

# LITTLE GEMS

Volume 5 Issue 4

April 2012



General Meeting:  
Second Tuesday of the month  
Katherine Heidenreich Senior Center  
1776 Airway Ave.,  
Kingman, AZ 86401  
General Meeting  
7:00 PM

## PRESIDENT'S MESSAGE

A quarter of the year has passed and we are on the threshold of the Mohave County Gemstoners' 42nd Annual Gem and Mineral Show. At last count, we had full tables of vendors that will be displaying their wares – from metal detectors, to polishing machines and stones and jewelry galore. The Show Committee has expended many hundreds of hours in preparation for the Show. We are still looking for members to assist in the booths and security during the Show, as well as set-up and tear-down. I can tell you that our menu at the Snack Booth will have some real good items to eat and drink. We have also changed the Kid's Booth to incorporate some educational items (interactive) and new games. I would like to welcome our newest members to the Club. With new people, there are new ideas and many new experiences awaiting them as the year progresses. Remember, the purpose of being in a club is to have fun.

MOHAVE COUNTY GEMSTONERS'

## 2012 Annual Rock & Gem Show

We are busting at the seams with vendors from Arizona and across the States. With more vendors than last year, we have a huge assortment to dazzle everyone. Rocks, of course, in any form imaginable. Rare stones to common Jaspers, meteorites to faceted Gemstones, and Fossils to Minerals. Hand polished and tumbled-Cabs to Eggs and Spheres, Carved works from world renowned artist Helen Serras-Herman. Cabs that are Wire wrapped or set in Silver or Gold. Metal weaving, braiding, worked and formed into beautiful intricate art, or *whimsical pieces* that make you smile. All mediums are displayed: Gold & Silver, and Stainless Steel to Burnished Copper. Glass, Feathers, wood and leather. Items that are useful and things to display. Art to adorn your house, your car, or you!

So, if you haven't alerted everyone you know, NOW would be the time! April 14<sup>th</sup> –Sat. 9 to 5, & 15<sup>th</sup> –Sun. 9 to 4. Grand Prize in the Raffle is a stunning Diamond Bracelet, donated by Clarkie, and retailing for over \$200. The cash prizes are \$150, \$100, and \$50, plus the many items donated by local business from Kingman to Bullhead & Laughlin.

From our Club Members we still need donated items for Door Prizes, the Kid's Booth, and our Silent Auction.

**The Mohave County Gemstoners' Club**

Is a member of the Rocky Mountain Federation of Mineralogical Societies (RMFMS) and associated with the American Federation of Mineralogical Societies (AFMS).

The purpose of the Mohave County Gemstoners is to:

1. Stimulate interest in Mineralogy and Lapidary Arts.
2. Stimulate individual's interest in cutting and displaying of minerals, fossils and gemstones.
3. Stimulate interest in stoncutting, carving and setting of fine gems and jewelry.
4. Stimulate interest in other areas, such as faceting, jewelry design, jewelry fabrication and metalsmithing of jewelry.

Fiscal year for memberships runs from January 1st thru December 31st. Dues are \$ 15.00 per person, \$20.00 per couple and \$25.00 for family. Junior Membership cost is \$8.00.

Name badges are required, Either Pin or Magnetic style available at cost.

Little Gems is published monthly. It is available online at [www.gemstoners.org](http://www.gemstoners.org)

The Newsletter is in PDF format so it will be necessary to download Adobe Reader (free program) to view. Submissions should be to the editor by the 20<sup>th</sup> of the month to: [mpasecretary@gmail.com](mailto:mpasecretary@gmail.com) or mail to:

Mohave County Gemstoners PO Box 3992, Kingman, AZ 86402.

**\_ 2012 CLUB LEADERSHIP \_**

**Elected Officers:**

President – Clarkie Segreaves  
Vice President –Barb Avila  
Secretary – Bryan Murphy  
Treasurer –Mary Gann

**Board of Directors:**

Year ending 2012: Roger Price  
Year ending 2013: Trent Szabo, apprentice  
Year ending 2014: Sam Knott

**Club Committees 2012**

By-Laws – Fred Bunge  
Field Trips – Kenny Segreaves, Sam Knott  
Greeters–Sue Bielman  
Membership – Dorothy Bunge  
Webmaster – Mary Gann

Newsletter Editor – Bryan Murphy  
Refreshments – John & Laraine  
Telephone – Kenny & Clarkie Segreaves  
Show Chairman 2012 – Mary Gann

**March General Meeting Minutes**

**Meeting called to order: @ 7:00 PM**

**Pledge of Allegiance**

**Membership** – Many new members have joined. – Dues are past due. Remember, dues help keep the club alive

**Trip Committee** – Extra runs are planned throughout the month in addition to our monthly runs. If you want to be included in these extra runs, contact Kenny Segreaves to have your name added to the call list and we'll notify people a few days ahead of time.

**Refreshments** – Need cookies and goodies

**Webmaster** – Always check for events updates.

**Show** – Vendor list is full. We still need people to help with setup/teardown, security, ect.

**Editor** – Let Bryan know if there's anything you want to see in the newsletter.

**Meeting Adjourned @ 8:05 PM**

**Trip report:** We had to cancel a couple trips this month due to weather. Our trip to the Honey Onyx Claim was very successful. We joined up with the Havasu club to dig this beautiful rock out of the ground. Everyone got BIG chunks and lots of smaller tumbling rocks, so there was something for everyone.



## **APRIL BIRTHSTONE – DIAMOND**



**Diamond** is the ultimate gemstone, having few weaknesses and many strengths. It is well known that Diamond is the hardest substance found in nature, but few people realize that Diamond is *four times harder* than the next hardest natural mineral, corundum (sapphire and ruby). But even as hard as it is, it is not impervious. Diamond has four directions of cleavage, meaning that if it receives a sharp blow in one of these directions it will cleave, or split. A skilled diamond setter and/or jeweler will prevent any of these directions from being in a position to be struck while mounted in a jewelry piece.

A Diamond's single flaw (perfect cleavage) is far outdistanced by the sum of its positive qualities. It has a broad color range, high refraction, high dispersion or fire, very low reactivity to chemicals, rarity, and of course, extreme hardness and durability.

**Diamond** is the ultimate gemstone in several ways:

- **Hardness:** Diamond is a perfect "10", simply the hardest substance known by a wide margin. Nothing can scratch a diamond other than another diamond. And a diamond can scratch anything, even a sapphire.
- **Clarity:** Pure diamond is completely colorless and transparent over a larger range of wavelengths (from the ultraviolet into the far infrared) than is any other solid or liquid substance - nothing else even comes close.

- **Thermal Conductivity:** Diamond conducts heat better than anything - five times better than the second best element, Silver! This characteristic is the basis for "diamond tests", as it is simple and cannot be faked.
- **Refraction:** Diamond has a relatively high index of refraction (ability to bend light), which gives it the high luster called adamantine.
- **Dispersion:** Diamond has a relatively high optical dispersion which gives diamond the "fire" that makes it so desirable.

Diamonds may be nearly any color in the rainbow plus browns, grays, and white. Shades of yellow are most common, followed by colorless. Blue, black, reddish, and greenish are more valuable (some extremely so).

Diamonds are found in a type of rock called Kimberlite, which comprises the core of certain volcanoes over especially thick portions of the earth's crust. This hard stone is mined and then crushed between giant steel rollers. The kimberlite is reduced to fine gravel, yet the extremely hard diamonds come out unharmed! Water is added and a grease covered roller sorts the diamonds from the gravel, as the diamonds stick to the grease. Typically, a single carat of diamond is recovered from a ton of rich ore.

Diamonds are found in many areas including South Africa, Russia, and even in Arkansas in the USA. In all cases, the diamonds formed deep within the earth's mantle, and were brought to the surface in volcanic eruptions. In many cases, the diamonds weathered out of the kimberlite by natural processes, and were transported downstream by water.

### **APRIL ANNIVERSARIES**

**Lloyd & Yvonne Decker**

### **MEMBER'S MAY BIRTHDAYS**

**Dorothy Bunge, Jim Howell, Ed Huskinson, Carolyn Knott, Al Zoellner**

**FIELD TRIP  
INFORMATION**



- Sign in 15 minutes before departure time.
- Leader will state relevant information after everyone has signed in.
- Each vehicle is to keep the one behind it in sight. Stop if vehicle is not visible and report situation on radio channel 5.1.
- Always notify leader if you are hiking or driving to another site, give your approximate return time, and keep a radio with you and turned on.
- If leaving and not returning, notify leader, in person or by radio.
- Always take food, water, and first aid kit, full tank of gas.
- Name badges are required at all Club functions.

**UPCOMING TRIPS**

We had to cancel the Burro Creek trip on the 8<sup>th</sup> (oops...It's Easter) so we will schedule a couple trips in April to make up for it.

**April 29 – Dolan Springs (Taylor Mountain) & Cottonwood**

**May 12 – Golden Shores**

**May 20 – Alamo Road**

Your field trip committee is working diligently to prepare an exciting slate of exploration trips, mineral specimen gathering expeditions and other rewarding club activities for all members in the 2012 year. We will be having extra, unscheduled trips during the month as well, Contact Kenny @ 565-7678 in the Trip Committee to have your name added to the trip list and we will contact you a few days before the trip.

I will try to keep up with the trip reports as best I can.

# April 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	Board @ 5PM General Mtg @ 7PM 10	11	12	Setup for Show @ 8AM 13	Rock Show 9 to 5 14
Rock Show 9- 4 Cleanup @ 4 - 6 15	16	17	18	19	20	21
22	23	24	25	26	27	28
Dolan Springs (Taylor Mountain) 29	30					

# May 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	Board @ 5PM General Mtg @ 7 PM 8	9	10	11	Golden Shores 12
13	14	15	16	17	18	19
Alamo Road 20	21	22	23	24	25	26
27	28	29	30	31		