

MOROKS

OCTOBER 2012

Monrovia Rockhounds Newsletter

P.O. Box 553

Monrovia, CA 91017

Editor – Janie Duncan



October 2012 MOROKS Newsletter

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4 Board Mtg @ Janie's	5	6
7	8 Columbus Day	9	10	11	12	13
14	15	16	17 National Fossil Day	18 MK Silent Auction	19	20
21	22	23	24	25	26	27
28	29	30	31 Happy Halloween			

MOROKS NEWSLETTER OCTOBER 2012



MONROVIA ROCKHOUNDS



Club Information Our Website is www.moroks.com

ELECTED OFFICERS

PRESIDENT – Janie Duncan	(626) 358-8157
VICE PRESIDENT – Cal Matthews	(626) 798-7481
SECRETARY – Michele Silcock	(626) 357 8425
TREASURER – Jim Lloyd	(626) 793-9239
AUDITOR – Jo Anna Ritchey	(626) 359-1624
FEDERATION – Jo Anna Ritchey	626) 359-1624



CHAIRPERSONS

HISTORIAN – Nancy Hamrick	(626) 357-4106
BULLETIN – Janie Duncan	(626) 358-8157
CUSTODIAN – Jim Lloyd	(626) 793-9239
PICNIC – Donald Sneberger	(626) 941-6214
SHOW – Jo Anna Ritchey	(626) 359-1624
WEBSITE – Jo Anna Ritchey	(626) 359-1624
ROCK RAFFLE - Louise Stack	(626) 966 0350
FIELD TRIP – Ray Ritchey	(626) 359-1624
PHOTO – Donald Sneberger	(626) 941 6214
FELLOWSHIP/cards – Louise Stack	(626) 966-0350
REPRESENTATIVE – Gail Parks	(626) 359-6811
REPRESENTATIVE – Camille Rutkowski	(626) 289-2621

Membership: Annual donations are \$15.00 per member and \$5.00 per each additional member at the same address. \$10.00 per name badge is payable on the date of initiation.

Meetings: MOROKS meetings are held on the 3rd Thursday of each month. At 7:00 pm, in the basement of the United Methodist Church of Monrovia, located at 140 E. Palm Ave. Monrovia CA 91016. The building is on the corner of Ivy & Palm Ave. We use the door where there is handicapped access in the alley on the west side of the building. Do not try to enter from the front of the building. Guests are always welcome at our General Meetings. Please come and share our love of rocks.

Information: Monrovia Rock Hounds Inc. was founded August 28th, 1957. The club colors are green & white. The club is a non-profit organization dedicated to providing knowledge of the lapidary arts, geology, mineralogy, and other related fields. Members enjoy slide shows, lectures, demonstrations, displays, lapidary classes, our club library as well as field trips for exploration, study and collecting specimens.

VISITORS ARE ALWAYS WELCOME

Permission to reprint is granted if acknowledgement is given.

We reserve the right to edit all material submitted for publication.

**Monrovia
Rockhounds
OCTOBER
Birthdays**

**Tom Freeman 1
Judy McCulloch 6
Sharol Carter 30**



Field Trip Schedule 2012



**71st annual GEM-O-RAMA
Searles Lake Gem & Mineral Society**

will be on October 13-14, Saturday 7:30AM to 5PM - Sunday 7:30AM to 4PM at the Lapidary and Show Building - 13337 Main St. in Trona, . **FIELD TRIPS:** The field trips out to Searles Dry Lake are the best part of the show. Plan to attend both days trips. Registration is at the show from 7:30-9:00 am and 1:30-2:30 pm - you must register during these times to go on field trips Mud Trip - Saturday - 9AM (2½ hrs)- Cluster & barrel hanksite, trona, borax - \$10 per car. Blow Hole - Saturday - 2:30PM (2½ hrs) - Hanksite, halite, borax, sulfosalite - \$10 per car. Pink Halite - Sunday - Departure 9AM (4½ hrs) - In brine, beneath hard salt - \$15 per car. Searles Valley Minerals & Plants Tour - Saturday - 11:00, 11:40, 12:20, 1:00 and 1:40 - in bus - FREE Pinnacles Natural Landmark - Self guided, Information at show - FREE **TOOLS:** Saturday collecting trips - 3-tined cultivator to dig through mud, small brush to wash mud crystals, brine to wash crystals, bucket to hold what you find, carpet square to kneel or sit on (optional), gloves to protect hands (optional). All these items can be purchased at the show. Sunday trip - rock pick to chop off small specimens, heavy steel bar with blade for large specimens, bucket to hold what you find (boxes work well too), gloves to protect hands, carpet square to kneel or sit on (optional). **Important:** for either collecting trip bring a hat, water, sunscreen, a complete change of clothes, clean wash water, towels or rags. **AT THE SHOW:** 20+ dealers, 50 exhibits, geode cutting and sales, demonstrations, games, gem dig, free parking, snacks & drinks, grand prize, drawing, hourly door prizes, food, pancake breakfast at Trona Community Church at 6AM, Museum opens daily at 9AM.**ACCOMMODATIONS:** Valley Wells Recreation Area - 5.3 miles north of show, \$5/vehicle (dry camp, no resv.). Motels and stores in Ridgecrest, 25 miles west. Springhill Suites and Hampton Inn offer show prices. Call me at (626) 914-5030 if I can answer any questions. For more show information visit their web site at www1.iwvisp.com/tronagemclub or call Jim or Bonnie Fairchild at (760) 372-5356 . Joe Goetz

This is a combined Schedule from the Whittier, Pasadena, North Orange County and Monrovia Clubs. Each club sponsoring a trip will have a form to sign before each trip with the person leading that trip.

This link is the waiver.

<http://www.cfmsinc.org/forms10/waiver/waiver.pdf> Websites for these club may have maps and detailed information. Call Ray Ritchey or Cal Matthews for more help.

- Oct 13-14 Trona - Searles Lake
- Nov 3-4 Whittier Club Claim (Barstow)
- Nov 22-25 Stonewall Pass, NV
- Dec 8 Pinto Mountains copper minerals
- Jan 19-20 Quartzsite

PREZ SEZ



It is finally starting to cool off a bit so I had planned a trip to the Raymond M Alf Museum of Paleontology in Claremont. 2 days before I started having some back pain which got worse. So sorry I had to cancel but will try to book another day for the trip.

Janie Duncan

VICE PREZ SEZ



I was sorry to here that the Monrovia Arts Festival has been canceled. We have always had a good turnout at out booth at this event. I hate to disappoint all the regular customers and children that visit us each year. Let's all hope it is back on next year.

Cal Matthews

September 6th

MONROVIA ROCKHOUNDS BOARD MEETING

President: *Janie Duncan* called The meeting was called to order at 2:08 PM

Vice President: *Cal Matthews* The September meeting program will be the showing of America's Lost Treasures from the National Geographic Channel showing Janie Duncan and her dinosaur bone. October is silent Auction.

Secretary: *Michele Silcock* The minutes were approved as written in the bulletin.

Representative: *Camille Rutkowski* no report.

Representative: *Gail Parks* was absent

Auditor: *Jo Anna Ritchey* Absent The auditor's report has been completed and we are all in order.

Website: *Jo Anna Ritchey* was absent. No report.

Federation: *Jo Anna Ritchey* was absent. The CFMS Show and meeting will be at the Ventura County Fairgrounds next year.

Fellowship: *Louise Stack* Donald Sneberger will be going to Europe for 11 days. Jo Anna is better. Judy McCulloch is back home.

Treasurer: *Jim Lloyd* He reported 39 paid members.

Photographer: *Donald Sneberger* Donald took good pics at the general meeting.

Field trip: *Ray Ritchey* Janie has planned a trip to the Alf Museum in Claremont fort Sept. 27th.

Rock of the Month Talk: Ray Ritchey will do one on rhodonite.

Bulletin: *Janie Duncan* No report.

Great Rock Drawing: *Louise Stack* CA jadite for September. We have 5 rocks from Ann Dayne donated.

Custodian: *Jim Lloyd* We need Jim to spray for terminates soon.

Historian: *Nancy Hamrick* no report.

Picnic: Donald Sneberger no report.

Refreshments: September Janie will buy ice cream with club money. Tom and Ann will do October.

Show: *Jo Anna Ritchey* was absent. Letters went out to all the dealers. 4 paid.

Old Business: *Janie Duncan* 1. Modified booth for the Arts Festival. Sign ups at the Sep. Meeting.

New Business: *Janie Duncan* Janie Duncan Janie Duncan, Cal Matthews and Rudy Lopez picked up 2 loads of donated rocks from Ann Dayne. We have 4 big containers of good rocks the right size for grab bags stored at Janie's. Rudy is going to cut and polish some thundereggs for Ann. Some rocks are set for Silent Auction.

Adjourned the meeting at 3:25 pm



Bench Tips by Brad Smith More BenchTips by Brad Smith are at FaceBook facebook.com/BenchTips or at groups.yahoo.com/group/BenchTips

TEMPLATES

Whenever I have to make more than 2-3 exact copies of anything, I think of making a template. A template lets me easily draw the shape of an item. Art stores sell templates for common shapes like circles, ovals, hearts, etc, but if you need other shapes, it's easy to make your own. Simply cut the shape out of sheet plastic, copper or brass.

The brass template let's me quickly trace the design of these ginkgo leaf earrings onto silver sheet, and the nickel template makes it easy to drill the pin inlay pattern into the ironwood. After finding a poor selection of stock templates for ovals at my local art store, I was pleased with the wide selection on Cool Tools at <http://www.cooltools.us/> If you order, be sure to look for the 10% off code each month on their Home page. Kingsley North also has some nice templates at <http://www.kingsleynorth.com/>

September 20th

MONROVIA ROCKHOUNDS GENERAL MEETING

President: *Janie Duncan* called the meeting to order at 7:09 PM. and we said the Pledge of Allegiance.

Vice President: *Cal Matthews* Tonight will be the TV show America's Lost Treasures from the National Geographic Channel showing Janie and her stegosaurus dinosaur bone. October is our silent auction. November is Walt Lombardo talking on Rubies and sapphires in USA.

Secretary: *Michele Silcock* was absent. The minutes were approved as written in the bulletin.

Representative: *Camille Rutkowski* No report **Representative:** *Gail Parks* was absent.

Website: *Jo Anna Ritchey* will update when *Cal* gives her info.

Federation: *Jo Anna Ritchey* We collected nickels. The CFMS Show and meeting will be at the Ventura County Fairgrounds next year.

Fellowship: *Louise Stack* 39 members and 4 guests present. Kate, Jordon ,Em Michael Machlis who turned in his application . *Jo Anna* is doing better

Auditor: *Jo Anna Ritchey* the report is done.

Photographer: *Donald Sneberger* took pictures for the club.

Field trip: *Ray Ritchey* There is a combined club trip to the La Brea Tar pits in August. Janie is working on a day trip to the Raymond M Alf Museum of Paleontology in Claremont for the end of September.

Rock of the Month Talk: *Ray* did a talk on rhodonite and *Becky Fregoso* is doing November.

Bulletin: *Janie Duncan* no report.

Picnic: *Donald Sneberger* no report.

Great Rock Drawing: *Louise Stack* We had a large black jadite from Ann won by Michael Machlis and a beautiful pyrite rutilated quartz cab made by Rudy Lopez and won by *Becky Fregoso*.

Custodian: *Jim Lloyd* termites?

Refreshments: The club paid for ice cream. *Ronnie Lewis* for October and *Tom and Aynn Freeman* Nov.

Show: *Jo Anna Ritchey* 4 dealers paid. She mailed out letters to all the dealers.

Historian: *Nancy Hamrick* no report.

Old Business: *Janie Duncan* The Monrovia Arts Festival is cancelled.

New Business: *Janie Duncan* 1. The club voted to donate 2 or 3 cases to *Kim and Jay Erb* of the Searcers. One is to go to the BLM for a display. 2. We had a donation of about ½ truck load of rocks from *Ann Dayne* who is selling her house and moving to live near her son. 5 good rocks were saved for the drawing. Most were the right kind and size for grab bags in the future and are stored in closed containers in *Janie's* back yard. We gave her a tax letter for her son. *Rudy* is cutting a couple of thundereggs for her. A big that's to *Rudy and Cal* for helping *Janie* transport the rocks which were in containers and fairly clean. *Janie* has a big box of rocks for the silent auction from the rocks donated. The best piece was a large chunk of Arizona petrified wood. The board decided to use it for a members only raffle at the Christmas party. 3. *Michael Machlis* submitted his application.

Janie Duncan Adjourned the meeting at 7:20 pm

Adularia

Adularia is the name sometimes given to the finer grades of moonstone, of the translucent colorless to milky gem variety of orthoclase. This grade is primarily from Ceylon. When properly oriented and cut as a cabochon, it has an optical phenomenon of a floating billowy line of light that travels across the cab in a certain direction as the stone is turned. This peculiar effect is called adularescence. It is caused by diffuse light reflections from parallel intergrowths, in albite feldspar, which has a slightly different refractive index than the main mass of orthoclase. Via The Rockhounds



Interesting Facts: What is in your cell phone?

From the Mineral Information Institute (Used with permission via Gem Cutter's News)

- Arsenic (gallium arsenide in the amplifier and receiver). Mined in China, Chile, Morocco, Peru, Kazakhstan, Russia, Belgium and Mexico.
 - Copper (circuitry). Mined in Chile, United States, Peru, China, Australia, Russia, Indonesia, Canada, Zambia, Poland, Kazakhstan and Mexico.
 - Gallium (gallium arsenide). Mined in China, Germany, Kazakhstan and Ukraine.
 - Gold (circuitry). Mined in China, United States, Australia, South Africa, Peru, Russia, Canada, Uzbekistan, Ghana, Papua New Guinea, Indonesia, Brazil, Mexico and Chile.
 - Magnesium compounds (phone case). Mined in China, Turkey, North Korea, Russia, Slovakia, Austria, Spain, Australia, Brazil, Greece, India and the United States.
 - Palladium (circuitry). Mined in Russia, South Africa, Canada, United States and Zimbabwe.
 - Platinum (circuitry). Mined in South Africa, Russia, Canada, Zimbabwe, United States and Colombia.
 - Silver (circuitry). Mined in Peru, Mexico, China, Australia, Chile, Russia, United States, Poland, Bolivia and Canada.
 - Tungsten (circuitry). Mined in China, Russia, Canada, Austria, Bolivia and Portugal.
 - A multitude of petroleum products are used in cellular phones.
- About 130 million cell phones are retired annually in the United States. Collectively, these cell phones weigh about 14,000 metric tons. Annually retired cell phones contain almost 2,100 metric tons of copper, 46 metric tons of silver, 3.9 metric tons of gold, 2 metric tons of palladium, and 0.04 metric tons of platinum.
 - Recovery and recycling of cell phones are in the early stages of development, as is the case for recycling of electronics in general. For cell phone recycling to grow, recycling must become economically viable. Efficient recovery infrastructure, product designs that simplify dismantling, and other changes are needed to facilitate the growth of cell phone recycling.
 - Gallium arsenide is used in the amplifier and receiver.
 - Magnesium compounds are alloyed to make the cell phone cases.

Other Interesting Facts:

The National Research Council (NRC) of the National Academies Critical Minerals Report states that cell phones contain indium, titanium dioxide (for the dielectric heart of the phone), and indium tin oxide (in the liquid crystal display). The NRC Report also states that the "technological barrier to cellular communication was overcome only in the 1970s with the discovery of barium titanate ceramics. These ceramics possess the requisite dielectric properties for avoiding signal broadening and heat buildup, while operating over a wide temperature range at a consistent frequency. Other essential components of the cellular telephone include ceramic magnetic switches that contain rare earth elements (REs) and indium and the base stations for the cell phone networks that also use the element indium, as well as tantalum."

SOURCES

- Researcher: Eric Levonas, Colorado School of Mines Edited by the US Geological Survey 2010
http://www.eoearth.org/article/Cell_phone_recycling; Charny, Ben, 2005. U.S. cell tally-180 million users and counting. CNET.com.
- Environmental Literacy Council, 2004. Life cycle of a cell phone.
- Fishbein, B.K., 2002. Waste in the wireless world-The challenge of cell phones. New York, N.Y., INFORM, Inc., 81 p. ISBN: 0918780780.
- Gartner Inc., 2005. Gartner says mobile phone sales will exceed one billion in 2009.
- Heine, Seth, 2002. Interview with Seth Heine. CollectiveGood, Inc. Mobile Takeback Forum, 2005. FAQ:What is a mobile phone made from?.
- Most, Eric, 2003. Calling all cell phones - Collection, reuse, and recycling programs in the U.S. New York, N.Y., INFORM, Inc., 48 p. ISBN: 0910780810
- Nokia, 2005. Nokia 3595 phone features.
- Sullivan, D.E., 2006, Recycled cell phones - A treasure trove of valuable metals: U.S. Geological Survey. Fact Sheet 2006-3097, July, 4 p.



A Brief History of the American Federation of Mineralogical Societies, Inc. 50 Years of Service 1947 – 1997



With the formation of organized groups such as the New York Mineralogical Club in 1886 and Philadelphia Mineralogical Society in 1892, interest in the earth sciences and lapidary arts took on a new meaning and importance. Members of these pioneering organizations went on field trips, collected avidly, wrote extensively on their finds and interests and shared with one another a love of beauty and knowledge. Eventually a desire to share experiences and knowledge brought many of these "individual" clubs together. Groups in California joined together in 1935 to form the California Federation of Mineralogical Societies. This was followed by the Northwest Federation in 1938; the Midwest Federation in 1940; and the Rocky Mountain in 1941. As interest in the earth sciences and lapidary arts continued to grow and as more and more individuals learned about cutting precious and semi-precious stones or collecting minerals and fossils, it became obvious that a national overseeing group would benefit all. Such interest was expressed as early as 1938 when Dr. H. C. Dake of Portland Oregon suggested a meeting between the Northwest Federation and California Federation. The activities of World War II necessitated putting any further organizational efforts on hold and thus it was not until 1946 that activities were resumed again. Correspondence between Dr. Ben Hur Wilson of Joliet, Illinois and Dr. Richard Pearl of Denver, Colorado focused on the idea of a National Federation as proposed by Dr. H. C. Dake in 1941. Dr. Dake of Portland, Oregon was Editor of the "Mineralogist Magazine". At the Northwest Federation Convention in Boise Idaho (1946) a suggestion was made to hold a combined convention. Dr. Pearl eventually invited delegates from the four existing Federations to meet with him during the Rocky Mountain Federation Convention in Salt Lake City, Utah. The meeting was set for June 13, 1947 and was held at the Newhouse Hotel. Present at the auspicious organizational meeting were: Midwest Federation Rocky Mountain Federation Dr. Ben Hur Wilson Dr. Richard Pearl Alger R. Syme Chester R. Howard Northwest Federation California Federation Lloyd Roberson Ernest Chapman Earl Van Deventer Jack G. Streeter Since it was the desire of those present a new organization, named the American Federation of Mineralogical Societies was formed. Officers were elected and committees formed to write a Constitution and By-Laws. Denver, Colorado was selected as the site for the first "national" convention which was held in June, 1948. The first elected officers were: President - Vice President - Dr. Ben Hur Wilson Dr. Richard Pearl Secretary - Treasurer - Chester R. Howard Jack G. Streeter The Denver show proved to be a success. Excellent displays and an interesting array of lectures helped insure the future of the fledgling Federation. California was chosen as the site for the 1949 convention which was held in conjunction with the "Forty-Niner Centennial" held in Sacramento. With the success of this meeting, adoption of a Constitution and By-laws and a continued growing interest in the earth sciences and lapidary arts, the American Federation was on its way. The Eastern Federation joined AFMS in 1950 (just after it was formed) and the South Central (formerly Texas Regional Federation and a part of the Rocky Mountain Federation) joined in 1954. The last group to be admitted to AFMS was the Southeast Federation in 1993. In the fifty years following the organization of AFMS, many important programs have been initiated. Nearly 1,500 delegates and members were officially registered at the Denver Conclave held in June. It is estimated that at least an additional 1,500 passed into the exhibit halls and meeting rooms without registering, which was optional, making a total attendance of some 3,000 in all. *This article was presented at the combined EFMLS/AFMS Convention and Show in Jackson, Mississippi October 1997. It was hosted by the Mississippi*

Via Long Beach Mineral & Gem Society Pick and Shovel

October Program: Silent Auction November Program Topic: Walter Lombardo Rubies and Sapphires in USA



Dinosaurs had fleas too _ giant ones, fossils show Via The Agatizer By Stephanie Pappas

LiveScience.com In the Jurassic era, even the flea was a beast, compared to its minuscule modern descendants. These pesky bloodsuckers were nearly an inch long. New fossils found in China are evidence of the oldest fleas from 125 million to 165 million years ago, said Diyang Huang of the Nanjing Institute of Geology and Paleontology. Their disproportionately long proboscis, or straw-like mouth, had sharp weapon-like serrated edges that helped them bite and feed from their super-sized hosts, he and other researchers reported Wednesday in the journal Nature. Scientists figure about eight or more of today's fleas would fit on the burly back of their ancient ancestor. "That's a beast," said study co-author Michael Engel, entomology curator at the Natural History Museum University of Kansas. "It was a big critter. I can't even imagine coming home and finding my miniature schnauzer with one or more of these things crawling around on it." The ancient female fleas were close to twice the size of the males, researchers found, which fits with modern fleas. But Engel said it's not just the size that was impressive about the nine flea fossils. It was their fearsome beak capable of sticking into and sucking blood from the hides of certain dinosaurs, probably those that had feathers. These flea beaks "had almost like a saw running down the side," Engel said. "This thing was packing a weapon. They were equipped to dig into something." While the ancient fleas were big, they had one disadvantage compared to modern ones: Their legs weren't too developed. Evolving over time, fleas went from crawling to jumping, Huang said. "Luckily for the land animals of the Mesozoic, these big flat fleas lacked the tremendous jumping capacity that our common fleas have," said Joe Hannibal of the Cleveland Museum of Natural History. He wasn't involved in the study, but praised it as useful and interesting. Just finding the fleas was a stroke of luck, Huang said. He first found one in a Chinese fossil market and mentioned it to someone at his hotel. The other guest showed him a photo of another fossilized flea, telling him it was from Daohugou in northeastern China, where there's a famous fossil bed from about 165 million years ago. Huang went there and found fleas preserved in a brownish film of volcanic ash. The grains of rock were so fine you could see antennae and other details of the fleas, he said. Modern fleas get engorged after they feast on blood, but these didn't seem engorged, Engel said. It shouldn't seem too surprising that there were large fleas more than 100 million years ago. If you go back even farther in time, ancestors of dragonflies and damsel flies had 3-foot wingspans, Engel said.

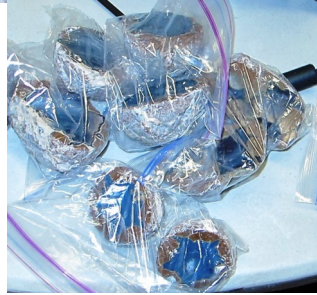
ADVICE FROM A FARMER * Your fences need to be horse-high, pig-tight and bull-strong. * Keep skunks and bankers at a distance.* Life is simpler when you plow around the stump. A bumble bee is considerably faster than a John Deere tractor.* Words that soak into your ears are whispered...not yelled.* * Meanness don't jes' happen overnight.* * Forgive your enemies. It messes up their heads.* Do not corner something that you know is meaner than you.* * It don't take a very big person to carry a grudge.* You cannot unsay a cruel word.* Every path has a few puddles.* When you wallow with pigs, expect to get dirty.* The best sermons are lived, not preached. * Most of the stuff people worry about ain't never gon-na happen anyway.* * Don't judge folks by their relatives. Remember that silence is sometimes the best answer.* Live a good, honorable life. Then when you get older and think back, you'll enjoy it a second time.* Don't interfere with somethin' that ain't bothering you none.* Timing has a lot to do with the outcome of a Rain dance.* If you find yourself in a hole, the first thing to do is stop diggin'!.* Sometimes you get, and sometimes you get got.* The biggest troublemaker you'll probably ever have to deal with, watches you from the mirror every mornin'.* Always drink upstream from the herd.* Good judgment comes from experience, and a lotta that comes from bad judgment.* Lettin' the cat outta the bag is a whole lot easier than puttin' it back in.** If you get to thinkin' you're a person of some influence, try orderin' somebody else's dog around.*Live simply. Love generously. Care deeply.* Speak kindly. Leave the rest to God.*Don't pick a fight with an old man. If he is too old to fight: he'll just kill ou.* Via The Agate Explorer

For sale 24" saw and some casting equipment for sale. 949-212-3341 Dana Brunn Call Janie to see pics.

MONROVIA ROCKHOUNDS PICTURE PAGE

By Donald Sneberger

September General Meeting



Left Ray Ritchey talk on Rhodonite center thundereggs for Ann Dayne upper right rhodonite specimens bottom left guest Michael Machlis with his prize bottom right Becky Fregos with her cabochon prize.



Cabochon made by Rudy Lopez donated for the great rock raffle prize. Thanks Rudy for this and cutting and polishing the thundereggs.



CFMS OCTOBER SHOW DATES

October 3 - 8: JOSHUA TREE, CA Hi-Desert Rockhounds of Moronga Valley Joshua Tree Sportsman's Club 6225 Sunburst Street Hours: 9 - 7 daily Contact: Wayne Hamilton, (760) 366-2915, cell (760) 401-0375 Email: waylin2000@msn.com Website: www.jtsportsmansclub.com/gemshow.htm

October 7: FALLBROOK, CA Fallbrook Gem & Mineral Facility 123 W. Alvarado Street Hours: 10 - 4 daily Website: www.fgms.org

October 13 - 14: GRASS VALLEY, CA Nevada County Gem & Mineral Society Nevada County Fairgrounds (Main Building) 11228 McCourtney Road Hours: 10 - 5 daily Contact: Kim Moore, (530) 470-0388 Email: Webmaster@ncgms.org Website: www.ncgms.org

October 13 - 14: TRONA, CA Searles Lake Gem & Mineral Society SLGMS Show Building 13337 Main Street Hours: Sat 7:30 - 5; Sun 7:30 - 4 Contact: Jim & Bonnie Fairchild, (760) 372-5356 Email: slgms@iwvisp.com Website: www1.iwvisp.com/tronagemclub

October 13 - 14: VISTA, CA Vista Gem & Mineral Society Antique Gas & Steam Engine Museum 2040 North Santa Fe Avenue Hours: Sat 10 - 5; Sun 10 - 4 Contact: Ray Pearce, (760) 726-7570 Contact: Lois Harr, (760) 724-0395 Email: rays-rocks@cox.net

October 20 - 21: ANDERSON, CA Shasta Gem & Mineral Society Shasta County Fairgrounds Briggs Street Hours: Sat. 9 - 5; Sun. 10 - 4 Sara Fenske Email: sarafenske@yahoo.com Show Website: www.shastagemandmineral.com

October 20 - 21: LOS ALTOS, CA Peninsula Gem & Geology Society Los Altos Youth Center One San Antonio Road Hours: Sat 10 - 5; Sun 11 - 4 Contact: Steve Jobe, (408) 834-5384 Email: steve_jobe@sbcglobal.net Website: www.pggs.org

October 20 - 21: PLACERVILLE, CA El Dorado County Mineral & Gem Society El Dorado County Fairgrounds 100 Placerville Drive Hours: 10 - 5 daily Contact: Arlene Williams, (530) 676-2472 Email: info@rockandgemshow.org Show Website: www.rockandgemshow.org

October 20 -21: WHITTIER, CA Whittier Gem & Mineral Society Whittier Community Center 7630 Washington Hours: 10 - 5 daily Contact: Marcia Goetz (626) 260-7239 Email: joemar1@verizon.net

October 26 - 27: WEST HILLS, CA Woodland Hills Rock Chippers First United Methodist Church 22700 Sherman

WEST COAST GEM & MINERAL SHOW ~ Fall

NOV. 9 - 11, 2012

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Picture of Space Shuttle Endeavor taken by member **Marcus Look** in Downtown Los Angeles