



the
**ROLLIN'
ROCK**

ROSEVILLE ROCK ROLLERS, INC.

MEMBER, CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES
MEMBER, AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES
VOL 45 NO. 1 JANUARY 2004

EDUCATIONAL MEETING
EXECUTIVE BOARD MEETING

2ND TUESDAY OF EACH MONTH, 7:00 PM
4TH TUESDAY OF EACH MONTH, 7:00 PM

EDUCATIONAL MEETING LOCATION: MAIDU COMMUNITY CENTER,
1550 MAIDU DRIVE, ROSEVILLE, CA

BOARD MEETING LOCATION: GRANITE BAY LIBRARY,
6475 DOUGLAS BLVD, GRANITE BAY, CA

Changes and exceptions will be published in the bulletin.

GUESTS AND VISITORS ALWAYS WELCOME

ROSEVILLE ROCK ROLLERS GEM & MINERAL SOCIETY
BULLETIN EDITOR
P.O. BOX 212
ROSEVILLE
CALIFORNIA 95678

Send exchange bulletins to
above address



JANUARY 2004





From the President's Pen:

Happy New Year to you! As the year 2004 commences, it is a good time to look back at the past 12 months. The Roseville Rock Rollers has some interesting educational programs, two lively auctions, several very enjoyable field trips and a good rock and gem show. However, the year 2004 can be even better! We would like to see an increased membership and even greater participation by our members! The Board would like your suggestions and insights as well, in order that our time together is more rewarding, educational and fun. Please let the Board hear from you!

At the December Potluck and Officer Installation (Educational meeting) the club membership voted to host the 2005 California Federation of Mineralogical Societies (CFMS) Show. The Board recommended this, after a presentation by the officers of CFMS. We expect approval by CFMS. Hosting the California State Show will require a strong and active commitment by all of our club members. At the same time, it will be well worth the effort in terms of club recognition and financial reward. Sponsoring the state show in 2005 will provide name recognition for several years to come. Also, we expect a financial return that will allow our organization more flexibility, whether we agree to set up a permanent location for our lapidary equipment or buy a new trailer. CFMS will provide the guidance to make this show a success, from organizing the show committee, coordinating the duties of each show officer and setting forth a realistic timeframe for each job. We are already off to a great start with an enthusiastic show committee! We help all of you will support this wonderful effort.

Karla Shannon

Vice President's Viewpoint:

Here we go, another year has come and gone. All the Rock Rollers want to thank Bob Oleachea for hanging in there, doing the job and mentoring the new kids as they came and went. With a new slate of officers, there will most likely be a few changes in the administration, but not without sincere respect for those who built and ran the club for all these years.

The holiday dinner was great with plenty of food and fantastic table decorations. Our education meeting for January is, tentatively, going to be a presentation by Michael Santos on Meteorites! Michael has collected and shown specimens for over thirty years, and professionally prepared and shown specimens for the last twenty years.

If you have been exposed to any great presentations recently, please hook me up with the individuals or organizations that might help us out with a selection of possible speakers; it would be greatly appreciated. See you in January!

Jim Hutchings

Outgoing Vice President's Comments:

The December Educational Meeting was very much in the spirit of the event, with a bountiful selection of refreshments and gifts. The main event for the evening was a wonderful Potluck Dinner, with the main meat course brought in by the Clark family, Winnie and Charles. Members brought in wonderful table center settings, including handmade ones by Frank Yoschak. Kymberly and Rolf Andrews, along with the Killen and Phillips families, brought in many containers of floral and branched decorations which, spread around the room, really gave the event a spirited Christmas atmosphere.

The second main event was the acknowledgement of the outgoing year 2003 Board Members and introduction of the year 2004 Board Members. Lois Houston once again presented an exciting Board position exchange.

I want to thank Jim Hutchings for volunteering for the position of Vice President for year 2004. I'm sure with club members giving him suggested leads for our Educational Meetings, year 2004 will be a great one for the Roseville Rock Rollers. I also thank one and all for helping me make my stay as your Vice President a memorable and productive one.

Robert E. Oleachea

EDUCATIONAL PROGRAM FOR JANUARY 13, 2004

Tentatively scheduled: a presentation by Michael Santos on Meteorites

**MINUTES FOR ROSEVILLE ROCK ROLLERS
EDUCATIONAL MEETING DECEMBER 9, 2003**

1. **Call** to Order at 6:45 P.M. by President Karla Shannon.
2. Flag Salute
3. **Invocation** was given by Milt Houston.
4. **Present:** 25 members, 4 juniors and 1 guest.
5. **Dinner**
6. **Karla Shannon** gave thanks to all the officers for their work in 2003.
7. **Nomination Committee report** - slate for the officers for 2004 was read. Jim Hutchings was nominated for the position of Vice President. A motion to close the nominations was made by Hugh Brady and seconded by Milt Houston. A motion to vote by acclamation was made by Gloria Tomczyk and seconded by Frank Yoschak. Motion passed.
8. **Officers for 2003** – thanks were given for their service during 2003. Each received either a CFMS triangle or bar position on the RRR Board.
9. **Lois Houston** presided over the installation of the officers for 2004: President, Karla Shannon; Vice President, Jim Hutchings; Treasurer; Terry Yoschak; Secretary / Membership, Florence Brady; Past President, Jim Barton; Librarian, Nettie Moore; Historian, Lois Reynolds; Field Trip Leader, Jim Barton; two year directors Hugh Brady and John Cartwright; one year directors Rolf Andrews and Milt Houston; Federation Director, Gloria Tomczyk; and Bulletin Editor, Terry Yoschak
10. **Old Business** –
 - a. Kym Andrews shared the club logo and tee shirt color for the tee shirts which now can be ordered for \$10 each.
 - b. Postcards – are available for distribution
 - c. Next Board Meeting – December 16th at the Granite Bay Library.
11. **Drawing winners** were Allan Woltman, member; Michael Zancai, junior; and guest Mike Arnold.
12. **Show** – Discussion occurred regarding RRR sponsoring the CFMS show in 2005. Both Karla and Gloria spoke on the pros and cons for hosting the show, which would be a 3-day show with 50 dealers. Dates would be at the end of May or during June. A poll was taken to see how many members were willing to participate in putting on the show. Most raised their hand. A motion to take a vote to host the CFMS 2005 Show was made by Gloria Tomczyk and seconded by Diane Killen. Votes were: 23 yes and 1 no vote.
13. **Field Trip Report** – Jim Barton reported on the field trip to the Academy of Science in S.F. A repeat trip will occur in January 2004. See bulletin for details. Jim is working on the list of trips for 2004.
14. **Miscellaneous Business** – Jim Barton reported on the upcoming event, Christmas in Coloma.
15. **Treasurer** – in the absence of Rob Blazina, Karla asked if there were any bills to be presented.
16. **Adjournment** – meeting was adjourned at 8:47 P.M.

Respectfully submitted,
Florence Brady, Secretary

**MINUTES FOR ROSEVILLE ROCK ROLLERS
BOARD MEETING DECEMBER 16, 2003**

This was a Board Meeting of the Officers on the 2003 Board along with the Officers on the 2004 Board.

1. **Call to Order** by President Karla Shannon at 7:10 P.M.
2. **Present:** Karla Shannon, Jim Hutchings, Bob Oleachea, Rob Blazina, Terry Yoschak, Florence Brady, Jim Barton, Rolf Andrews, Kym Andrews, Hugh Brady, John Cartwright, Gloria Tomczyk and Betty Soper-Arnold. Absent: Nettie Moore, Milton Houston, and Lois Reynolds.
3. **Minutes:** Board Meeting on November 25, 2003 and Educational Meeting on December 9, 2003. Motion to approve was made and passed.
4. **Treasurer** – Bills were received for: bulletin copying, refreshments and chicken for December potluck, Tee shirts order, PO Box renewal, and secretarial costs. A motion to approve the bills as stated was made by Jim Barton and seconded by Rolf Andrews. Motion passed. Discussion about names on signature card for the Club's checking account: It was decided that Rob Blazina, Terry Yoschak and Jim Barton would all be on the signature card.
5. **Membership** – to date 60 members have renewed. "Pink slips" will be sent out, advising January 2004 bulletin will be the last to be received by the members who have not renewed. A membership application was received from Joseph Cartwright, a junior. Motion to approve him as a new junior member was made and passed.
6. **Programs, Vice President** – outgoing VP, Bob Oleachea, stated he has given his materials to incoming VP Jim Hutchings. Jim is working on getting a speaker for January's Educational Meeting.
7. **Librarian/Historian** – the Club's copy of the book Minerals of Nevada has been received.
8. **CFMS** – director Gloria Tomczyk had no report.
9. **Field Trips** – Jim Barton will plan a field trip to the S.F. Academy of Sciences in January, pending information on whether the Golden Gate Park Museum will still be open. 2004 CO-OP field trip list has been mailed to the CO-OP clubs. Jim is considering returning to the common opal site in March.
10. **Show 2004** – Betty Soper-Arnold had no report. Gloria Tomczyk reported on the number of dealers and tables committed to date. CFMS will have the show listed in the next CFMS bulletin. Various magazines were sent reminders of show date. Half of the contact payment was made to the Fairgrounds to retain agreed price; balance due in January. Layout of tables in the main building was discussed.
11. **Directors** – no reports.
12. **Bulletin** – Terry Yoschak reported the deadline for articles is Dec. 30th.
13. **Website** – Terry Yoschak reported on need to obtain a new web host. A motion was made by Gloria Tomczyk and seconded by Rolf Andrews to authorize Terry Yoschak to change the host. Motion passed.

(continued next page)

(Continued from Page 2)

14. **Old Business**

- a. Mailbox key – Jim Barton obtained the 3rd key from Myron Zents. It was decided that Jim, Rob and Terry should each have a key.
- b. Tee Shirts – Kym Andrews distributed a sign up sheet at the Board Meeting. The shirts should be available for delivery at the January Educational Meeting.

15. **New Business**

- a. Officers receiving a free copy of the monthly CFMS Bulletin are Karla Shannon, Gloria Tomczyk and Terry Yoschak. A motion was made and passed to pay an additional \$11 for two extra copies for Florence Brady and Jim Hutchings.
- b. CFMS Dues – discussion occurred on the payment of the annual dues.
- c. Club Stationery – Gloria Tomczyk shared a new design she developed for the club's stationery.

16. **CFMS 2005 Show** – Gloria Tomczyk, Hugh and Florence Brady and Rob Blazina met with CFMS Officers at the Fairgrounds on December 14, 2003 to evaluate the site. Pending approval by the CFMS Board, the dates for the show will be June 10th, 11th and 12th. Set up days will be June 8th and 9th. The Club needs to decide the 3 categories for which all proceeds will go to the club. Front door admission fees and dealer fees could be two of them. The Club can designate some events as Club Events only.

17. Adjournment – meeting was adjourned at 9:10 P.M.

Respectfully submitted,
Florence Brady, Secretary

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January Board Meeting

The meeting will be at 7:00 PM, January 27, 2004, at the Granite Bay Library.

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Report on November Field Trip

On Saturday, November 15, 2003 five members and one guest carpooled to San Francisco via the Golden Gate to the California Academy of Sciences. We viewed many of the exhibits, including 150 Years of Science, Hall of Minerals, Life Through Time, and Earthquakes. A return trip was tentatively scheduled for January, but the exhibits were closed as of December 31 for a major renovation.

Jim Barton

Welcome New Member
 – Junior Member –
 Joseph Cartwright

We hope to see you at all the meetings, and we hope you will take advantage of our Club's many perks and the opportunity to learn and grow with others who share this wonderful hobby!

* * * * *

January Meeting Refreshments



Refreshments for the January 13th meeting are to be provided by Nettie Moore, Diane Killen, & Betty Soper-Arnold

* * * * *

January Field Trip

On Saturday, January 24th, we will meet at the free Placer County Museum, 101 Maple Street in Auburn (old courthouse) at 10 AM to view the Gold Collection. <http://www.placer.ca.gov/museum/>.

At noon we will travel down Highway 49 to Coloma, 19 miles south of Auburn, to attend the State's 155th celebration of the day gold was discovered at Sutter's Mill by James Marshall. Bring a sack lunch for a rain or shine picnic (we can eat under the eaves outside of the park museum) and tour the Marshall Gold Discovery State Park museum and grounds, which also include mining equipment (stamp mill, hydraulic monitors, etc.) and a replica of the mill. Costumed re-enactors/demonstrators and vendors will be onsite. We can also pan for gold on the South Fork of the American River. I know this park very well, having served as a State Park docent there since 1994.

http://www.parks.ca.gov/default.asp?page_id=1081 or http://www.parks.ca.gov/default.asp?page_id=484

As of 12-30-03, the State Park day use fee of \$4/vehicle was not being collected.

Jim Barton

**2004 Roseville Rock Rollers Field Trip /
Day Trip (view specimens) Schedule**

January 24 - Placer Co. Museum, Auburn (gold)

<http://www.placer.ca.gov/museum/>

**& Gold Discovery Day, Marshall Gold Discovery
State Park, Coloma**

http://www.parks.ca.gov/default.asp?page_id=1081

http://www.parks.ca.gov/default.asp?page_id=484

February 14 - Empire Mine State Park, Grass Valley
(hardrock gold)

http://www.parks.ca.gov/default.asp?page_id=499

Malakoff Diggings State Park, North Bloomfield
(hydraulic gold mine)

http://www.parks.ca.gov/default.asp?page_id=494

**March 5 - W.M. Keck Museum, University of Nevada-
Reno** (silver) <http://www.mines.unr.edu/museum/>

April 30-May 2 - Frenchman, Fallon NV for agate,
jasper, & fossil wood with Sutter Buttes Gem & Mineral
Society

May 7-9 - Snyder's Pow-wow, Valley Springs for moss
agate fieldtrip, commercial rough and gems

**May 28-30 - California Federation of Mineralogical
Societies show, California State Mining Museum,
Mariposa** for commercial rough and gems

June 11-13 - Yerington NV for azurite-malachite,
ludwigite, and fossil wood with Sutter Buttes Gem &
Mineral Society

July 9-11 - Truckee, Sierra Nevada campout for quartz
and feldspar crystals

August 6-8 - Lakeview OR show for sunstones fieldtrip,
commercial rough and gems (RRR COOP trip)

September 17-19 - Cedarville/Davis Creek for obsidian
and fossil wood

October 8-10 - Gem-O-Rama at Searles Lake for
hanksite, halite and other soluble saline minerals (RRR
COOP trip)

<http://www1.iwvisp.com/tronagemclub/FLYER.htm>

November 13 - Folsom Lake for common opal
and serpentine with Sutter Buttes Gem & Mineral Society

**December 11 - California Academy of Sciences, San
Francisco** (mineral museum, earth and natural sciences)

JANUARY BIRTHDAYS

- 1/4 Linda Woltman
- 1/24 Terry Rutherford
- 1/27 Rusch Delong
- 1/27 Angeline Hicks
- 1/27 Florence Brady
- 1/28 Lorraine McCrummen
- 1/28 Berta Zents



* * * * *

Hints & Tips:

Caring for Apache Tears

Here are a couple of tips:

1. Liquid Gold can be sprayed directly on to the rock. Let it remain for about 2 minutes. Wipe clean. Repeat and complete with a buff. This will improve the black color (tears are obsidian) and moderate the gray color/material. It will not remove all the crusted gray.
2. Tumbling of Apache Tears can be difficult. The key is to make sure the rocks do not tumble very aggressively. You can do this a couple of ways. First, add a little more rocks in your tumbler than you normally do. Second, use a lot of fill material such as plastic pellets. Also use similar size tears. Do not mix any other rock material with the Apache Tears.

by W.C. McDaniel in MAGS Rockhound News 8/03

Polishing Onyx

To get a high polish on onyx and other stones that are difficult to polish, go through the complete process of making the cab from grinding to polish in your normal manner. Then to the high polish: mix in a baby food jar or any wide mouthed glass, 3 tablespoons water with 9 ½ teaspoons oxalic acid, and dip your cab in this mixture. Go back to your polishing wheel for another run. You will be pleased with the results.

Author not stated, from Stoney Statements 9/03, via Chips & Chatter 10/03

Hints On Setting Up Your Display Case

1. If you are going to **wash your specimens**, do it two or three days in advance because the heat from the lights can cause moisture to steam up the inside of the glass.
2. Be sure whatever you are displaying is **clean, polished, dusted** or whatever applies to the item. A silicone cloth or paper used just as stones are placed in a case gives last minute brilliance.
3. A soft thin glove worn when placing specimens in your case will **prevent finger marks** on polished surfaces.
4. **Don't crowd your case.** If you are new at this use the show as an opportunity to evaluate other cases and take note of how many items are in the rest of the cases.
5. **Arrange your items** so the eye easily goes from one piece to another, or from one group to another. If arranging groups of items, one large specimen can be balanced by a group of smaller ones. The eye is trained to read a straight line or follow a curved, graceful line. The case should look uncluttered and uncomplicated. Large items should go toward the back, the more spectacular specimens toward the center and small items in the foreground.
6. **Labels are important** because they provide information for the viewer and make the case more educational for children. Labels might be used to tell what the item is, what it is made of, where it is from, etc. Labels should be uniform in size and typed or printed. They should be placed parallel to the front of the case, but if you don't want your name there that's OK too. Names cannot go in competitive cases.
7. If your case does not have a liner and you are **covering the inside with cloth**, don't use bright or printed colors as it takes the attention away from the specimens. However, rules can be broken and you may sometimes see an outstanding exhibit of Jade carvings against bright red satin. An off-white is usually used by some other pastel shade may be more to your liking.
8. If your items need **stands**, you can purchase stands or make them. If the bottom of your case is covered with cloth you can slip an appropriated size object such as a block of wood or a can under the cloth to make a **riser**. You can make stands out of 4-prong drapery hooks. You can take both ends out of tuna cans and spray paint them off-white. You can heat plastic cups until they start to soften and mold them into stands. Stands can be made out of coat hangers.



This case illustrates the use of risers, labels, stands for specimens, a pleasing arrangement of items, and off-white cloth covering for the case

9. Here is a **list of supplies** you might find handy when you set up your case: polishing cloth, glass cleaner, paper towels, push pins or tacks, scotch tape, lint-free gloves for handling display items, scissors, and an extra light bulb. The club cases have overhead lights, but if you are putting in extra lighting you may need a multi-outlet plug and extra extension cord.
10. Anyone putting in a **competitive case** should consult rules for competition and suggestions specifically for competition. Suggestions given here are for non-competitive cases, in which instance you can really do anything you want. The cases that get the most attention and give the most pleasure are usually the most original ones, so if you are displaying for the first time, feel free to act on your own instincts.

Wiley Well District Field Trip
February 2 - 6, 2004
Hosted by Contra Costa M&G Soc.
by Dick Pankey, Field Trip Chair

The Wiley Well District is southwest of Blythe and is one of the most popular collecting areas in the Colorado Desert. Although this has been a productive area for many years, it still offers an amazing variety of material. We will collect at 5 main sites; 1 site each day. This is my sixth field trip to this interesting and productive area. Besides the more noted collecting areas, we will also be exploring other areas.

Directions to campgrounds: Exit Interstate 10 at Wiley Well Rd. which is approximately 10 miles west of Blythe and 31 miles east of Desert Center. Follow Wiley Well Rd. south for 12.5 miles to campsite on west side of road at the Riverside/Imperial Co. line. Watch for ORANGE PAPER PLATES to camp. Roads to campgrounds and collecting sites are typical desert roads. OK for motorhomes and trailers to campgrounds. OK for cars to most collecting areas. This is a dry camping area: no services, no hook-ups. This is the Mule Mtn. LTVA.

Collecting Trips: All trips will leave at 8:00 AM, SHARP, from the campgrounds. Assemble at 7:45 for details and instructions for each day's trip. Sunday, Feb. 1 Arrive at camp. Monday, Feb. 2 AM-- Hauser Beds for geodes, sizes of lemons to cantaloupes. Digging tools -- shovels, picks, gads, etc. PM-- Explore the Corn Field for corn colored, crystal lined amygdules. Tuesday, Feb. 3 AM-- Hidden Saddle beds and a "New" geode bed for geodes PM-- "New" agate area Wednesday, Feb. 4 AM-- Potato Patch for egg-size geodes. Digging tools -- shovels, picks, gads, etc. PM-- Explore the Big Windy for botryoidal psilomelane, geodes, agate and nodules. Thursday, Feb. 5 AM -- Straw Bed for geodes, sizes of lemons to cantaloupes . Digging tools -- shovels, picks, gads, etc. PM -- South of Camp on Milpitas Wash Rd. for psilomelane. Friday, Feb. 6 To be determined

Day	AM/PM	Field Trips
Sunday, Feb 1		Arrive at camp.
Monday, Feb 2	AM	Hauser Beds for geodes, sizes of lemons to cantaloupes. Digging tools -- shovels, picks, gads, etc.
	PM	Explore the Corn Field for corn colored, crystal lined amygdules.
Tuesday, Feb 3	AM	Hidden Saddle beds and a "New" geode bed for geodes
	PM	"New" agate area
Wednesday, Feb 4	AM	Potato Patch for egg-size geodes. Digging tools -- shovels, picks, gads, etc.
	PM	Explore the Big Windy for botryoidal psilomelane, geodes, agate and nodules.
Thursday, Feb 5	AM	Straw Bed for geodes, sizes of lemons to cantaloupes. Digging tools -- shovels, picks, gads, etc.
	PM	South of Camp on Milpitas Wash Rd. for psilomelane.
Friday, Feb 6	AM	To be determined.
	PM	To be determined.

Plan on several potluck dinners, the first on Monday evening, and daily happy hours. Bring firewood for evening campfires. We plan on having a good time and collecting some good geodes and good material. Come join us for a great rockhound time of collecting, fun and fellowship.

Please notify me by 1/8/04 if you plan to attend. Call or email me if you have questions or need more information:

Dick Pankey (925) 439-7509 dickpankey@juno.com

The Garnet Group

Garnets as a group are relatively common in highly metamorphosed rocks and in some igneous formations. They form under the high temperatures and/or pressures that those types of rocks must endure. Garnets can be used by geologists as a gauge of how much temperature and pressure the rock has endured. As a gemstone, garnets have had a mixed reputation. Garnets do possess high indices of refraction, are hard enough, have pretty colors, are sometimes transparent, lack cleavage and are durable; thus making good candidates for gemstones. Garnets are greatly variable in colors and varieties, though, and many of these are both rare and beautiful, producing genuinely precious gemstones.

Garnets are isostructural, meaning that they share the same crystal structure. This leads to similar crystal shapes and properties. The general formula for garnets is $A_3B_2(SiO_4)_3$. The A represents divalent metals such as calcium, iron, magnesium and manganese. The B represents a trivalent metal such as aluminum, chromium, iron, and other elements found in rarer members of the group. The main differences in physical properties among the members of the garnet group are slight variations in density and index of refraction. Garnets belong to the isometric crystal class, which produces very symmetrical, cube-based crystals. The most common crystal shape for garnets is the rhombic dodecahedron, a twelve sided crystal with diamond-shaped (rhombic) faces. This basic shape is the trademark of garnets, for no other crystal shape is so closely associated with a single mineral group like the rhombic dodecahedron is with garnets.

Rhombic dodecahedron



Most garnets are red in color, leading to the erroneous belief that all garnets are red. In fact a few varieties, such as grossular, can have a wide range of colors, and uvarovite is always a bright green.

As a mineral specimen, garnets usually have well shaped and complex crystals and their color and luster can make for a very beautiful addition to a collection. At times, garnets are accessory minerals to other valuable and pretty gem minerals such as topaz, beryl and tourmaline, making these specimens extra special.

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ARE YOUR SAFETY GLASSES REALLY SAFE?

by Mel Albright - Chair, AFMS Safety Committee (1997-2002)

We are constantly reminded to wear 'safety' glasses. So, we tell the optical shop or the eye doctor that we want safety glasses. Or, if we don't wear prescription lenses, we buy 'safety' glasses from somewhere. Then, feeling virtuous, we proceed to work away. Did you know that you are NOT very well protected?

WHAT! But they said these are safety glasses.

Well, they are and they aren't. Several years back, the U. S. government passed a law that all glasses sold must be "safety" glasses. The law's meaning was that, if the glasses break, they will shatter into small, non-pointed pieces and form no knife-like shards that might puncture the eye and go deeply into the eye. This is the standard for safety glasses.



In industry, 'safety' glasses mean much more. In addition to breaking properly, they are designed to be break resistant. That is, if something hits them, they will tend to stop it instead of just breaking. Even more, industrial safety glasses may be designed to stop liquid splashes from hitting the eye - not just straight on, but also from the side.

So, we rockhounds should ask for and get industrial grade 'safety' lenses and frames. It is that resistance to breakage that offers us the most protection. I'll admit safety glasses are not particularly attractive, but that's not their purpose. Personally, I like a face shield in the shop instead of glasses. It is more protective, cooler, and restricts your vision far less than glasses. Actually, a face shield would be better on field trips, too. But it sure isn't as handy.



Whichever, be sure to wear one of them when appropriate.

AFMS Newsletter - Vol 95, No. 6 August 1995

Upcoming Northern California Shows

JANUARY

January 10-11 2004, Exeter, CA
 Tule Mineral Society
 "Gemboree 2004" Veterans Memorial Bldg.
 Highway 65
 Hours: 10 - 5 both days

FEBRUARY

February 21-22 2004, Stockton, CA
 Stockton Lapidary & Mineral Club
 San Joaquin County Fairgrounds Bldg. 4
 1658 South Airport Way
 Hours: Sat. 10 - 5; Sun. 10 - 4
 Jim Dunlap (209) 488-0747 /
 jimsopals@comcast.net

MARCH

March 5-7 2004, Hayward, CA
 Mineral & Gem Society of Castro Valley
 Centennial Hall; 22292 Foothill Blvd.
 Hours: Fri. - Sat. 10 - 6; Sun. 10 - 5
 Ron Miller (510) 538-2397

March 13-14 2004, Spreckles, CA
 Salinas Valley Rock & Gem Club
 Veterans Memorial Bldg. 5th & Llano Streets
 Hours: Sat 10-6 Sun 10-5
 William McFalda (831) 442-9964 /
 WildBell@prodegy.net

March 13-14 2004, Turlock, CA
 Mother Lode Mineral Society
 Stanislaus County Fairgrounds, 900 N. Broadway
 Hours: 10 - 5 both days
 Bud McMillin (209) 527-8000

March 13-14 2004, Vallejo, CA
 Vallejo Gem & Mineral Society
 I 80 & Hwy. 37 across from 6 Flags Marine World
 Hours: 10 - 5 both days
 Phyllis Malicki (707) 745-3255

March 20-21 2004, Angels Camp, CA
 Calaveras Gem & Mineral Society
 Calaveras County Fairgrounds
 Hours: Sat. 10 - 5; Sun. 10-4
 Earl Klein (510) 632-9373 or Marlynn Blake (209)
 795-7202 / bomar@goldrush.com

March 27-28 2004, Roseville, CA
 Roseville Rock Rollers Gem &
 Mineral Society
 Placer County Fairgrounds
 800 All America City Blvd.
 Hours: Sat. 10 - 5; Sun. 10-5



Upcoming CO-OP and CFMS Field Trips

Reminders: if you plan to go on a field trip, call the leader beforehand for further information. Remember to wear your name badge. Field trip leaders are reminded to mark their vehicle with a club banner or CO-OP sign. CO-OP website also has information: www.coop.freeservers.com

- | | |
|----------------|--|
| Feb. 2-6 | Wiley Well, CA (southwest of Blythe) for geodes, agate, amygdules, other materials. <i>Contra Costa Club</i> (NBFT) Contact: Dick Pankey, (925) 439-7509
dickpankey@juno.com |
| Feb. 21 | Pacific Grove Museum for viewing a private fossil collection. <i>Fossils for Fun Club</i> Contact: Debbie Bunn, (916) 929-6665
fossilsff@aol.com |
| March or April | Oxbow (near Foresthill, CA) for slate, pyrites, serpentine. <i>Carmichael Club</i> Contact: John Shoemaker (916) 966-3861
shoe54@accessbee.com |
| May 15, 16 | Lovelock, NV for petrified wood, agate, opals, opalite, jasper, bubble rhyolite, ammonites. <i>Amador Co. Club</i> Contact: Daryl Shelly, (209) 296-0635
darylshelly@volcano.net or Gary Davis, (209) 296-4787
garydavis@volcano.net |
| May 28-30 | <i>CFMS Show "Goldbug Gala" in Mariposa area.</i> |
| June 12-20 | Oregon, Washington and Idaho for petrified wood, leaf fossils, visit the gingko petrified forest and visit several museums. <i>Fossils for Fun Club</i> Contact: Debbie Bunn, (916) 929-6665
fossilsff@aol.com |
| Midsummer | Crystal Peak, Verdi, NV for quartz crystals. <i>Carmichael Club</i> Contact: Carole Lockhart (916) 638-2314
cjlockhart@softcom.net |
| July 3, 4, 5 | Austin, NV for fluorite, jasper, verisite, agate. <i>El Dorado Co. Club</i> Contact: Barbara Terrill (530) 676-2375
rockit@directcon.net <i>Fossils for Fun Club</i> will lead a side trip to Buffalo Canyon for leaf fossils Contact: Debbie Bunn, (916) 929-6665
fossilsff@aol.com |

More information and more trips will be published later