

LITTLE GEMS

Volume 3 Issue 11

November 2010



Message from the President

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

Hi Gemstoners,

The holiday season is upon us again and I want to remind you to sign up and pay for the Holiday Dinner at the November Meeting.

We are collecting for Toys For Tots and the Food Bank. Last year we did spectacular in both areas. Due to our Christmas Dinner being at a restaurant, we are asking everyone to bring their toys and food contributions to the November meeting rather than to the restaurant in December.

The trip to the Bagdad Mine will take place on November 6th. Contact Jack if you have any questions or want to sign up. I went last time and enjoyed it so much that I plan to go again if there is room.

Hope to see you all at the meeting Tuesday, Nov. 9th, and remember the toys and food so we can share with those less fortunate in this season of giving.

John Smith, President

Mohave County Gemstoners' Annual Rock & Mineral Show

WHEN: April 9th and 10th, 2011

WHERE: Kingman Academy of Learning High School Gym at 3420 N Burbank

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 stonecutting, 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, Pin or Magnetic style for cost.

Little Gems is published monthly. It is available online at www.gemstoners.org
The Newsletter is in PDF format so it will be necessary to download AdobeReader (free program) to view.
Submissions should be to the editor by the 20th of the month to : M C GEMSTONERS@AOL.COM, or mail to:
Mohave County Gemstoners PO Box 3992 Kingman, Az 86402.

_ 2010 Club Leadership _

Elected Officers:

President – John Smith
Vice President – Al Zoellner
Secretary - Fred Bunge
Treasurer - Pete Hansen
Sergeant At Arms – Gary Gann

Board of Directors:

Year ending 2010: Kenny Segreaves
Year ending 2011: Laraine Smith
Year ending 2012: Jack Hommel

Club Committees 2010

By-Laws – Fred Bunge
Field Trips - Jack Hommel
Greeters – Cheri Hommel
Membership – Dorothy Bunge
Photographer - Melanie Hecht
Webmaster – Mary Gann

Newsletter Editor – Gary Gann
Refreshments – Mary Gann
Telephone - John and Laraine Smith
Show Chairman 2011 – Mary Gann
Sunshine – Lynn Roe

MINUTES OF THE OCT 2010 GENERAL MEETING

The meeting was called to order at 7:03 PM by our President, John Smith. The flag salute was led by the Sergeant At Arms.

Previous Meeting Minutes: Approved as published in the Little Gems Newsletter.

Treasurer’s Report: The Club is in good financial shape. An accounting of receipt and expenditures was given.

Correspondence: (NONE)

COMMITTEE REPORTS:

Membership – We welcomed two guests this evening. Membership is 112 as of this meeting. Those with anniversaries and birthdays this month were introduced.

Show – A Show meeting will be held 17 OCT at 4 PM at the Gann’s.

Field Trip – A trip to the Bagdad Mine, those interested in going – sign-up with Jack. On 24 OCT we will be at Castle Mountain.

Web Master/Editor – Need more articles for our newsletter. All submissions must be in “letter format.”

Refreshments – We will need cookies and snacks for the NOV meeting.

OLD BUSINESS:

1. December 14th Meeting – A sit-down dinner will be at Lombardo’s on Eastern AV. The price of the meal is \$15 per person, which will be turkey, ham, all trimmings, non-alcoholic beverage, desert and gratuity. Make checks payable to the Gemstoners and get them to Pete no later than the NOV meeting.

2. Business Cards – We now have business cards to hand to perspective members. They will have our web site, meeting information, mailing address, etc. This has proven to be a very good recruitment tool.

3. Election Committee: Candidates were announced: President, Fred Bunge; Vice-President, Gary Gann; Treasurer, Mary Gann; Secretary, Brian Murphy; Sgt. At Arms, Cheri Hommel and John Smith, Board Member. Elections will take place at the NOV meeting.

4. Toys For Tots – Please bring toys to the NOV meeting for this worthy cause. We will arrange with the Marine Corps. League to get them.

5. Appendix “B” – Scholarships – This will be voted on at the General Meeting in JAN and be on the web site for all members to review this policy.

NEW BUSINESS:

1. Onyx Claim Signage – This subject will be discussed with the Havasu Club. Many rock books refer to the claim as one that can be exploited, when without permission, it cannot.

FOR THE GOOD OF THE ORDER:

1. OCT 16/17 – Sedona Gem Show.

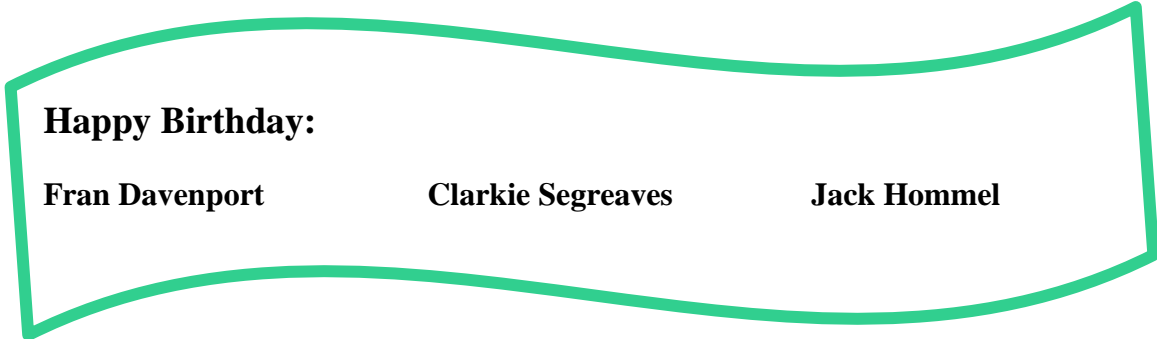
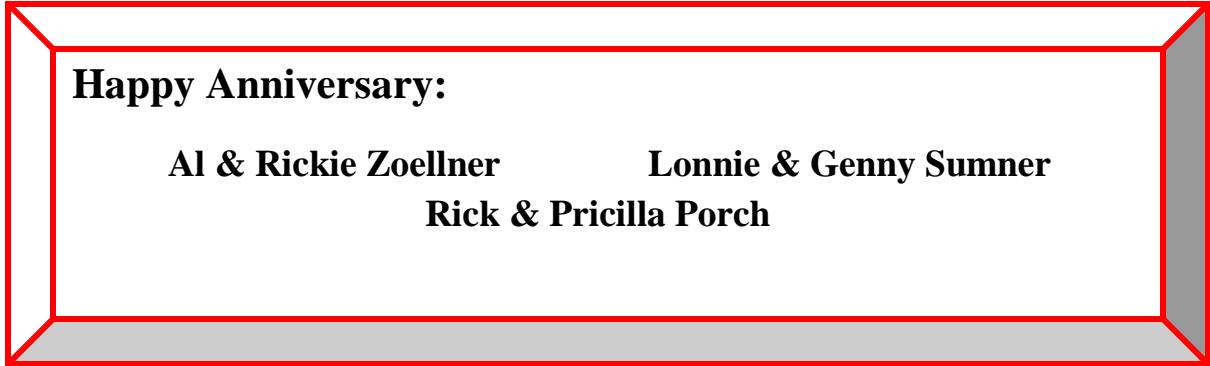
2. The Club would also like members to bring in canned goods at the NOV meeting. They will be taken to the food bank for the less fortunate

3. Guest speaker at our NOV meeting will be a presentation on using your metal detector.

50/50: Al Zoellner - \$18.

As there was no further business, the meeting was adjourned at 7:43 PM.

Respectfully Submitted, Fred Bunge, Secretary



NOVEMBER BIRTHSTONE

November's gemstone, Citrine, is as warm as a Van Gogh painting of sunflowers. The name Citrine comes from an old French word, "citrin", meaning lemon. One of the more rare forms of quartz, this gemstone ranges in color from the palest yellow to a dark amber named Madeira because of its resemblance to the red wine.

Sister stone to the purple quartz known as Amethyst, Citrine crystals are found in igneous metamorphic and sedimentary rocks. It is believed that some Citrine may have actually begun as Amethyst, but heat from nearby molten rock changed it to the yellow form of quartz. Citrine is known to change color when subjected to heat and is routinely heated in the jewelry-making process to intensify its color. For this same reason, though, this gemstone should not be left in direct sunlight for a long time because it will permanently alter the color. Most Citrine is mined in Brazil, but other sources of the quartz are Bolivia and Madagascar.

Yellow Topaz is an alternate gemstone for those born in November. Its golden color was believed by the Egyptians to be the glow cast by the sun god Ra. Yellow Topaz ranges in color from a peachy blush to a deep cognac.

Meteorites from Nantan, China By Leonard Deutsch

This is part one of a three part series of articles on Meteorites and Tektites. The information in the articles was obtained from the vendors, Wikipedia and other web sources. It is not to be all inclusive, but rather a brief introduction.

What is a meteorite? A **meteorite** is a natural object originating in outer space that survives impact with the Earth's surface. Meteorites can be big or small. Most meteorites derive from small astronomical objects called meteoroids but they are also sometimes produced by impacts of asteroids. When it enters the atmosphere, impact pressure causes the body to heat up and emit light, thus forming a fireball, also known as a meteor or **shooting/falling star**. The term **bolide** refers to either an extraterrestrial body that collides with the Earth, or to an exceptionally bright, fireball-like meteor regardless of whether it ultimately impacts the surface.

More generally, a meteorite on the surface of any celestial body is a natural object that has come from elsewhere in space. Meteorites have been found on the Moon and Mars.

Meteorites that are recovered after being observed as they transited the atmosphere or impacted the Earth are called **falls**. All other meteorites are known as **finds**. As of February 2010, there are

approximately 1,086 witnessed falls having specimens in the world's collections. In contrast, there are over 38,660 well-documented meteorite finds.

Meteorites have traditionally been divided into three broad categories: stony meteorites are rocks, mainly composed of silicate minerals; iron meteorites are largely composed of metallic iron-nickel; and, stony-iron meteorites contain large amounts of both metallic and rocky material. Modern classification schemes divide meteorites into groups according to their structure, chemical and isotopic composition and mineralogy.

Nantan Meteorites:

The Nantan region of China has produced a large quantity of meteorites which was witnessed in the Lihu and Yaozai town, Nantan County, Guangxi Province, China. The meteorites are made up of Iron 92.35% and Nickel 6.96% Nantan iron meteorites are one of the rare witnessed iron meteorite falls in the world. The fall was recorded in 16th century Nantan, China in May, 1516.

The Chinese considered meteorites to be sacred stones from heaven. Nantan iron meteorites represent one of the rare witnessed iron meteorite falls in the world. The fall in 1516 was recorded vividly -- "During summertime in May of Jiajing 11th year, stars fell from the northwest direction, five to six fold long, waving like snakes and dragons. They were as bright as lightning and disappeared in seconds." So far almost all the iron meteorites found in the world are discovered meteorites, that is, no one witnessed any fall. The Nantan is an exception. The Chinese people actually saw the stars falling nearly 500 years ago. No one paid attention to the historical record about the fallen stars at Nantan until 1958, when China needed a lot of steel to push the country "Great Leap Forward". During this period, everyone was told to look for iron ore. Even cooking pots were melted in back yards to produce steel. Some farmers at Nantan, mainly Yao minority, were lucky enough to keep their kitchen tools by finding some heavy Iron-rich rocks. Unfortunately, the "iron ore" would not melt at the backyard steel factory, which puzzled the farmers, and they reported this fact to the government and scientists. Researchers arrived and proved the "iron ore" to be iron meteorites. Upon further inspection the mostly hematite encased rocks were determined to be nickel / iron meteorites. Nantan Meteorites usually have coarse octahedral structure due to the composition of iron & nickel.

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.
- Always notify leader if you are hiking or driving to another site and your approximate return time.
- If leaving and not returning, notify leader and turn in radio.

- Always take food, water, and first aid kit, full tank of gas.
- RADIOS: Channel 3
- Name badges required at all Club functions.

Nov. 6>Bagdad Mine Tour: Long sleeve & pants. 2WD, 220mi RT, Basha's at 7 AM.

Nov. 24-27>2nd Annual Thanksgiving Feast in the Desert, campout at Burro Creek Campground. 2WD / 4WD, 150mi RT, day trips Fri & Sat start at 9:00 am. Thursday come by noon. Any questions on what to bring call Mary Gann @ 757-8121.

This for those do-it-yourselfers among us who can't get enough of those numbers: Thanks to Fred for the conversion. Any questions? Fred's the guru!

R.P.M. SPEED TABLE USING AN ELECTRIC MOTOR @ 1725 R.P.M.

Dia. Of Pulley motor in inches	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3	4	5	6 1/2	8	10	12
1 1/4"	1725	1437	1232	1078	958	862	718	539	431	331	269	215	179
1 1/2"	2070	1725	1478	1293	1150	1035	862	646	517	398	323	258	215
1 3/4"	2415	2012	1725	1509	1341	1207	1006	754	603	464	377	301	251
2"	2760	2300	1971	1725	1533	1380	1150	862	690	530	431	345	287
2 1/4"	3105	2587	2217	1940	1725	1552	1293	970	776	597	485	388	323
2 1/2"	3450	2875	2464	2156	1916	1725	1437	1078	862	663	539	431	359
3"	4140	3450	2957	2587	2300	2070	1725	1293	1035	796	646	517	431
4"	5520	4600	3942	3450	3066	2760	2300	1725	1380	1061	862	690	575
5"	6900	5750	4928	4312	3833	3450	2875	2156	1725	1326	1078	862	718
6 1/2"	8970	7475	6407	5606	4983	4485	3737	2803	2242	1725	1401	1121	934
8"		9200	7885	6900	6133	5520	4600	3450	2760	2123	1725	1380	1150
10"			9857	8625	7666	6900	5750	4312	3450	2653	2156	1725	1437
12"					9200	8280	6900	5175	4140	3184	2587	2070	1725
15"							8625	6468	5175	3980	3234	2587	2156
18"								7762	6210	4776	3881	3105	2587

November 2010

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		Board meeting at library 6:30 PM				Bagdad Mine Tour meet at Basha's 7:AM
	1	2	3	4	5	6
7	8	General Meeting 7:00 PM	10	11	12	13
14	15	16	17	18	19	20
21	22	23	2 nd Annual <i>Thanksgiving Feast in the Desert</i>	We will be camping at Burro Ck Campground	Field trips Fri & Sat	We will be leaving at 9:AM
24	25	26	27	28	29	30
Pack up & head for home!	28	29	30			

December 2010

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
Ludlow, Ca 5:AM at Power House	5	Board Meeting at Library 6:30 PM	8	9	10	11
12	13	Dinner at Lombardo's at 7:00PM	15	16	17	18
Moss Mine Meet at Hwy 68 & NWAztec at 8 AM	19	20	21	22	23	24
25	26	27	28	29	30	31