

The Carmel Valley **PROSPECTOR!**

February 2014

Vol. 54, No. 2



**Newsletter of the
Carmel Valley
Gem & Mineral Society**

*Online &
E-Mail
Edition*

www.cvgms.com

*(Please correspond to
saylor@redshift.com)*

***Our next meeting will be A WEEK LATER THAN USUAL, on
Friday, Feb. 14, 7:00 PM, at the PG Natural History Museum.
The program will be a DVD about the formation of the Rockies
from the History Channel's "Making of the Earth" series.***

THE CARMEL VALLEY PROSPECTOR * NEWSLETTER OF THE CARMEL VALLEY GEM & MINERAL SOCIETY, INC.

P.O. Box 22756, Carmel, CA 93922-0756 CLUB WEBSITE: www.cvgms.com NEWSLETTER

CONTRIBUTIONS: saylor@redshift.com

Elected Officers & Board of Directors- 2013

PRESIDENT	Susie Harlow	637-0735
VICE-PRESIDENT	Margaret Chan	883-2045
TREASURER	Pearl Chan	375-8194

RECORDING SECRETARY	Janis Rovetti	372-1311
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FEDERATION DIRECTOR	Karin Salomon	375-5233
BULLETIN EDITOR	Rich Saylor	372-9215

DIRECTOR 2014	Talma Taormina	375-1477
DIRECTOR 2015	Adrienne Pimentel	375-6360
DIRECTOR 2016	Barb Biewer	659-4156

Committee Chairpersons- 2013

SHOW	Board of Directors	
PROGRAM	Board of Directors	
FIELD TRIPS	Jay House	372-1011
PUBLICITY	Janis Rovetti	372-1311
DRAWING TABLE	Matt & Barbara Biewer	659-4156
SUNSHINE	Richard & Cynthia Franco	402-2106
REFRESHMENTS	Richard & Cynthia Franco	402-2106
SCHOLARSHIP	Talma Taormina	375-1477
MEMBERSHIP	Jay House	372-1011
CUSTODIAN	Matt Biewer	659-4156
LIBRARIAN	Richard Franco	402-2106
WEBMASTERS	Richard & Cynthia Franco	402-2106

CLUB INFORMATION:

ANNUAL DUES: Adults (21 & over) \$15, Couples \$20, Juniors (high school) \$1, and Pebble Pups (grade school or younger)- Free

INITIATION FEE: \$10 plus \$5 each additional family member (includes "stinkin' name badges!")

MEMBER OF: California Federation of Mineralogical Societies, American Federation of Mineralogical Societies (CFMS & AFMS)

CLUB MINERAL: Gold **CLUB COLORS:** Green & Gold **CLUB GEMSTONE:** Botryoidal Jade

SOCIETY PURPOSE: The Carmel Valley Gem and Mineral Society is a nonprofit organization dedicated to promoting the study of mineralogy and geology, to encourage the collecting of specimens and the practice of the lapidary arts, to promote responsible field excursions to mineral locations, and to further the education of all. **And remember, please...Tread Lightly!**

CLUB NEWSLETTER: Permission is given to *quote* any item in The Prospector *provided* proper credit is given. Please contact the editor for permission to reprint original articles in their entirety, which are to be considered as being copyrighted.

Rich Saylor, editor & publisher. Contributions, which are ALWAYS welcome, & (nice!) comments may be sent to

saylor@redshift.com

Carmel Valley Gem & Mineral Society general meetings: 2nd Friday, 7:00 PM; guests & visitors are welcome. Board meetings are held at 6:00 PM, before the General Meeting. Members are welcome to attend.

SUPPORT OUR LOCAL CLUBS:

The Santa Cruz Mineral & Gem Society meets on the 2nd Wednesday of each month, at 7:00pm, Live Oak Grange Hall, 1900 17th Ave., Santa Cruz. Their website is www.SCGMS.org for club info & their newsletter, The Lapidarian.

The Salinas Valley Rock & Gem Club meets on the 3rd Monday of each month, at the Veterans Hall in Spreckles, 5th & Llano streets; guests & visitors welcome. For club information & their newsletter, the club website is

www.salinastrockandgem.com. Also contact Karin Salomon, 375-5233. Guests and visitors are welcome. Annual SVR&G

Show: March 8 & 9, 2014, Veterans Hall, Spreckels. Admission will be free, lots of FREE parking.

2014 CVGMS Tentative Monthly calendar: PLEASE NOTE, ALL DATES TO BE CONFIRMED.

January: Friday the 10th

February: **Friday the 21st** The Newark show will be on Feb. 21, 22 & 23. No bus trip is planned; carpooling is suggested.

March: Friday the 14th.

April: Friday the 11th

May: Friday the 9th

June: Sunday the 8th (planned): Annual picnic & White Elephant Sale- Whispering Pines Park, Monterey

July: Friday the 11th

August: Friday the 8th

Sept.: Friday the 12th (General Meeting) **54th ANNUAL CVGMS GEM SHOW, SAT.& SUN. the 27th & 28th**

October: Friday the 10th

November: Friday the 14th - **THE ANNUAL AUCTION!**

December: Sunday, Dec. 7: **ANNUAL XMAS DINNER & INSTALLATION OF 2015 OFFICERS**

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VICE PRESIDENT'S MESSAGE February 2014

Hello Everyone, Our CVGMS President Susie Harlow is currently recovering from heart surgery. I will be filling in for her while she recovers. Hopefully, she will be back with us soon. She was very pleased to receive the Get Well card signed by our members at the January meeting. *(Ed.: Susie says she hopes to be at the March meeting! Get well soon, Susie!).* Please note that our next General meeting will be on **Friday February 21, 2014** at 7:00 pm at the Pacific Grove Museum of Natural History. The Museum has another event scheduled for our normal Feb 14 meeting date. A number of our members will be at the Tucson show at the beginning of February, so adjusting our meeting day to February 21, 2014 will allow more of our members to attend.

Our February program will be a DVD about the formation of the Rockies from the History Channel's Making of the Earth series. This is a beautifully filmed series with both on-site video and animation to explain the natural forces at work in the geological process.

Please prepare for our March Program on Friday March 14, 2014. We're having a Member's Show and Tell program. We will be asking all Members to bring something from their collection and talk about it. It doesn't have to take too much time. This will allow us to get to know our members and their interests better. Those who went to Tucson can show off their latest acquisitions.

The Castro Valley Mineral and Gem Society will be having its annual show in Newark, CA on Feb 21, 22 & 23, 2014. This is a little earlier than their normal March show dates. We can check with our members at our February meeting to see if people would like to carpool to attend the show. The Castro Valley club usually has a wonderful collection of dealers and exhibits. My personal favorite is their fluorescent minerals display. More information about the show can be found at <http://www.mgscv.org/show.html>.

On a personal note, I will be joining a number of Monterey Taiko players to perform with Watsonville Taiko for their 22nd Anniversary show "Flowers of Sarasouju" at Cabrillo College on Sat Feb 15, 2014 at 7:30 pm and Sun Feb 16 at 2:00 pm. More info at <http://www.watsonvilletaiko.org/index.html>. Please come if you can.

Hope to see you all at our monthly meeting on Friday February 21, 2014.

-Margaret Chan, CVGMS Vice-President

CVGMS BOARD MEETING: January 10, 2014

Call to Order: Meeting called to order by Vice-President Margaret Chan.

Present: Margaret Chan, Pearl Chan, Talma Taormina, Karin Salomon, Barb and Matt Biewer, Jay House, Adrienne Pimentel, and Janis Rovetti.

Correspondence: The Ventura Show will be March 1 and March 2, 2014.

Membership: Jay reports no new members.

Treasurer's Report: Pearl gave the treasurer's report. It was M/S/P to pay the current bills.

Federation: The annual CFMS Show sponsored by the Pasadena Lapidary Society will be May 30 to June 1, 2014. It will be held in Pomona Fairplex Bldg 5 and called "California Gem & Mineral Bounty." Karin attended the CFMS Fall Meeting in Visalia in Nov. 2013 and she reported that the meeting was very well attended. There were several good programs that dealt with how to ensure that clubs will flourish. Zzyzx will be March 30 - April 6, 2014.

Scholarship: Talma had nothing to report.

Sunshine: Susie Harlow is currently recovering from having had a defibrillator implanted with two leads (wires) threaded into her heart. If her heart stops, the device recognizes it right away and delivers a shock to get her heart started again. This is really scary and we wish you a full and speedy recover Susie!! She needs to recover for 2 months. We already miss you!!

New Business: Our February meeting has been changed to February 21, 2014 so make sure not to show up on Feb. 14.

January Program: Presentation/slide show by Matt, Barb, Talma, and Jay from their October 2013 field trip.

February Program: A DVD on the Rockies.

March Program: Show and Tell by all our members so bring your favorite rocks and minerals.

April Program: We will be doing a fossil dig for all of club members. It will be fun!

The meeting was adjourned. The next board and general meeting is February 21, 2014

-Janis Rovetti, Recording Secretary

AROUND THE WORLD...

Jim Brace-Thompson sent some very nice photos of work being done in India and Thailand, especially Burmese jade.



Traditional hand-powered carving & faceting in India



This Thai artisan is carving a lavender jade elephant



Making deals in Chantaburi, Thailand



The "Orchid Jade" factory in Chiang Mai, Thailand makes jade Buddhas for temples



A potential buyer in Chiang Mai, Thailand
evaluates faceted tourmalines



Faceted emeralds in Jaipur, India



PEBBLE PUPS

Hi- I'll be returning from my trip to Tucson by meeting time, so we'll have a program; maybe a show & tell or whatever...? So see you on the 21st of February!

Talma Taormina, Scholarship Chairperson

ALSO IN THE MAIL...

Field Trip To The Great Beatty, Nevada Mudmound/Bioherm

Please note: This report has been highly edited, due to its original length and inclusion of a great deal of technical scientific data and descriptions; far too extensive for inclusion in The Prospector. The complete, unedited article may be seen by going to <http://inyo.coffeecup.com/site/beatty/beattyfossils.html>. Many thanks to Anne McConnell, who lives nearby the site, for passing this on!

Beatty lies 115 miles north of Las Vegas along Highway 95 in Nye County, Nevada. It is the lone surviving member of the once-illustrious Bullfrog Mining District founded in the early 1900s. The nearby ghost town of Rhyolite, some two miles east--one of the most photogenic abandoned mining towns in all the West--was also a member of this short-lived yet important silver-producing region, where stock speculation far outdistanced mineral exploitation as the liveliest, though riskiest venture to



A view of the Great Beatty Bioherm
from State Route 374

undertake. Today the gaunt brick-building carcasses of Rhyolite roast in the summer sun while Beatty flourishes near the entrance to Death Valley National Park, one of America's most-visited natural treasures.

Beatty is also the staging area for a truly remarkable fossil locality--the great Middle Ordovician mudmound/bioherm on the flanks of the mountains in the vicinity. From a distance, the mountains within which the fossil locality lies appear to be an inhospitable moonscape of a place--a virtually barren upthrusting of desert rocks that overlook the Nevada Atomic Test Site to the immediate east. Apparently sparse in plant life, Beatty features a fantastic abundance of Middle Ordovician fossils in a geologic rock formation geologists call the Antelope Valley Limestone.



These formations include a wealth of excellently preserved invertebrate animal remains some 480 million years old, including echinoderms, sponges, bryozoans, ostracodes (tiny bivalve crustaceans related to barnacles), pelecypods, gastropods, trilobites, conodonts, cephalopods and brachiopods. All of the specimens, save the conodont elements, have been thoroughly silicified--that is, replaced by the mineral silicon dioxide--so the fossils can be dissolved out of their limestone matrix without damage using a dilute solution of acid. Acetic acid, by the way, must be used to find the conodonts. As regards continuing public access to these areas, BLM officials will soon conduct public hearings to determine whether the Beatty mudmound fossil beds should be placed into a special designation called an Area Of Critical Environmental Concern (ACEC, for short). If that designation comes to pass, the Beatty mudmound will most certainly become off-limits to all amateur fossil hunters; only those with degrees from an accredited university or personnel representing a museum will then be allowed to collect fossils there.

Not only are Ordovician fossils abundant in the vicinity of Beatty, but significant mineral exploration and exploitation also continues. For example, a few miles southeast of Beatty lies the Daisy Fluorspar Mine, discovered in 1918, which produced continuously from 1927 through the early 1960s. Fluorspar, which is usually found in shades of white, yellow, rose and crimson-red, violet blue, sky blue, brown, wine yellow, greenish blue and violet blue, has numerous important commercial applications, such as the manufacture of steel, refrigerants, aerosols, solvents, plastics, glass, ceramics, enamel, and aluminum. Cinnabar--mercury sulfide--has also been reported from the Daisy Mine, primarily as thin red stringers between fluorite and bands of calcite.

Another area of recent mineral exploration is the Telluride Mine district, several miles southeast of Beatty. Significant trace concentrations of the elements antimony, arsenic, cadmium, copper, gold, lead, molybdenum, silver and zinc have been reported there, initiating a hot claim-recording rush a few years ago. The old Telluride Mine itself--for which the district was named--is curiously enough an old mercury deposit, discovered in 1908.

Many folks who visit the Beatty region are of course interested primarily in the mineral content of the famous district, and there are loads of places to hunt for fascinating crystals and ores of various metals; but if one's main focus (read: obsession) is paleontology, then one is in for a special treat, because the great Beatty mudmound/bioherm is a genuinely remarkable specific Ordovician fossil site. The huge pale-gray mudmound accumulation can actually be spotted along the mountainsides from a distance of many miles, interestingly enough, most notably from roughly 20 miles away on the eastern side of Daylight Pass near the eastern entrance to Death Valley National Park, along State Route 374.

All of the fossils at the Beatty bioherm occur in the oldest sections of the Middle Ordovician Antelope Valley Limestone, roughly 480 million years old..

Yet another fascinating geophysical structure at the Beatty mudmound is the so-called zebra limestone development--an incredibly thick cyclic repetition of tightly laminated calcium carbonate strata that has defied a definitive explanation. . The mudmound near Beatty probably developed scores of miles from the ancient Ordovician shoreline in seawater shallow enough to allow monstrous algae mats to flourish and enormous quantities of animal life to thrive along the flanks of the mound.

While in the neighborhood, visitors to the Beatty mudmound/bioherm district might want to combine fossil seeking with a trip to nearby Death Valley National Park. The Visitor's Center, resort and Death Valley Museum at Furnace Creek are only 38 miles from Beatty--a quick "fossil's throw" away by vehicle. Along the way, though, you may want to take a detour through Titus Canyon, whose turnoff lies six miles east of Beatty along State Route 374. This is an ultra-scenic one-way route that winds through a narrow passage in the Grapevine Mountains, eventually connecting with California State Route 178 in the heart of Death Valley, 18 miles south of Scotty's Castle. Along the path through Titus Canyon, you can examine the Lower Oligocene Titus Canyon Formation, 35 million years old, a thick accumulation of muds, sandstones and conglomerates that entombed the remains of many species of extinct animals, including rodents, a dog, a horse, a titanothera, a rhino and oreodonts. The assemblage of vertebrate fossils is indicative of a lush green environment, well-watered, a scene that probably resembled a modern-day tropical forest--direct fossil evidence that creates one of the most startling contrasts imaginable: present day Death Valley, synonymous with sand, heat and aridity, was once a luxuriant forest in which a multitude of animals thrived.

Springtime and mid to late Fall are customarily considered the most comfortable times to visit this Great Basin Desert land. At an elevation of 3,284 feet, Beatty stays a little less hot in the summer than its sizzling neighbor Death Valley, but the difference, measured in five to ten degrees at the most, is arguably negligible, although the higher altitude certainly contributes to a much-welcomed cooling during the evening hours.

And now for the obligatory words of caution. Endemic to the Mojave Desert of California and southern Nevada (including Las Vegas, by the way) is Valley Fever. This is a potentially serious illness called, scientifically, Coccidioidomycosis, or "coccy" for short; it's caused by the inhalation of an infectious airborne fungus whose spores lie dormant in the uncultivated, harsh alkaline soils of the Mojave Desert; and the Great Beatty Mudmound/Bioherm lies within a northernmost sector of Nevada where Valley Fever spores have likely been detected.. Most cases of active Valley Fever resemble a minor touch of the flu. It is important to note, of course, that in rather



rare instances Valley Fever can progress to a severe and serious infection. Every fossil enthusiast who chooses to visit the Mojave Desert of California and southern Nevada must be fully aware of the risks involved.

Beatty, of course, offers the usual ingredients of civilization--motels, restaurants, service stations, a grocery store, shops and that fascinating institution, gaming. It is in fact a very friendly place to visit. The community makes an excellent jumping-off point for explorations of Death Valley and the great Beatty mudmound/bioherm.

The Bullfrog silver boom of the early 1900s brought Beatty to life. Now it is tourism to Death Valley, gaming, and the reliable arrival of motorists passing through along Highway 95 that contribute to the prosperity of the town--an economy apparently safe, for the time being at least.

Yet, one thing is for certain. Should Beatty eventually become a ghost town, joining its Bullfrog neighbor Rhyolite in silence, that great bioherm in the vicinity of town, visible from Daylight Pass near the eastern entrance to Death Valley some 20 miles away, will continue to rise majestically above the desert floor, its 480 million-year-old fossils emphasizing the mutability of man's designs.

MEMBERSHIP REPORT

at the Feb meeting we had a couple of people sign up for membership; they were Randall & Cheryl Humiston, Salinas, and two Juniors, Jocelyn Valencia and Aexander Baskoro, both from Marina. Also, Pat Rosburg re-joined the club at the Christmas Dinner.

Jay House, Membership Chairman

AND ALSO...

...Karin sent in this article written by the current president of CFMS - Thanks, Karin!

THE HEARTBEAT OF CFMS By Jennifer Haley, CFMS 2014 President

Often I am asked what CFMS is and what we are here for. When Terry asked me to write an article about it, I said "yes" in a heartbeat. There is so much I could write about the California Federation of Mineralogical Societies. Perhaps the best place to start is to give you some historical background.

Mineral clubs were formed in America as early as 1885, when the interest in the earth sciences really began blossoming. The first California club was formed in 1931 by the Mineralogical Society of Southern California in Pasadena. That club is still active today. In June 1935 a "Mineral Day," was held at the San Diego Exposition. Several representatives of various clubs met there (in those days that meant a good handful) to organize a state organization of mineral societies, and in January 1936 CFMS held their first convention. Their sole purpose was to bring together a closer association of clubs devoted to the earth sciences, and the practice of lapidary arts and crafts with a vision for the future. Soon rock and gem clubs were spouting up all over.

Grammar schools and middle schools were inviting their local rock and gem club to come in to teach their students programs in the earth sciences. This was one of the gifts the clubs gave to their communities very early on. Naturally this tradition became a charm magnet to inspire children of all ages to learn about the fascinating science hands on.

For generations, adult club members with their gracious personalities invited members to their personal work spaces to teach whoever wanted to learn about lapidary and the basics of jewelry making. Club field trips to collect rock material opened up a world of adventure and art, while at the same time everyone learned to hone their skills the more they learned.

The social relationships of belonging in a club were outstanding, and are what has always set a rock club apart from many other types of clubs. What people found when they discovered a rock club was a feeling of "home," and a good place to have fun while learning. What most people do not know is that CFMS suspended its activities during WWII, but resumed again in June 1946.

I think what people forget is that all the rock and gem clubs are the heartbeat of CFMS and visa versa. Every year the Federation with its family of clubs adds a new growth ring to their historical family tree based on the foundation of those who came before them. To all of them we owe a great sense of gratitude that will always be a part of who we are. What I like to tell people is when we lose those "golden ones" who touched our hearts and inspired us in the hobby, one of the best things you can do is to become in your own way a person who passes on the skills with the gifts of inspiration you were given.

Stay tuned next month for The Heartbeat of CFMS Part II, which will describe what the Federation does for the clubs.

To all of us who enjoy the earth sciences, and the practice of lapidary arts and crafts, "go out and play, put your hearts and your souls into the hobby and make some wonderful memories. It's what we do best and it is our gift to give." Let's make it great year!

UPCOMING EVENTS (February ~May 2014):

In general, due to space limitations, only club and Federation shows in California (CA), & “nearby” shows in Oregon (OR), Nevada (NV) Washington State (WA), Arizona (AZ) and New Mexico (NM) are listed. However there are many, many shows throughout the US and Canada, both club/Federation and commercial. For more information & other out-of-state listings, please go to: rockngem.com/showdates or cfmsinc.org

PLEASE NOTE THAT COMMERCIAL (non-club) GEMSTONE, JEWELRY, & BEADING SHOWS such as Gemfaire, Crystalfair, Martin Zinn Expositions, and others are generally not listed, since there are so many, but can be found at the above websites. Please confirm all show dates- Ed..

Note: for more up-to-date listings for November and beyond. Please go to the rockngem.com/showdates website for updates.

January 2014-February 2014

30-16—TUCSON, ARIZONA: Annual show; Eons Expos; Tucson 22nd Street Show; intersection of I-10 and 22nd Street; Daily 9-6; free admission; minerals, fossils, dinosaurs, meteorites, gems, jewelry, rough rock; contact Christine Perner, 38 Fox Ridge Rd., Sparta, NJ 07871, (516) 818-1228; e-mail: Christine@EonsExpos.com; Web site: www.22ndStreetShow.com

February 2014

1-15—TUCSON, ARIZONA: Wholesale and retail shows: Martin Zinn Expositions, LLC

1. Hotel Tucson City Center; 475 N. Granada; Daily 10-6; free admission; 300 dealers, Gallery of Artists displays
2. Ramada Ltd.; 665 N. Freeway; Daily 10-6; free admission; fossil dealers and displays
3. Mineral & Fossil Marketplace; 1333 N. Oracle; Daily 10-6; free admission

Contact Regina Aumente, PO Box 665, Bernalillo, NM 87004, (505) 867-0425; e-mail: mzexpos@gmail.com; Web site: www.mzexpos.com

7-10—TUCSON, ARIZONA: Annual Westward Look Show; Fine Mineral Shows; Westward Look Resort; 245 E. Ina Rd.; Fri. 10-6, Sat. 10-6, Sun. 10-6, Mon. 10-5; free admission; Al and Sue Liebetrau collection display; contact Dave Waisman, Fine Mineral Shows, PO Box 8543, Spokane, WA 99203, (509) 998-5987; e-mail: dave@finemineralshow.com; Web site: www.finemineralshow.com

8-9—OAK HARBOR, WASHINGTON: Annual show; Whidbey Island Gem Club; Oak Harbor Senior Center; 51 SE Jerome St.; Sat. 9-5, Sun. 9-4; free admission; member exhibits, demonstrations, dealers, rough and finished rock and gems, slabs, silent auction, door prizes, raffle, spinning wheel; contact Keith Ludemann, (360) 675-1837; e-mail: rock9@whidbey.net

13-16—TUCSON, ARIZONA: Annual show; Tucson Gem & Mineral Society; Tucson Convention Center; 260 S. Church Ave.; Thu. 10-6, Fri. 10-6, Sat. 10-6, Sun. 10-5; adults \$10, seniors and active military get \$2 off on Fri., children (under 14) free; contact TGMS Staff, PO Box 42588, Tucson, AZ 85733, (520) 322-6031; e-mail: tgms@tgms.org; Web site: www.tgms.org

14-16—PORTLAND, OREGON: Annual show; Oregon Agate & Mineral Society; OMSI; 1945 SE Water Ave.; Fri. 9:30-5:30, Sat. 9:30-5:30, Sun. 9:30-5:30; free admission; contact Sonia Watt, 4821 Grant St., Portland, OR 97215; e-mail: soniawatt@yahoo.com

14-16—QUARTZSITE, ARIZONA: 1st Quartzsite Gold, Treasure and Craft Show; Quartzsite Improvement Association, Miners Depot, Natures' Nuggets, Quartzsite Metal Detector Club; QIA Bldg.; 235 E. Ironwood St.; Fri. 9-5, Sat. 9-5, Sun. 10-4; adults \$5, children free; dealers, Quartzsite Metal Detector Club hunt, gold panning contest, speakers, author table, demonstrations, metal detecting and prospecting equipment Q&A; contact Richard Trusty, PO Box 4051, Quartzsite, AZ 85359-4051, (928) 927-5479; e-mail: QuartzsiteGoldShow@gmail.com; Web site: QuartzsiteAZGoldshow.com

14-23—INDIO, CALIFORNIA: Annual show; San Geronio Mineral & Gem Society; Riverside County Fair & National Date Festival; Gem & Mineral Bldg., Bldg. #1, 46-350 Arabia St.; Daily 10-10; adults \$8, seniors \$7, children \$6; more than 100 display, lapidary demonstrations, free rocks for kids, dealers; contact Bert Grisham, 1029 N. 8th St., Banning, CA 92220, (951) 849-1674; e-mail: bert67@verizon.net

21, 22 & 23- NEWARK, CALIFORNIA. Annual show, Mineral & Gem Society of Castro Valley, 6430 Newark Pavilion, Newark, CA. Over 40 quality jewelry, mineral, gem, bead and fossil dealers. For the eighth year running, we will have the largest display of fluorescent minerals in California thanks to the Fluorescent Mineral Society. Friday & Saturday 10AM - 6PM, Sunday 10AM - 5PM. Daily raffles @ 3 PM. , special ice age fossils from the Irvington District of Fremont ~ Thanks to Dr. Joyce Blueford and the Math Science Nucleus of Fremont. Demonstration Room to view the lapidary arts in progress, educational displays located in the main hall. Rock Spinning Wheel for kids only, Snack bar & Cafeteria, door prizes every half hour. Free parking & Children under 13 admitted free when accompanied by an adult. 3 Day Pass for \$6 - Use the flyer for \$1 off. Website: www.MGSCV.org.

22-23—MESA, ARIZONA: 48th Annual Jewelry, Gem and Rock Show; Apache Junction Rock & Gem Club; Skyline High School; 845 S. Crismon Rd.; Sat. 9-5, Sun. 10-4; adults \$3, students \$1, children free; dealers, jewelry, gems, cabochons, beads, rocks, specimens, slabs, fossils, lapidary equipment and supplies, door prizes, silent auction, gem tree-making activity, wheel-of-rocks, raffle; contact Katy Tunnichliff, (918) 440-9152; e-mail: katydidnt2007@gmail.com; Web site: www.ajrockclub.com

March 2014

1-2- VENTURA, CALIFORNIA: The Ventura Gem & Mineral Society, Inc. (VGMS) 52nd Annual Gem, Mineral, Fossil & Lapidary Show, Ventura County Fairgrounds, Seaside Park, 10 West Harbor Blvd., Ventura, California 93001.

Saturday 10 AM-5 PM; Sunday 10 AM-4 PM. Gems, Minerals, Fossils, Jewelry, Exhibits, Dealers, Demonstrators,

Silent Auctions, Kids' Activities, Raffle Prizes, Country Store & plant sale. FREE ADMISSION!!! However parking is \$5. Show chair: Krishna Juarez, (805) 323-6725; web site: www.VGMS.org

1-2—ARCADIA, CALIFORNIA: Annual show; Monrovia Rockhounds; LA County Arboretum; 301 S. Baldwin Ave.; Sat. 9-4:30, Sun. 9-4:30; adults \$8, seniors and students \$6, children \$3; more than 14 vendors, raffle, games, grab bags, geodes; contact Jo Anna Ritchey, 224 Oaks Ave., Monrovia, CA 91016, (626) 359-1624; e-mail: joannaritchey@gmail.com; Web site: www.moroks.com

7-9—NORTH APPLE VALLEY (COUNTY), CALIFORNIA: 38th Annual Outdoor Tailgate; Victor Valley Gem & Mineral Club; Stoddard Wells Rd.; northeast of Victorville, I-15 Exit 157, drive 12 miles northeast (graded dirt last 7 mi.); Fri. 9-5, Sat. 9-5, Sun. 9-5; free admission; rough materials, handcrafted and faceted jewelry, findings, equipment, minerals, fossils, collecting at the Verde Antique marble quarry, tri-color marble field trip Sat., map on Web site; contact Brett Ward, 15056 B 7th St., Victorville, CA 92392, (760) 243-2330; Web site: www.vvgmc.org

7-9—HILLSBORO, OREGON: Annual show; Tualatin Valley Rock & Gem Club; Washington Co. Fairplex; 873 NE 34th Ave.; Fri. 9-5, Sat. 9-5, Sun. 10-5; adults \$1, children (12 and under) free; contact Mitch Metcalf, (503) 726-9168; e-mail: president@tvrge.com; Web site: www.tvrge.org

8-9—SAN MARINO, CALIFORNIA: 56th Annual Gem & Mineral Show; Pasadena Lapidary Society; San Marino Masonic Center; 3130 Huntington Dr.; Sat. 10-6, Sun. 10-5; free admission; "Nature's Palette of Gems and Minerals": dealers, gems, minerals, beads, jewelry, fossils, displays, kids' games, silent auction, raffle, lapidary demonstrations; contact Marcia Goetz, (626) 260-7239; Web site: www.pasadenalapidarysociety.org

8-9—SPRECKELS, CALIFORNIA: Annual show; Salinas Valley Rock & Gem Club; Spreckels Vets Hall; 5th St. and Llano St.; Sat. 10-5, Sun. 10-5; free admission; door prizes, raffle, dealers, rough rock, slabs, finished jewelry, fossils, gems, beads, findings, cab making demonstration, bug beads, silent auction, wheel of fortune, tumbled stone bags, case displays; contact Karin Salomon, CA, (831) 375-5233; e-mail: kl.salomon72@yahoo.com; Web site: salinasrockandgem.com

8-9—TURLOCK, CALIFORNIA: Annual show; Mother Lode Mineral Society; Stanislaus County Fairgrounds; 900 N. Broadway; Sat. 10-5, Sun. 10-5; adults \$6, children (under 12) free with adult; more than 40 dealers, rocks, minerals, fossils, jewelry, beads, supplies, fluorescents, jewelry-making demonstrations, fluorescent display tent, children's activities, bracelet making, soapstone carving; contact Bud or Terry McMillin, (209) 524-3494; Web site: www.turlockgemshow.com

15-16—LEMOORE, CALIFORNIA: Annual show; Lemoore Gem & Mineral Club; Trinity Hall; 470 Champion St.; Sat. 10-6, Sun. 10-4; free admission; rocks, lapidary rough and supplies, gems, minerals, beads, fossils, jewelry, reference books, rock-cutting demonstrations; contact Ghis Wertenberger, PO Box 455, Lemoore, CA 93245, (559) 309-3433; e-mail: georgersilva@sbcglobal.net

15-16—VALLEJO, CALIFORNIA: Annual show; Vallejo Gem & Mineral Society; Solano County Fairgrounds, Mc Cormack Hall; 900 Fairgrounds Dr.; Sat. 10-5, Sun. 10-5; adults \$5, children (under 12) free with adult; "Spring Bling": jewelry, beads, necklaces, turquoise, jade, minerals, fossils, crystals, demonstrators, kids' activities; contact Dan Wolke, (707) 334-2950; e-mail: dncwolke@sbcglobal.net; Web site: vjgems.org

22-23—ANGELS CAMP, CALIFORNIA: Annual Calaveras Gem and Jewelry Show; Calaveras Gem & Mineral Club; Calaveras County Fairgrounds; 101 Frogtown Rd.; Sat. 10-5, Sun. 10-4; adults \$4, and students (13 over), children (12 and under) free with adult; exhibits, jewelry, carvings, faceted gemstones, polished rocks, demonstrators, faceting, wire wrapping, chain fabrication, flint knapping, hard rock carving, dealers, jewelry-making supplies and tools, beads, minerals, gemstones, handcrafted jewelry, meteorites, fossils; contact Anna Christiansen, 245 N. 6th Ave., Oakdale, CA 95361, (209) 847-1173; e-mail: achrist361@sbcglobal.net; Web site: www.calaverasgemandmineral.org

22-23—ROSEVILLE, CALIFORNIA: 52nd Annual Show; Roseville Gem & Mineral Society; Roseville (Placer County) Fairgrounds; 800 All America City Blvd., off Washington; Sat. 10-5, Sun. 10-4; adults \$6, seniors \$5, children (12 & under) free; inside and outside, more than 50 dealers, crystals, beads, minerals, gemstones, meteorites, jewelry, fossils, activities, more than 35 exhibits, gold panning, kids' "Education Station", Scout activities, polished stones, jade, opal, world-class mineral specimens, tourmaline, gold, petrified wood, demonstrations, silent auctions, metal detecting, free gem and mineral ID, raffle, door prizes, lapidary shop open house; contact Gloria Marie, PO Box 1547, Foresthill, CA 95631, (916) 216-1114; e-mail: gloriarosevillerockrollers@gmail.com; Web site: www.rockrollers.com **March 2014**

29-30—TORRANCE, CALIFORNIA: 65th annual ; South Bay Lapidary & Mineral Society; Ken Miller Recreation Center; 3341 Torrance Blvd., entrance on Madrona Ave.; Sat. 10-5, Sun. 10-4; free admission; door prizes, special guest exhibitors and demonstrators, fluorescent mineral exhibit, petrified forest display, polished stones, rough rock and slabs, Artisans Store featuring handmade jewelry, silent auction; contact Craig Polliard, (310) 533-4931; e-mail: CraigPolliard@yahoo.com; Web site: www.palosverdes.com/sblap

29-30—SWEET HOME, OREGON: Annual show; Sweet Home Rock & Mineral Society; Sweet Home High School Activity Gym; 1641 Long St.; Sat. 10-6, Sun. 10-5; adults 50 cents, children (12 and under) free with adult; raffle, displays, dealers, door prizes, demonstrations; contact Joe Cota, PO Box 2279, Lebanon, OR 97355, (541) 451-2740

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5-6—CENTRAL POINT, OREGON: Annual show; Roxy Ann Gem & Mineral; Olsrud Arena; Jackson County Fairgrounds; Sat. 9-5:30, Sun. 10-4:30; adults \$4, seniors and students \$2, children (under 6) free; "Amazing Gems": exhibits, dealers, demonstrations, gold panning, silent auction, children's activities, door prizes; contact Jami Walkins, Crater Rock Museum, 2002 Scenic Ave., Central Point, OR 97502, (541) 664-6081; e-mail: roxyanngems@msn.com; Web site: www.craterrock.com

11-13—EUREKA, CALIFORNIA: Annual show; Crafty Cat Events; Redwood Acres Fairgrounds; 7250 Harris St.; Fri. 12-6, Sat. 10-6, Sun. 10-5; adults \$3, seniors and students \$2, children (12 and under) free; contact Johnita Wemken, CA, (916) 212-1647; e-mail: info@craftycatevents.com; Web site: www.craftycatevents.com

11-13—PORTLAND, OREGON: 57th Rock, Mineral & Gem Show; Mt. Hood Rock Club; National Guard Armory; 10000 NE 33rd Dr., off Marine Dr.; Fri. 10-5, Sat. 10-5, Sun. 10-4; free admission; contact L.F. Smith, 15523 NE 215th Ave., Brush Prairie, WA 98606; e-mail: mhrcshow@gmail.com

12-13—PARADISE, CALIFORNIA: Annual show; Paradise Gem & Mineral Club; Elks Lodge; 6309 Clark Rd.; Sat. 10-5, Sun. 10-4; adults \$2, students and children free; contact Manuel Garcia, 5659 Foster Rd., Paradise, CA 95969; Web site: paradisegem.org

12-13—SAN JOSE, CALIFORNIA: 58th Annual Show; Santa Clara Valley Gem & Mineral Society; Santa Clara County Fairgrounds; 344 Tully Rd.; Sat. 10-5, Sun. 10-5; adults \$6 (\$1 off coupon on Web site), children (under 12) free; kids' area, gold panning, flintknapping, demonstrations, displays, fluorescent mineral display, 50 dealers, scholarship booth, special programs, door prizes; contact Frank Mullaney, (408) 265-1422; e-mail: info@scvgms.org; Web site: www.scvgms.org

12-13—ANTHEM, ARIZONA: Annual show; Daisy Mountain Rock & Mineral Club; Anthem School; 41020 N. Freedom Way; Sat. 10-5, Sun. 10-4; adults \$3, seniors and students \$2, children free; gems, minerals, fossils, fluorescence, jewelry, beads, wire wrapping, geodes, raffles, kids' events; contact Ed Winbourne, 1717 W. Medinah Court, Anthem, AZ 85086, (978) 460-1528; e-mail: ewinbourne@gmail.com

18-20—RICKREALL, OREGON: 59th Annual River of Gems Show; Willamette Agate & Mineral Society; Polk County Fairgrounds; 520 S. Pacific Hwy. W; Fri. 9-6, Sat. 10-6, Sun. 10-4:30; adults \$2, children (under 12) free; Agates; contact Etheleen Flippo, (503) 623-4247; e-mail: reflippoo@hotmail.com

19-20—MARIPOSA, CALIFORNIA: Show and sale; California Mineral & Mining Museum, Mariposa Gem Club; Mariposa Fairgrounds; 5005 Fairgrounds Rd.; Sat. 10-6, Sun. 11-5; adults \$3; contact Martin Foden, 5008 Highway 140, Suite A-295, Mariposa, CA 95338, (209) 742-4036; e-mail: martin@safarigold.com; Web site: www.camineralmuseum.com

26-27—SANTA CRUZ, CALIFORNIA: Annual show; Santa Cruz Mineral & Gem Society; Santa Cruz Civic Auditorium; corner of Church St. and Center St.; Daily 10-5; adults \$5, children (under 12) free; fluorescent room, Treasure Wheel, exhibits, lectures, gold panning, dealers, minerals, fossils, gemstones, jewelry, tools, guidebooks, display specimens, kids' activities; contact Dean Welder, (408) 353-2675; Web site: www.scmgs.org

26-27—THOUSAND OAKS, CALIFORNIA: 40th Annual Show; Conejo Gem & Mineral Club; Borchard Park Community Center; 190 Reino Rd., corner of Borchard Rd. and Reino Rd.; Sat. 10-5, Sun. 10-5; free admission; "Pageant of a Thousand Gems": exhibits, sales, gems, jewelry, rocks, minerals, fossils, special youth activities, lapidary and jewelry-making demonstrations, silent auction, door prizes; contact Robert Sankovich, 1961 Havenwood Dr., Thousand Oaks, CA 91362, (805) 494-7734; e-mail: rmsorca@adelphia.net; Web site: www.cgamc.org

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2-4—BISHOP, CALIFORNIA: Retail show; Lone Pine Gem & Mineral Society; Bishop Fairgrounds-Robinson Bldg.; Sierra St.; Fri. 5-10, Sat. 9-7, Sun. 10-3; free admission; demonstrators, displays, games and free rocks for children, field trip Sun., dealers, door prizes, drawing, information on rocks; contact Steve Mobley, PO Box 977, Lone Pine, CA 93545, (760) 793-6025

3-4—ANAHEIM, CALIFORNIA: 55th Annual Gem, Mineral and Jewelry Show; Searchers Gem & Mineral Society; Brookhurst Community Center; 2271 W. Crescent Ave.; Sat. 10-5; free admission; kids' jewelry making, dealers, exhibits, demonstrations, gold panning, silent auction; contact Sharon Burson, 11326 Candor St., Cerritos, CA 90703, (562) 706-2054; e-mail: bursonrocks@verizon.net

3-4—PASO ROBLES, CALIFORNIA: Annual show; Santa Lucia Rockhounds; Pioneer Park & Museum; 2010 Riverside Ave.; Sat. 9-5, Sun. 9-5; free admission; dealers, kids' activities, demonstrators; contact Kim Noyes, (805) 610-0603; e-mail: kimnoyes@gmail.com; Web site: www.slrockhounds.org

3-4—YUCAIPA, CALIFORNIA: Annual show; Yucaipa Valley Gem & Mineral Society; Scherer Senior Center; 12202 First St.; Sat. 10-6, Sun. 10-4; free admission; more than 15 dealers, raffle, silent auction, kids' activities, in conjunction with the Yucaipa Music and Arts Festival; contact Lee Peterson, (909) 794-0731; e-mail: res09ayd@verizon.net; Web site: www.yvgms.org

3-4—ROSEBURG, OREGON: 44th Annual Show; Umpqua Gem & Mineral Club; Douglas County Fairgrounds; I-5 Exit 123; Sat. 9-5, Sun. 10-4; free admission; kids' rock hunts, silent auction, demonstrations, dealers; contact Janet Stringfellow, PO Box 1264, Roseburg, OR 97470; e-mail: soldbyjanets@yahoo.com

10-11—RENO, NEVADA: Annual show; Reno Gem & Mineral Society; Reno Livestock Event Center; 1350 N. Wells Ave.; Sat. 10-5, Sun. 10-4; adults \$6, seniors and students \$4, children free; contact Steve Norman, 1653 Topeka Circle, Sparks, NV 89434, (775) 358-7322; e-mail: snorm11@hotmail.com; Web site: www.renorockhounds.com

17-18—LAKEVIEW, OREGON: Annual show; Tall Man Rock Chippers; Lake County Fair Grounds; 1900 N. 4th; Sat. 10-5, Sun. 10-4; free admission; dealers, field trips, Oregon sunstone, children's activities, silent auction; contact LeRoy Johnson, 39 N. L St., Lakeview, OR 97630, (541) 947-4267; e-mail: lostmyarblesor@yahoo.com