES,
NO SLEEVELESS SHIRTS-NO TANK TOPS.
SHIRTS MUST HAVE SLEEVES.**

**They provide hats & glasses. We can hunt after the tour on the only rock pile left there
to hunt on, which is pyrite & chalcopyrite.**

**Please don't plan on bringing home a ton of rocks.
BRING: your rock hammer & a reasonable size bucket or bags**

**MEETING PLACE: Bagdad is between Wickenburg & Wickieup off Route 93. You can hardly get
lost, it is a very small town - just follow directions. When you come in to town, at the first cross
streets are Main St. & Lindahl. Turn right on Lindahl. Go 6/10 mi. & turn left on Palo Verde, go
1/2 block & see buildings on right. Look for sign saying museum & conference room.
PARK THERE.**

**Tour & hunt on rock pile will take approximately 2 - 3 hours. I have been on the tour 2 times & it is very
interesting & educational, but they do hold to their dress code. So please follow it.
If you need any more info please contact Betty Deming email: be_ge4@cox.net. & phone # is 602-242-
1553. Don't have a cell phone. Don't be shut out by putting off till the last minute to let me know you are
going. Maximum limit will be 25 people.**



Arizona
Department of Mines & Mineral Resources
Press Release



1502 West Washington, Phoenix, Arizona 85007

Contact: Dr. Jan Rasmussen, Curator, at (602) 771-1612; (520) 603-7656 (mobile)

TO: Assignment Desk Editor

Release: Immediately or when appropriate

WHO: Arizona Mining and Mineral Museum

WHAT: Grand Opening of Copper Mine & Plant Diorama

WHEN: Saturday, May 8, 2010, 11 a.m. – 2 p.m.

WHERE: 1502 W. Washington, Phoenix, Arizona

COST: FREE Admission & Parking

WHY: New Diorama of Modern Copper Mine & Plant

29' by 20' HO-scale (1:87) model of modern copper mine & plant equipment
Explanation/Video of processes of getting copper from ore to wiring

Demonstrating 1890's Gold Mining Equipment

Operating 1890's Gold Stamp Mill (1 of 3 in U.S.) - crushing gold ore
Operating Mucker - scooping ore; Operating Gold Wheel - concentrating gold

SPONSORS: Friends of the Arizona Mining & Mineral Museum, Arizona Mineral & Mining Museum Foundation;
Exhibit created by Bryan Beaulieu, Sustainable Engineering, LLC, and funded by a private family
foundation related to the Mining Foundation of the Southwest

SALES: rocks, fossils, gems, minerals, and jewelry in the Gift Shop

DISPLAYS: Over 3,500 rocks, minerals, crystals, meteorites, fossils, and gemstones
Artifacts and information about modern copper mining
Curiosities: Banquet of Rocks, Fulgurites (lightning strikes)



Regular hours are M-F 8-5, Sat. 11-4 - www.mines.az.gov 602-771-1611
Arizona Mining and Mineral Museum, 1502 W. Washington, Phoenix, AZ 85007
Regular adult admission \$2.00, children 17 and under are free, 56,000 visitors per year
Free parking is off 15th Ave. on the north side of the museum.

**Meeting Minutes
Board of Governors
April 9, 2010**

The meeting was called to order by president Roger Deming at 6:30 p.m. In attendance were Ed Nichols, Bob Holm, Betty Deming, and Lois Splendoria. Lynne and Terry Dyer joined the meeting in progress.

Field Trips – Roger asked Ed to discuss more in-depth information about the field trips, i.e., what to bring, how to dress for the trip. This also applies to the coalition field trips. Betty said she has a lot of information at home on field trips.

Membership Cards – Roger suggested that the size of the membership cards be updated so that they will fit in a wallet more easily. He suggested using blank cards, stamping them with a blank to fill out, having them filled out, and he said he can laminate them. Roger has the cards so they would be free, and there would be no cost to the club.

Ads for Newsletter – Ed showed a sample from another non-profit group's newsletter. He suggested a price of \$35/ad for non-member and \$25/ad for members.

75-Year Pin – Roger suggested that we have a pin made to celebrate 75 years of the MSA. He showed the group a sample of a lapel pin that the Elks Club uses. Betty suggested having a contest for people in the club to draw a design. Roger will make an announcement at tonight's meeting about the contest. He suggested making extra pins and selling them at the 2011 Flagg Show.

Getting New Members – Roger asked that everyone work on getting new members for the MSA and suggested inviting the Leaverites and the Maricopa Lapidary Society Members to our meetings. He encouraged us to attend other club's meetings to get acquainted with other rock hounds. He also suggested that we have a co-op meeting together at some future time. He is in another club where the members do this and said it is very successful.

Regular Board Meetings – Roger said we owe it to the members to meet at least every two months. The next board meeting is planned for June.

Display Cases – Ed discussed what should be done with the display cases from our past shows, which are currently in storage in his trailer. Roger said that the Treasures 4 Teachers Reusable Resource Center, (<http://www.treasures4teachers.org/>), could give the MSA a tax write-off if we donate the display cases to them. Roger is a retired teacher and belongs to this organization. He said that Treasures 4 Teachers was given 14 free ads on the Arizona Highways Show on Channel 12 on Saturday nights at 6:30 p.m. A tax write-off of \$10 each was suggested. Terry Dyer moved, seconded by Lynne Dyer, to give Roger two cases to sell to Treasures 4 Teachers.

Since there was no more business to discuss, the meeting was adjourned.

Respectfully submitted,

Lois Splendoria
Secretary

**General Meeting Minutes
April 9, 2010**

The meeting was called to order by president Roger Deming. After the Pledge of Allegiance, Bob Holm welcomed four visitors: Julia Tamasiunas, who joined that night; Cynthia Grant, Ray Grant's wife; and Barb and Ken Bayley, visitors from South Australia, who are friends of the Grants'. Betty gave the treasurer's report.

Ed Nichols reported that the club field trip on April 10 will be attending the Saddle Mountain Public Land Appreciation Day. He said the group will meet at 8 a.m. at the shelter. Betty said that the next coalition trip is Saturday, April 24, sponsored by the Sedona Gem and Mineral Club, to collect Petrified Wood on a private ranch about 35 miles east Holbrook. Details of both trips were published on page four of the April newsletter. Betty said the May coalition trip will be Saturday, May 22. Please let her know by May 8 if you wish to attend.

Roger asked people to sign up to bring cookies to the meeting, and a signup sheet was circulated that night. Betty had been talking to Jerry Cook, who is a school teacher, about a possible program in the future on earthquakes. He said he has a seismometer in his classroom, and he offered to present the May 2010 program.

Roger reported on the discussion at our board meeting tonight (see minutes in this newsletter). He encouraged the members to attend other rock hound club's meetings and to invite them to ours. He suggested opening up our meeting to the other rock hound clubs and said he will invite other clubs to our meetings. He also recognized Ed Nichols for all of his efforts in organizing the club field trips, and there was a round of applause for Ed.

Ray Grant, one of Life Members and a retired Geology professor from the Maricopa Community College District, was introduced as the speaker for the evening. He presented an excellent program entitled, "Why There Are So Many Minerals in Arizona." The presentation was entitled, "From Basalt to Wulfenite." There are over 880 mineral species in Arizona. For more details, refer to his Column Numbers 109 and 110 (April and May of 2008 newsletters) (all of our newsletters since 2004 are in PDF format on our website, www.mineralogicalsocietyarizona.org). Thank you, Ray!

Announcements

After the program, Ray gave the group an update on the Museum situation, since he had attended several meetings this past week with the Arizona Historical Society about the Museum. He is the Chairman of the Arizona Mineral and Mining Museum Foundation (formerly known as the Flagg Foundation). He reported that, as it stands now, Jan Rasmussen will be the Curator of the Museum. The Arizona Historical Society will take over the Museum building. It is not known what will happen about the meeting room situation for the future. He said the Foundation will move its own mineral specimens and other items. Roger interjected that he had attended the AZ Diamondbacks game this past week, and the Governor was at the game and was booed by the crowd.

Lynne Dyer said that Trust Lands are not Public Lands and that nothing can be picked up and collected there. The application to collect costs \$500 and takes 60 days to process. She also reminded the members that she and Terry brought some plastic paint buckets tonight and welcomed the members to take one.

Roger showed the group a new club poster he made that we can use at the next Flagg Show. He announced that we will be accepting ads in our newsletter and encouraged the members to put ads in the newsletter. Fred Thiele, the owner of the Natural Expressions, Inc., rock shop at 13802 East Williams Field Road in Gilbert, wants to put an ad in the newsletter.

The raffle was conducted, and the meeting was adjourned.

Respectfully submitted,
Lois Splendoria
Secretary

ROCK SHOWS

MAY 29-30, 2010 BISBEE MINERAL SHOW BISBEE, AZ

Sponsored by: City of Bisbee,
Bisbee Mining Historical Museum,
And Bisbee Chamber of Commerce
Hours: Sat., Sun., 9-5
Website: www.queenminetour.com
Phone: 520-432-2071

MAY 29 & 30, 2010 MEMORIAL DAY WEEKEND WHITE MOUNTAIN GEM & MINERAL CLUB ANNUAL SHOW

PINETOP-LAKESIDE
Blue Ridge Junior High School,
3050 N. Porter Mountain Rd
Lakeside, AZ
Admission: \$2.00,
students (15 and under) free w/paying adult
Parking: Free
Hours: Sat. 9-6, Sun. 9-4
Dealers, gems, minerals, beads, fossils, lapidary
equipment, rough and finished rock specimens,
silent auction, spinning wheel, kids' activity area,
door prizes, raffle prizes, display cases,
fluorescent mineral display.
Show and Dealer Chairperson:
Larry Legge & Nanz Marshall,
928-537-2524
e-mail: larrylegge@yahoo.com
White Mt. Gem & Mineral Club
P.O. Box 3504, Show Low, AZ 85902
Web site:
www.whitemountain-azrockclub.org

JUNE 18-20, 2010 TOMBSTONE

Old West Merchants & Miners
Tombstone Territories RV Resort
2111 E. Hwy 82, Tombstone, AZ
Hours: Fri, Sat. 10-6, Sun. 10-4
Dealers Contact: Betty at Rhinestone
Cowboy, P.O. Box 414, Tombstone, AZ
85638, 520-457-9505

JULY 24, 25, 2010 FLAGSTAFF 1ST FLAGSTAFF JEWELRY, GEM & MINERAL SHOW

Radisson Woodlands Hotel 1175
W. Rt. 66, Flagstaff, AZ
Hours: Sat. 10-5, Sun. 10-4
Admission: \$3, children 12 & under
Free with paid adult.
Parking: Free
Show Co-Chairs: Sharon Szymanski,
480-215-9101,
goldcanyon2@yahoo.com
and Val Latham, 602-466-3060

JUNE 18-20, 2010 AFMS SHOW & CONVENTION Whittier, CA

Hosted by North Orange County
Gem and Mineral Society
Southern California
University of Health Sciences Campus
10-5 Daily
Contact Mike Beaumont 714-510-6037
www.nocgms.com

*The AZ Mining & Mineral Museum
(AZMMMR) maintains a list of
Arizona club shows on their website:
<http://mines.az.gov/General/museum.html>*



THIS NEWSLETTER IS DEDICATED
TO MY MOM, MARY T. (Cairns-Hill) THOMAS, &
TO ALL THE OTHER PHENOMENAL MOMS
WHO READ THIS,

HAVE A VERY HAPPY MOTHER'S DAY!

~ HEATHER



We are going to sell business card ads for our newsletter. If you are interested in advertising your business in this newsletter, please contact us. It is \$25 per year for MSA members and \$35 per year for non-members. Our first sponsor is Frank Burns, and a big thank you to Frank! Please remember him for your Home Inspection needs and tell your friends and colleagues about his business.

FRANK HOME INSPECTIONS
5828 N. Scottsdale Road • Scottsdale, AZ 85253



(602) 570-8147

COMPREHENSIVE INSPECTIONS
BY CHIEF INSPECTOR
FRANK BURNS, R.R.E.I.

AZ Certification #38642
frankhomeinspections@cox.net

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(480) 633-0731

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& Field Trip Coordinator
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epidote555@yahoo.com
(480) 636-1251

Treasurer and Coalition Field Trip
Coordinator: Betty Deming
(602) 242-1553
bd_mac2003@yahoo.com

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chimes30@q.com
602-571-4577

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sagegirl777@juno.com

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Bob Holm
(623) 979-5246

Librarian/Door Prizes/Hospitality:
Bob Holm (623) 247-1325

Refreshments: Lynne Dyer
(480) 396-2393

MSA BOARD OF GOVERNORS:
LYNNE DYER, TERRY DYER
BOB HOLM, DAVE LAY

**HEATHER HILL
MINERALOGICAL SOCIETY OF ARIZONA
1502 West Washington Street
Phoenix, AZ 85007**

ADDRESS CORRECTION REQUESTED

www.mineralsocietyarizona.org



Exchange Editors: Please send all newsletters to the return address listed above.



**Mineralogical Society of Arizona
Founded 1935
A Non Profit Organization**

Purpose: To promote popular interest in the various Earth Sciences, and particularly the fields of Geology, Lapidary, Mineralogy, and related subjects.

ID badges are available from the Treasurer.

Meetings: 7:00 p.m. at the Arizona Mining and Mineral Museum, 1502 W. Washington, Phoenix, AZ - on the second Friday of the month, September through June (*except February, which is the third Friday*).

Dues: Adults – Single Adults \$12.00, Juniors (18 yrs. and under) -\$2.50, Families & Couples - \$20.00.

**Mail dues to Betty Deming at
2922 W. Claremont, Phoenix, AZ 85017**

FIRST CLASS MAIL

The Mineralogical Society of Arizona is a member of the American Federation of Mineralogical Societies and the Rocky Mountain Federation of Mineralogical Societies.



www.amfed.org

www.rmfmms.org

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