



From the President's Pen:

Please bring this bulletin to the Educational Meeting on Tuesday, October 8th. We will discuss the published changes to the annual dues, and vote to ratify the changes to the Bylaws. The Board asks that the membership pay the annual cost for the club bulletin, and liability insurance provided by membership in the California Federation of Mineralogical Societies (CFMS). Families will pay for one bulletin and two insurances (if there are two adults). Juniors and life members are free, with their costs paid from our operating funds. CFMS charges us a fee for everyone in the club, minus honorary members.

The Board has asked that I explain how we fund our operating expenses for this non-profit organization, the Roseville Rock Rollers Gem and Mineral Society, Inc. Our show profits this year cover the cost of Maidu Center meetings rental, storage and moving of our show trailer, and one \$500 scholarship to a deserving student at Sierra College this year. Our rock auctions pay for juniors and life membership expenses, our main course and/or drinks at the potluck dinners and educational meetings, travel and lodging for our director to the annual California Federation meeting, travel for the field trip leader, travel for those setting up the club display case at other shows out of the area, new books and periodicals for membership use in our library, postage for correspondence (excluding the bulletin), checking account fees, Internet website fees, miscellaneous office and promotional supplies, and any additional expenses related to maintenance of club materials. In other words, we are covering all expenses with our income. We donate our time free to the club.

I thank all of you for making this club what it is, a chance to enjoy our hobby with friends.

Part Three, Mineral Classifications resumes our mineralogy class (see page 5).

Jim Barton

VICE PRESIDENT'S COMMENTS:

The guest speaker for our Educational Meeting this September, Mr. Wally Hobson, gave a very interesting talk on Sunstones from Southern Oregon. He brought an extremely nice collection of the different colored stones: specimens in their natural state and also finished faceted items of the same type of stone, which were outstanding. Mr. Hobson passed a cigar box of Sunstones in their natural form to the members to look at. Members could also take one free specimen from the box as it was passed around, which was very generous of Mr. Hobson, for many of our members haven't had the opportunity to go to the Oregon Sunstone collecting area.

Mr. Hobson also went into great detail about the tools and equipment he takes to the Sunstone collecting area and to other areas, which was educational to even old time collectors, I'm sure. I know it was to me. Again thanks go out to Carla Shannon for setting up the lecture by her uncle Mr. Wally Hobson. The remainder of the evening was filled out with a good Silent Rock Auction, refreshment break and a short business meeting.

Oops, almost forgot the items brought in for our members and guests to look at on the "Show and Tell" table. Wonderful items were displayed from members' most recent outings. Thank you to everyone.

Robert Oleachea

EDUCATIONAL PROGRAM FOR OCTOBER 8, 2002

The October Educational Program will be the last of this years scheduled "Rock Auctions." Many nice specimens have been already donated and will be brought in from storage for that evening's function. However, other good material is requested. Those of you who have one too many items, or can no longer store good material either in the raw form or a finished product, please bring it in. I mean just a few choice items -- not your whole collection; save that for our coming year 2003 show. Bring in items you would bid on and would like to share with others. A Show and Tell table will also be set up for those of you who care to bring in and show your latest finds.

Refreshments will be served. A short business meeting with the 1st part of the election process for year 2003 board member placement will be held. So come out for an interesting and fun evening.

Robert E. Oleachea

**MINUTES FOR ROSEVILLE ROCK ROLLERS
EDUCATIONAL MEETING SEPTEMBER 10, 2002**

1. **Call to Order** – at 7:05 p.m. by President Jim Barton.
2. **Flag Salute**
3. **Present:** 33 Members, 5 Juniors, 5 Guests
4. **Moment of Silence** - in remembrance of 9-11-2001 victims and survivors, and appreciation for the rescuers and military.
5. **Program** – Karla Shannon introduced our guest speakers, her Aunt and Uncle, Jean and Wally Hobson. They presented a program on collecting and faceting sunstones from Oregon. Wally provided copies of the Oregon & Washington Rock Collecting Guide, which he developed with the U.S. Bureau of Land Management.
6. **Break** – refreshments, Silent Auction, and a Show & Tell sharing of field trip finds.
7. **Treasurer's Report** – Rob Blazina reported all bills have been paid.
8. **Federation Director** – Jack Messersmith was absent.
9. **Field Trips** – Charlie Brown reported on the recent trips to Oregon and Nevada. The trip to Bolinas was canceled. Iris Geiser announced a “field trip” to her house, Sept. 28th, 8:30 a.m. to collect rocks in her yard.
10. **Correspondence** – Florence Brady reported a card was received for the Joshua Tree Club's show in Oct.
11. **Announcements** – FFF has a function at the Kennedy Mine on Sept. 21, 22.
12. **Library** – Nettie Moore reported the video on *Gemstones of America* is missing.
13. **New Member** – Ronald Killen was given his name badge and a rockhound sticker.
14. **Guests** – the five guests were introduced.
15. **CO-OP Certificate** – Elton Dean and his sister Audrey received a certificate of thanks for their help in the CO-OP exhibit tent during Snyders' Pow Wow.
16. **Sunshine** – Jim Barton was sent a card.
17. **Old Business** – none
18. **Announcements** –
 - a. **AFMS Silver Award** for the *All American Small Clubs* was awarded to the Club – Inez Berg announced the club will have to find another person to do this if we wish to participate next year.
 - b. **GPS** was donated to the Club by Kevin Chesebro for use by the Field Trip Leader.
19. **Refreshments** – Thanks were given to the persons who brought in refreshments.
20. **New Business** –
 - a. **Nominating Committee** – volunteers were Bob Oleachea, Kym Andrews and Rob Blazina.
 - b. **Proposed Changes to By-Laws and Standing Rules** – the Board suggested changes which will be published in the October Bulletin and voted on by the general membership at the October Educational Meeting.
 - c. **October's Program** – oral rock auction.
21. **Drawings** – winners: Member Frank Yoschak, Guest Wally Hobson, and Junior Michael Zancai.
22. **Club Information Cards** – were available for distribution.
23. **Meeting Adjourned** at 8:50 p.m.

Respectfully submitted,
Florence Brady, Secretary

**MINUTES FOR ROSEVILLE ROCK ROLLERS
SPECIAL BOARD MEETING SEPT. 5, 2002**

1. **Call to Order** - 7:05 p.m. by President Jim Barton. Location Bob Oleachea's home.
2. **Present:** all officers except Jack Messersmith. Guest: Frank Yoschak.
3. **Juniors' Meetings** – Jim Barton is waiting for clarification from Fred Ott on an insurance question raised by the Board.
4. **Membership Dues** – the Board discussed several amounts for the Club's membership dues and the types of memberships currently available. The present annual dues of \$10. for an adult do not cover the annual CFMS dues and the costs of printing/ mailing the Club's bulletin. **Motion:** recommend to the members dues of: \$17.50 for an adult and \$23.50 for a family was made by Hugh Brady, seconded by Charlie Brown. Motion passed (9 in favor).
5. **Honorary Membership** – discussed was the policy of paying both CFMS dues and issuing at no cost, club bulletins to Lifetime Members. The club would not have to pay CFMS dues for a member designated as an Honorary Member. Discussed changing inactive, Lifetime Members to Honorary Member status. (This would be voted on each year, for the following year. Presently 7 out of 18 Lifetime Members would be changed to Honorary Members.) **Motion:** all Lifetime, inactive members now will become Honorary Members was made by Rob Blazina, seconded by Charlie Brown. Motion passed (11 in favor).
6. **Subscription** – discussed having the Editor sell subscriptions at \$12/yr. (our cost), prorated at \$1./mo. to persons who cannot participate in the Club's activities, i.e., live out of the area. **Motion:** authorize the Editor to sell subscriptions at \$12/yr., prorated at \$1/mo was made by Hugh Brady, seconded by Terry Yoschak. Motion passed unanimously.
7. **Membership Application** – discussed were the requirements of having applicant attend two Society functions and being sponsored by 2 club members. **Motion:** change By-laws Article III, Section 3 to endorsed by one adult member was made by Bob Oleachea, seconded by Kym Andrews. Motion passed (10 in favor) **Motion:** change By-laws Article III, Section 4 to attend one Society function was made by Bob Oleachea, seconded by Charlie Brown. Motion passed. (10 in favor)
8. **Field Trip Report** – Charlie Brown reported on the Bolinas field trip. It has been cancelled due to restrictions on collecting rocks. A local field trip to the Big Gun in Rocklin may be arranged by Frank Yoschak.
9. **Adjournment** – meeting was adjourned at 8:15 p.m.

Respectfully submitted,
Florence Brady, Secretary

**MINUTES FOR ROSEVILLE ROCK ROLLERS
BOARD MEETING SEPTEMBER 24, 2002**

1. **Call to Order** by President Jim Barton, at 7:02 p.m.
2. **Present:** All officers except Charlie Brown, Jack Messersmith, Terry Yoschak and Myron Zents.
3. **Minutes** – Board Meeting on August 27, 2002 as published in bulletin, Special Board Meeting on Sept. 5, 2002 as presented and Educational Meeting on Sept. 10, 2002 as presented. A motion to approve these minutes was made by Bob Oleachea, seconded by Betty Soper-Arnold. Motion passed.
4. **Membership Application** was received from Nancy Hood. A motion to approve the application for membership was made by Bob Oleachea, seconded by Elton Dean. Motion passed.
5. **Programs** – Bob Oleachea reported the October Program will be an oral auction. Show and Tell and Club Business will be part of the meeting.
6. **Treasurer** – Rob Blazina reported all bills have been paid. Interest rates for CD's were discussed.
7. **Federation Director** – Jack Messersmith was absent. Next CFMS meeting is the annual meeting in Visalia on the weekend of November 2, 2002.
8. **Field Trips** – Charlie Brown was absent. Next Club field trip is Oct. 5, to Iowa Hill for tremolite. The recent CO-OP trip to Ludwig was discussed by members who attended. Last writeup for a 2002 CO-OP trip was sent out this week.
9. **Librarian** – Nettie Moore will not be at the next Educational Meeting. She requested assistance in accepting any returned materials.
10. **Show** – Elton Dean and Betty Soper-Arnold updated the Board on dealers, exhibitors and grand prizes.
11. **Directors** – those present had no report.
12. **Sunshine** – no report, chairperson not present.
13. **Old Business**
 - a. Proposed Changes to RRR By-Laws and Standing Rules were accepted as typed on the one page report. They will be published in the October Bulletin and submitted to the membership for a vote at the October Educational Meeting.
 - b. Rockhound stickers – Florence Brady received permission to sell them at other functions.
 - c. Sierra College – publicity, Eric Simpson, a teacher at the college can help with publicizing the Club and our scholarships.
 - d. Information Cards – more need to be printed and a holder needs to be made for placement in Sierra College.
 - e. Nominating Committee – procedures were reviewed.
14. **New Business** –
 - a. Show Chairperson – need a volunteer to learn how to do the show and serve as chairperson for the 2004 show.
 - b. Show Audit – Jim Barton reported it is almost finished.
15. **Adjournment** – meeting adjourned at 8:10 p.m.

Respectfully Submitted,
Florence Brady, Secretary

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DUES

At the October 8th Educational Meeting, members can renew their dues by filling out a renewal form and submitting their dues payment to the Secretary or Treasurer during the meeting.

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Welcome New Member

--- Nancy Hood ---

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!

OCTOBER BOARD MEETING:

Oct. 22, 2002, 7 p.m. Tiny Tots Room, Maidu Center



SUNSHINE:

Jim Barton fell while docking his boat, and suffered a broken rib and various bruises. He is recovering well.

When you have items for Sunshine please call Darlene Cline at 916-723-4938.

Report on Field Trip to Ludwig, NV Area

Nine members from the Roseville Rock Rollers went on the CO-OP members field trip to the Yerington, NV area on September 21st and 22nd. Mr. Stephen Roberts was the field trip leader. He led a very good field trip and I'm sure everyone got at least a few nice items. He led us to 3 main collecting areas - Mason Pass, Ludwig Mine and the Minnesota Mine. Some of the minerals that could be collected at each site were: Ludwig: chalcedony, chrysocolla, gypsum, malachite, pyrite and turquoise; Mason Pass: azurite, green epidote in white granite, malachite, and selenite; Minnesota Mine: chalcopryrite, hematite, limonite, pyrite and verde antique. These were just a few that our RRR members, Rob Blazina, Karla Shannon, and Michael Zancai, Rolf and Kymberly Andrews, Hugh and Florence Brady, and Margareta and myself found. Thanks go out to the El Dorado Co. club for inviting us on a very interesting field trip. Karla and Rob found a small glory hole of nice collecting material at the Ludwig Mine area and shared their find with all of us, which really rounded out that day's collecting.

Robert Oleachea

OCTOBER BIRTHDAYS

- 10/5 Jessica Cline
- 10/7 Sue Sacra
- 10/9 Dorothy Cannon
- 10/10 Doris Usrey
- 10/12 Hugh Brady
- 10/12 Stephan Brophy
- 10/18 Joyce Emerson
- 10/20 Charles Clark
- 10/29 Iris Geiser



OCTOBER MEETING REFRESHMENTS



Refreshments for the October 8th meeting are to be provided by Jim Barton, Rob Blazina and Iris Geiser.

COOP and NFBT FIELD TRIPS

- Oct.11,12,13 Searles Lake/Trona, CA for lake minerals/crystals. Club Sponsor: El Dorado Co. Club. Contact: Fred Ott, (530) 677-8440, fred.ott.b8t5@statefarm.com
- Oct. 19 Goat Mt. near Stonyford Dam, west of Maxwell for moss agate. Club Sponsor: El Dorado Co. Club. Contact: Merryan O'Neil (530) 622-4229 moneill@directcon.net
- Oct. 20 Black Butte Reservoir, CA (Near Orland) for colorful jasper, petrified wood, some agate. Club Sponsor: El Dorado Co. Club. Contact: Merryan O'Neil, (530) 622-4229, e-mail: moneill@directcon.net
- Oct. 26, 27 Clear Creek, CA for jade, plasma agate, chromite, possible melanite garnet and uvarovite. Club Sponsor: Contra Costa M&G Society (A NBFT club). Please contact: Sam & Hazel Woolsey, (925) 837-3287, kr6at@arrl.net so they can plan for the potluck dinner/breakfast.
- Nov. 28-30, Dec. 1 Lavic Siding, East of Barstow, CA for jasper, onyx, sagenite, fluorite. Club Sponsor: Mother Lode Mineral Society. Contact: Marion Roberts (209) 538-0197 mvroberts@bigvalley.net or Al Troglin (209) 838-7725 shnalrockhound@yahoo.com (Please call ahead of trip as turkey dinner is planned for Thanksgiving Day)

OCTOBER'S BIRTHSTONE: OPAL

Opals are not found among the treasures of ancient civilizations because they tend to dry out over time and become brittle. Opals contain 6 to 10% water and have a hardness of 6 on the Mohs scale.

There are 4 types of precious opals: black, white, fire and water. Much of the black opals (Australian opal) come from the Lightning Ridge in Australia. A considerable amount of the white (Hungarian opals) comes from Australia and Japan. Transparent "fire" or "water" opals are usually brownish or orange colored and come from Mexico and the Honduras.

Opals are usually formed in shallow sedimentary deposits. They have no crystal form and are said to be amorphous (shapeless). Opals are a hydrous form of silica; a non-crystalline form of quartz composed of ultra-microscopic spheres. In ancient times opal was mined in Czechoslovakia.

To protect the fragile opal it is sometimes backed with other materials in jewelry. A stone such as this is called a doublet. When an opal is sandwiched between two materials it is referred to as a triplet.

One of the largest precious opals ever found was the 203 carat Andamooka opal. This stone was given by the south Australian government to Queen Elizabeth II in 1954.

Kymerly Andrews

October Recipe

<p>PUMPKIN ELIZABETH</p> <p>1 Libby's Solid Pack Pumpkin (29 oz can)</p> <p>1½ cups granulated sugar</p> <p>1 tsp salt</p> <p>2 tsp ground cinnamon</p> <p>1 tsp ground ginger</p> <p>½ tsp ground cloves</p> <p>4 eggs</p> <p>1 can evaporated milk</p> <p>1 box yellow cake mix</p> <p>1 cup chopped pecans</p> <p>1 cup melted butter</p>	<p>Mix: sugar, salt, cinnamon, ginger and cloves in medium bowl. Beat eggs lightly in large bowl. Stir in pumpkin and sugar-spice mixture. Gradually stir in evaporated milk. Put in 9 x 13 pan. Crumble 1 box yellow cake mix on top. Chop pecans and sprinkle liberally over the top. Drizzle melted butter over the top. Bake at 350 for 1 hour or until knife comes out clean in center of cake.</p>
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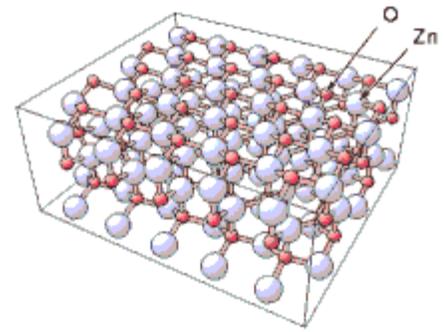
by Carlon Stroebel in Rockhound Rambling 12/98

Part Three, Mineral Classifications:

Last month we learned why crystals grow in geometric patterns, and listed some definitions of terms used in mineralogy.

Common chemical compounds or elements classify minerals. They are:

- 1) **Native Elements**, which include metals, semi-metals, and non-metals of mainly one atom type, like gold (Au), sulfur (S), and graphite (C);
- 2) **Sulfides (S)**, which are mainly metals and semi-metals with a sulfur ion, like pyrite (FeS), chalcopyrite (CuFeS₂), and galena (PbS));
- 3) **Oxides and Hydroxides**, which contain the oxygen atom (O) or the hydroxyl (OH) ion, like cuprite (Cu₂O), and goethite (α FeO OH);
- 4) **Halides**, which include a metal and the halogen elements fluorine (F), chlorine (Cl), bromine (Br), and iodine (I), like fluorite (CaF₂), and halite (NaCl);
- 5) **Nitrates (NO₃), Carbonates (CO₃), and Borates (BO₃)**, like calcite (CaCO₃), dolomite (CaMg(CO₃)₂), azurite (Cu₃(CO₃)₂(OH)), malachite (Cu₂(CO₃)(OH)₂), borax (Na₂B₄O₇·10H₂O), and ulexite (NaCaB₅O₉·8H₂O);
- 6) **Sulfates (SO₄), Chromates (CrO₄), Molybdates (MoO₄), and Tungstates (WO₄)**, like gypsum (CaSO₄·2H₂O), crocoite (PbCrO₄), wulfenite (PbMoO₄), and scheelite (CaWO₄);
- 7) **Phosphates (PO₄), Arsenates (AsO₄), and Vanadates (VO₄)**, which include monazite ((Ce, La, Nd, Th)PO₄), adamite (Zn₂(AsO₄)), and conicalcrite (CaCu(AsO₄)(OH));
- 8) **Silicates (SiO₂)**, like quartz (SiO₂), opal (SiO₂·nH₂O), phenakite (Be₂SiO₄), grossular garnet (Ca₃Al₂(SiO₄)₃), and clinocllore ((Mg,Fe⁺²)₅Al(Si,Al)₄O₁₀(OH)₈); and
- 9) **Organic Substances**, like whewellite (CaC₂O₄·H₂O), which crystallizes from coal, and amber (amorphous fossilized resin).



Crystal structure of an oxide, ZnO
(Zinc Oxide)

Thanks again to my professors at the University of Nebraska at Omaha, my college mineralogy text (*Manual of Mineralogy, Klein and Hurlbut, 20th Edition*); *Simon & Schuster's Guide to Rocks and Minerals*; *Dictionary of Geological Terms, 3rd Edition, Bates and Jackson, AGI; Mineralogy, Sinkankas*; and my college chemistry text (*Chemistry, the Central Science, 4th Edition, Brown & LeMay*) for providing the basis for this article.



THE CALIFORNIA POPPY -- An Indicator of Copper

Plants have been used by prospectors searching for minerals since the Middle Ages. Some plants favor soil that contain or have an abundance of a particular element. Many prospectors use the desert trumpet as a gold indicator even though it has not been proven to be a true gold indicator. Plants of the mustard family excel in absorbing uranium and may be of use to the geobotanical prospector who is searching for uranium minerals.



The California poppy is a known indicator of copper as it requires copper to exist. Some copper compounds are soluble in water and can be carried for miles by ground water, so the presence of poppies does not necessarily indicate that there are copper minerals in the immediate area. Roadside occurrences of poppies should be ignored because of the roadside drainage and the presence of various contaminants from passing cars and trucks.

The presence of poppies in the open desert is much more meaningful. Near the San Manuel Mine, north of Tucson, poppies grow in profusion on the ground known to be mineralized ground. On non-mineralized ground, the poppies terminate abruptly, and the fault line can be traced by means of the poppies. Often, dumps at copper mines are completely covered by poppies.

Since gold, silver and other metals are frequently associated with copper, the presence of the California poppy can be a clue to the possible presence of valuable metal deposits. For the Rockhound, many of the primary and secondary copper minerals are of interest: they include chalcopyrite, turquoise, malachite and many more.

Reference: *California Mining Journal*, Edgar B. Heylum Ph.D., Richard Pearl. via *Strata Gem* 8/97

CO-OP MEMBER TRIP TO GOAT MT. & BLACK BUTTE RESERVOIR

TRIP LOCATION – Goat Mountain (east of Maxwell CA) & Black Butte Reservoir (east of Orland CA)

WHEN – October 19 & 20, 2002 (can go both days or one)

SPONSOR CLUB -- El Dorado Mineral & Gem Society

ORGANIZATION -- COOP

MEMBER'S GUESTS -- Allowed

COLLECTION MATERIAL -- Goat Mountain lower campground area: white moss agate with black inclusions; some mustard yellow speckling; upper area has quartz/yellow jasper brecciated rock, looks like it will be good for polishing. Black Butte has jasper, agate, some petrified wood. Stony Creek has red, yellow and some green jasper; can find large pieces.

LEADER & CONTACT INFO -- Merryan O'Neill (530) 622 4229; email moneill@directcon.net

PROPOSED SCHEDULE/MEETING PLACES -- **Saturday:** Meet 7:30 AM at Bella Bru (next to Raleys), El Dorado Hills. Will proceed to Granzellas in Williams (about 10 AM meet people coming from other areas & brief rest stop). Proceed to Maxwell and Lett's Lake, take lunch/rest break (about 2 hrs from Williams), then to Goat Mountain (about ½ hour from Lett's) for collecting. On way back, will possibly stop near Stonyford to briefly collect in Stony Creek. For those who wish to stay overnight, we will go to Orland via Elk Creek/Willows.

Sunday: Meet 9:00 AM, Berry Patch Restaurant, Berry Patch Restaurant, (530) 865-8484, 900 Neville Rd, Orland -- just off Orland/Chico Exit off I 5; east side of freeway. Will go to Buckhorn Rec. Area/Black Butte Reservoir for collecting in the morning. In early afternoon, will go to nearby creek area.

DIRECTIONS TO SITE/CAMP – **Saturday: Williams is about 2 hr from Placerville. From Williams go north about 12 mi to Maxwell Road exit off I-5,** then east to Lodoga, then Stonyford; turn left/west on Fouts Spring Road/17N02 to Letts Lake turnoff; from Letts Lake, take roads 17N02 to 17N14, rt on 16N18 to 16N03/Goat Mountain (total 4 miles). We will return via Stonyford/Elk Creek/Willows and stay in Orland for the evening. **Sunday:** Taking Neville Road west from Orland, Black Butte/Buckhorn Recreation Area turnoff is about 12.5 miles.

VEHICLE REQ'S – Saturday/Goat Mtn: 4x4 is not necessary; however, last 6+ miles is rough dirt road. Can carpool in high-clearance vehicles. Sunday/Black Butte: Any vehicle to recreation area 'ok'

CAMP/FACILITIES -- Sat/Goat Mountain has no facilities; however, Lett's Lake has toilets (can stop there both ways). **ORLAND MOTELS:** Amber Light Inn Motel, 828 Neville Rd, (530) 865-7655; Orland Inn, 1052 South St, (530) 865-7632. **ORLAND CAMPING:** Old Orchard RV Park, 4490 Cty Rd HH/Newville Road (530) 865-5335 (all hookups; make reservations a bit in advance). At Black Butte there are two camping areas, Buckhorn & Orland Buttes; after Oct. 1, reservations are first come, first serve; no hookups at Buckhorn, but there are toilets, showers, drinking water around the campground & near collecting area too.

TOOLS – rock hammer, small sledge & chisels, glasses, gloves, buckets or other ways to carry material. If you plan to hike to upper area of Goat Mountain (¾ - 1 mile UP the road past locked gate), a small dolly would be helpful to bring material back down. Dirt road that we'll be hiking on is relatively smooth. For creek collecting, it would be helpful to bring rubber boots in case you want to cross shallow streams, although it's not necessary because there is plenty of area along the streams.

SAFETY CONCERNS -- Bring plenty of water to drink. Collecting areas are not shaded; use sunscreen and hats. Use bug repellent for mosquitoes, etc. There may be snakes in the creek areas; need to be careful.

CLIMATE/WEATHER – Should be moderate in October. Elevation at Goat Mountain is about 6,000 feet. Could be cool there...OR...could have showers or sun...you know, typical Northern California Fall weather. Can get windy even on a good day! Black Butte Reservoir elevation is only 700 ft, near the valley floor level.

CLOTHING -- Bring layers and outer jacket in case of colder weather. A rain hat and/or poncho would be handy in case of showers. Can update you closer to the time of the trip.

OTHER REMARKS -- There are gas/restrooms/food places in Williams, Willows, and Orland. On the way to/from Goat Mountain, we'll go through Stonyford, which has a small general store, public portable toilet, gas. Nearest emergency medical facility is Glenn County General Hospital in Willows.

IF THERE IS HEAVY RAIN PRIOR TO THE TRIP, WE WILL CANCEL THE SATURDAY GOAT MOUNTAIN PORTION OF THE TRIP AND RESCHEDULE FOR NEXT YEAR. DIRT ROADS WOULD BE DIFFICULT TO USE AFTER A HEAVY RAIN.

FEE (if applicable) -- No entrance fee at Black Butte for day use. Camping fee is \$14 if you want to camp there overnight

MEMBERS, the following items will be brought to the membership for a vote at the October 8th Educational Meeting. Please bring this page with you to the meeting so you can refer to it when the proposals are discussed and then voted on. Your vote counts!

PROPOSED CHANGES TO THE ROSEVILLE ROCK ROLLERS BY-LAWS AND STANDING RULES

The Board discussed changes to the **By-laws** and the **Standing Rules** on August 27, 2002 and acted on September 5, 2002.

In accordance with the By-laws, **Standing Rules** may be modified by a majority vote of the Board of Directors or general membership. **By-laws** changes must be approved by a majority vote of the Board of Directors. The proposals must be printed in the Society's bulletin, after which the proposals shall require ratification by two-thirds of the adult membership in attendance at an educational meeting.

It is the Board's intent for the membership to vote on these changes at the October 8, 2002 Educational Meeting.

Here are the Proposed Changes: (more information is in the minutes for the Bd. Mtg. on Sept. 5, 2002)

PROPOSED CHANGES TO BY-LAWS FOR ROSEVILLE ROCK ROLLERS

ARTICLE III - MEMBERSHIP

Section 1

C. HONORARY MEMBER: shall be bestowed upon a member who has rendered outstanding service to the benefit of the Society. Honorary members shall have the voting privileges of an active member. Membership of an honorary member shall be approved by a majority vote of the Board of Directors and be valid for one (1) year. **All Life Members, inactive, shall now become Honorary members. If a former inactive Lifetime member wishes to become active (resume attending functions as a member), then the Board shall re-instate that member as a Life Member per their request.**

Section 3: Applications shall be endorsed by ~~two (2)~~ adult members of the Society and accompanied by the first year's dues and fees for badges. **one (1)**

Section 4: Prospective members shall attend ~~a minimum of two~~ Society functions before becoming eligible for membership in the Society. **one (1)**

PROPOSED CHANGES TO STANDING RULES FOR ROSEVILLE ROCK ROLLERS

(Please note that rising insurance rates, & bulletin publishing/ mailing costs have prompted these changes.)

ARTICLE IV – DUES AND ASSESSMENTS

SECTION 1: ~~Four~~ **Five** Classes of Memberships. Dues are considered delinquent on December 31 of each year: Renewal Membership not paid until after Dec. 31 will pay an assessment of \$3.00.

A. Adult Membership ~~\$40-~~ **\$17.50** per year

B. Family Membership \$23.50 per year (2 adults)

C. Junior Members no dues

D. Honorary Members no dues for one (1) year. **Former Life Members (inactive), do not pay dues.**

E. Life Members no dues for lifetime (**active**)

New members (Adult and Junior) will purchase Club Badges: (\$6.00) with Membership Application, along with first year's dues. Regular dues for new members, Jan. 1 to Dec. 31, prorated as follows: after July 1, i.e. July 1 to Aug. 31, ~~\$7.50~~ **\$12.00 (adult), \$16.00 (family)** Sept. 1 to Oct. 31, ~~\$5.00~~ **\$9.00 (adult), \$12.00 (family)**. Nov. 1 to Dec. 31, to pay full year's dues for following year. Membership not paid until after Dec. 31 will pay an assessment of \$3.00.

Upcoming Northern California Shows

OCTOBER

October 2-13 2002, Fresno, CA

Fresno Gem & Mineral Society
Big Fresno Fair, 1121 S. Chance Avenue
Hours: Mon.- Fri. 11:30-10:30
Hours: Sat. & Sun. until 10:00 p.m.
Violet Wells (559) 673-3908

October 12-13 2002, Antioch, CA

Antioch Lapidary Club
Contra Costa County Fairgrounds
10th & "L" Streets, Antioch
Hours: 10-5 both days
Show Chair: Dave Zabaldano (925) 516-0651
davez@cctrp.com

October 19-20 2002, Santa Rosa CA

Santa Rosa Mineral and Gem Club
Santa Rosa Veterans Bldg, across from
Fairgrounds
Hours: 10-5
Pete Peterson - robert-peterson@webtv.net

NOVEMBER

November 2-3 2002, Concord, CA

Contra Costa Mineral & Gem Society
Centre Concord; 5298 Clayton Road
Hours: 10-5 both days
Sam Woolsey (925) 837-3287 / kr6at@arrl.net

November 8-10 2002, Eureka, CA

Humboldt Gem & Mineral Society
Redwood Achers Fairgrounds, 3750 Harris
Street
Hours: "Kids Day" Fri. 9-6; Sat. 10-6; Sun. 10-5;
Ron Bushell (707) 443-5269

November 23-24 2002, Livermore, CA

Livermore Valley Lithophiles
The Barn, 3131 Pacific Avenue
Hours: Sat. 10-5; Sun. 10-4
Bill Beiriger (925) 443-5769

November 23-24 2002, Yuba City, CA

Sutter Buttes Gem & Mineral Society
Yuba - Sutter Fairgrounds, 442 Franklin Avenue
Hours: Sat 9-5 Sun 9-4
Co chairs: Ed Eden (530) 674-8605, Gene
Kauffman 674-9579 & Joe Love 673-8007

November 30 - Dec 1 2002, Orangevale, CA

American River & Mineral Society
"Winter Wonderland of Gems"
Orangevale Grange Hall, 5807 Walnut Avenue
Hours: 10 - 5 both days
Hugh Brady (916) 961-6868

Shop Hints – Don't Do It

by Mel Albright - AFMS Safety Chairman

We should use caution when we read "hints" in our own and in exchange bulletins. These ideas come from people with good faith, but often little or no scientific background. Editors copy from each other with little effort to evaluate the ideas. So -- they may be shortcuts to disaster. A few that I have seen include:

"Use permanent automobile anti-freeze in your saw instead of cutting oil."
I do not know what this would do to your saw blade or how well it would lubricate. I do know that ethylene glycol (antifreeze) is a toxic material. It is bad for your health and for that of any pets you may have around. Skin exposure and breathing of the mist created by the saw would both be bad for you. This hint is a real loser. **DO NOT DO IT!**

"Use kerosene as a cutting oil in your saw."

Again, this is a bad idea. Kerosene is A FUEL. It is less volatile than gasoline and more volatile than diesel oil. It doesn't ignite as easily as gasoline, but it will ignite from sparks and heat. You could end up with several gallons of fiery fluid running around the floor. **DO NOT DO IT!**

"Heat a cab and some wax in a microwave oven for fast dopping."

Do you remember Mt. St. Helens? The big explosion that occurred? That came from superheated steam. You can create a smaller version of the same explosion in your microwave if you follow this hint. All rocks have microscopic pores in them, and these pores are frequently filled with water; (in fact, you probably put some in yourself when you washed the rock.). Microwaves work by heating water. The steam formed can create unbelievable force when it is confined as in the rock pores. When the rock fractures, there will be lots of shrapnel flying around. **DO NOT DO IT!**

Generic "mix this with that" hints.

When two chemicals are mixed, there is often a reaction. Some reactions are quite vigorous and release lots of energy. Mixing acid and water is a sample (see "superheated steam" above) - always add acid to water (particularly Sulfuric acid). Other mixing reactions release toxic fumes. An example is porcelain cleaner (hydrochloric acid) and laundry bleach. They release chlorine gas. If you try one of these hints, do it outdoors and with limited quantities. Or -- **DO NOT DO IT!**

Remember - some good sounding ideas are really, really bad. Read them with caution and, if you're not familiar with the material's properties, ask someone who is.

Remarks [by Ted Robles - Editor of The Mountain Gem]:

As an Industrial Hygiene and Environmental Chemist, I feel that some of Mel's statements need amplifying. As for example, "Don't use Anti-freeze (or kerosene) as cutting oil!" Right. But don't use a lot of other popular substitutes, either. For cutting oil, use cutting oil. Period. I suppose you could melt dop wax in your microwave -- but I don't advise it; a microscopic fragment of metal could cause it to burst into flame! As for bleach - it is probably the most toxic material you have in your house. Don't mix it with ANYTHING except the laundry! Particularly don't mix it with ammonia! (Nitrogen trichloride which is formed, is a deadly poison, even worse than Chlorine itself) and most dishwashing liquids, such as "Dawn" contain Quaternary amines, which do the same thing. In other words, **"KNOW what you're doing, or DO NOT DO IT!"**

Via The Mountain Gem 8/00, via Rockhound Rambling 5/01



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VOL 43 NO. 10 OCTOBER 2002

EDUCATIONAL MEETING
JUNIOR MEETING
EXECUTIVE BOARD MEETING

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

LOCATION: MAIDU COMMUNITY CENTER, MEETING ROOM 1, 1551 MAIDU DR.
ROSEVILLE, CA

EXCEPTIONS: JULY POTLUCK, AUGUST ICE CREAM SOCIAL, DECEMBER DINNER

Changes and locations will be published in the bulletin.

GUESTS AND VISITORS ALWAYS WELCOME

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Send exchange bulletins to
above address



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