

NOC GEM & MINERAL SOCIETY NEWS

Vol, 18 No. 4

April 1999

Prez's Message *by Don Ogden*

Our show was well received by the public but our profit was below last years. Approximately 400 adults and 300 children attended the show. The City of La Habra received very favorable comments. See the show survey for detail comments.

We are changing our Next Meeting (April 13) location to the La Bonita Room in the La Habra Community Center.

Let's have a good turnout.

April Meeting

Date: April 13
Time: 7:30 PM.
Place: La Habra Community Center
101 W. La Habra Blvd
Program: Video entitled Russian Treasures

A New Advantage *by Jane Livezey*

The case in the front hall at the La Habra Community Center is ours to use pretty much whenever we like. We might design a case to show some of our field trips and the "finds" we make. How about a case filled with membermade items labeled with our names? We now have a perfect way to advertise our club and show what we do!

Refreshments *by Oscar Veloz*

Pat Maggs and Angie Harwood are on the Refreshment list to bring goodies for our 13 April meeting.

Thanks to Ofelia Warthen and Norberto Elicker for the delicious refreshments we had at our March meeting.

NOC Club Activities

Cab Classes at Walt Messemer's; 7-10 p.m.
every Monday & Wednesday Evening.

ZZYZX — April 11 - 18

Regular & Board Meeting — April 13

Field Trip to Paul Bunion — April 23 - 25

Deadline for NOC News — April 23

Library News *by Jane Livezey*

We now have a brand-new set of Gem Trails. The latest editions were purchased from Paul at our show. They include Utah, New Mexico, Nevada, Arizona, Oregon and Northern and Southern California. They include good pictures of Specimens in color, and they just make good reading even though you may have no intention of rockhounding in that particular state.

Please try to return them in a month, so we can have them available for others. If you borrow one in June you may keep it all summer to travel with, but don't forget where you got it!

Members in the News

HAPPY BIRTHDAY and have a wonderful day all of you who were born in April.

Barbara Steed - April 6
Trini Hermosillo - April 11
Frieda Pool - April 17
Vicki Marks - April 17
Bob Henry - April 19
Oscar Veloz - April 24
Joan Abramson - April 27

Your gemstone is Diamond.
Your flower is Daisy or Sweet Pea.

Shows and Events
via CFMS Newsletter

APRIL 16-18 BAKERSFIELD, CA
Petrified Wood Seminar by Walt Wright

Where:

Kern County Mineral Society
Kern County Fairgrounds
1142 South P Street

Hours:

April 16 5 p.m. - 9 p.m.
April 17 9 a.m. - 5 p.m.
April 18 9 a.m. - noon

Cost: \$40.

RV - Full hook up available - \$10 per night.

Info and Registration

Ed or Martie Isch
11800 Brockridge Ct.
Bakersfield, CA 93312
(805) 589-4954

APRIL 24 THOUSAND OAKS, CA
CFMS Workshop on

Exhibition/Competitor Cases

Oxnard Gem & Mineral Society
Conejo Gem & Mineral Club
Ventura Gem & Mineral Society

Where:

Arts Council Cultural Center
482 Greenmeadow Road

Hours: 9:30 - 3:30

Cost: \$4.50 per person (which includes registration, donuts, and lunch).

Olga Hammer (818) 348-5942
email olgahammer@hotmail.com

APRIL 24-25 LANCASTER, CA
Desert Gem Roundup of Antelope Valley

Cosponsors: Antelope Valley & Palmdale
Gem & Mineral Clubs

Challenger Memorial Hall

Antelope Valley Fairgrounds - Lancaster

Hours: 9-5 both days

Fred Ebel
2326 West Ave. M-8
Palmdale, CA 93551
(805) 947-8759

MAY 1-2 ANAHEIM, CA
Searchers Gem & Mineral Society, Inc.
Brookhurst Community Center
2271 W. Crescent Ave.
Jim Willamson (714) 995-9080
Larry Richey (714) 846-3573

CFMS Show & Convention
County Fairgrounds
Turlock, CA

June 18-20, 1999

Mother Lode Mineral Society

Al Troglin & Dennis Stuart

<http://www.bell21.com/motherload/>

Paul Bunyon Agate Field Trip
by Don Ogden

APRIL 23 - 25 - Our field trip this month will be for Paul Bunyon agate. We are combining our field trip with the Delvers.

This should be a beautiful time in the high desert. Bring firewood for a campfire Saturday evening, weather permitting. Potluck dinner Saturday at 5:00 p.m.

Come prepared for walking and digging. It is all very healthy and rewarding.

See the map on the last page of the Newsletter for directions to the camp.

Stoddard Wells Field Trip
by Don Ogden

Nineteen club members showed up, some camped, and some came for one day.

Saturday was very windy with a few sprinkles of rain. Noberto and I went on the Tri-Colored-Marble field trip, and got some good material. In the afternoon, about 50% of the tailgaters packed up and went home. Bad weather prevented the Saturday night Potluck dinner and campfire.

There was ice and frost on the campsite Sunday morning. When it warmed up, Earl Liston and I went up the mountain and brought back some verdi antique and black jade?

Show Publicity Report by Jane Livezey

I don't know how other members feel, but I've reached the point where having fun and being proud of our hobby seem-- so much more important"/ than expanding our treasury. Neither the Crystal Cave last year nor the Goldmine this year were very productive in a monetary way, but weren't they fun? Loved that lighted glass case filled with such interesting objects. We may need to make more announcements about it from the stage, but those people who found their way into the back hall loved what they found- and it was such a great group effort! Any ideas for next year?

Chef Oscar in his calm unruffled way kept the kitchen going. Sandy and Chyo were marvels of efficiency (and I helped too). Guess we probably won't try Rockhound Lunches again, but they made great prizes for the spinning wheel, and we did manage to use or sell practically all of them. Oscar's tri-tip sandwiches (au jus on a French roll) were a big hit this year and I think we sold just about every sandwich we had and most of the deserts. Heard lots of compliments about our food.

The demonstrators and Krafty Korner in the lobby were placed in such a way as to have plenty of room. Were they ever busy! Seemed like everyone had interested customers all the time.

Even though we didn't seem to have as many cases as usual, they were all SO Special- each one different and so much better done than I've seen at other shows. How about entering some of them at the Orange County Fair?

The patio looked very efficient and neat this year. Guess we had some disappointingly solid geodes, but we live and learn - sometimes the hard way! When a child's eyes light up at the black light show, the prize they won on the spinning wheel, or the very first time a geode is opened we are creating a unique experience for that child. What better thing could we do?

Yes, we all get exhausted, frustrated and just plain grumpy, but isn't it amazing how everyone shares talents, interests and physical strength to get our show "on the road?"

From the Friday afternoon setup followed by the great dinner produced by Trini, Loretta and their crew, to the last gasp on Sunday when Don L. parked the loaded and locked truck in the parking lot ready to be unloaded at the storage facility on Monday, it turned out to be A SHOW WE CAN ALL BE PROUD OF!

Beads of Long Ago by Lois Dubin

The earliest known beads were found at an archaeological site at La Quinn, France, and date from about 38,000 BC. Few in number they were made from grooved animal teeth and bones. More beads, grooved and notched for hanging, were found dating from about 31,000 BC, in a large number of other places including Spain, Italy, Germany, Czechoslovakia, Austria and Russia.

By 28,000 BC, beads were perforated rather grooved and carvings appeared. Pieces of bone and ivory were ground into bead shape and decorated with incisions concurrent with cave paintings.

About 16,000 BC, abrasives were used to drill pebbles, fossils and other hard material. Bits of flint or chert were used and palm-rotated hand drills were made of hollow bone and filled with the abrasive and/or crushed stone. A later development was to drill holes halfway through the bead from opposite ends. Beads were made with the same techniques used in creating tools and weapons.

By 65 BC, beads had become a major trade commodity, since a commercial value could be assigned to them and they were easily portable. Demand for rare and exotic material to be used for adornment helped establish trade networks in Western Asia and the Mediterranean areas. Many of the beads were made of carnelian, shell, coral, turquoise and lapis lazuli.

Condensed from "The History of Beads from 30,000 BC to The Present", by Lois Sherr Dubin. (via *Delvings* Apr 1999)

General Meeting - March 9, 1999

by Susan for Loretta

President Don Ogden called the meeting to order at 7:36 p.m.

Oscar Veloz led the flag salute.

Ginny Grafton was presented a birthday card.

Joe Girtner gave a program on handmade knives cased in sculpted wood display boxes. His slide show was a variety of the work he has done using a variety of carving, beadwork, and casting techniques.

Ofelia and Norberto provided the refreshments.

Hospitality Report – Irene reported that 31 members and 2 guests were present. Michelle, a guest, donated a drawing prize.

Drawings – Norberto won the grand prize—a box with malachite cabochons.

Education Report - Ginny Grafton displayed sets of minerals, charts of the periodic table, etc.

Federation Report – Izzie Burns related that the field trip part of the CFMS Insurance was cancelled. Izzie is working on a disclaimer form like the one the Boron Co. uses for field trips. (See the CFMS News article by Izzie for more details.)

Field Trip Report – The next trip is to Stoddard Wells. We will have a field trip release form for each person to read and sign.

Show Report – Jeff Parker. We need everyone to help, some people who usually work won't be able to come this year. We need the following:

1. Set up and tear down – usually everybody helps, but within that, we need someone to get the truck and hire the workers to help set up and tote and carry and pack up and out on Sunday. Don Livezey volunteered to get the truck and workers.
2. Someone for the spinning wheel. - Trini will do the spinning wheel, she will be new at it, so help her out. She needs prizes. Ginny and Jerry picked up material donated from the Abramsons. Livezey's have some material, some is in the storage room.
3. Lay out the electricity, put up the "speed bumps". Remember to get a couple of rolls of duct tape.
4. Two people to spend the Friday and Saturday nights. Norberto will do one night, and volunteered to stay both nights if needed.

5. Kitchen staff will make sandwiches in the mornings and do the prep ahead of time. Joan and Jane will put together "Rockhound Lunches" for kids.

6. Friday night dinner will be a taco/tostado assemble it yourself buffet.

7. Loretta asked Kay to provide 60 tables.

8. The janitor who is usually there talked to Bill at the La Habra Days and he'll be there.

9. It was mentioned that we need to have different color donation award tickets each year.

10. Donation awards and money go to Susan.

11. Bring grab bags with identified stones. Bring pies and cakes for the kitchen sale.

12. Mike and Don O. will check on the banner, and get it fixed up.

13. Angie needs items for the Krafty Korner. Bring items, plants, etc. Friday night or Saturday morning. Let her know if you want unsold items back.

14. Chalmer saw an ad for our show on OCN cable. Jane L. has been working on publicity, flyers, tickets, brochures and bookmarks are available, that the Ogdens made up on their computer.

New Business: Jane L., Don L., Ofelia were on the committee to change our meeting place to the new La Habra Community Center. They filled out an application, went through the dates with Kathy. We wouldn't be able to start until May.

The application was approved even though 51% of the members don't live in La Habra. Norberto made a motion that we move to the new location, Virginia Grafton Seconded the motion. The motion passed.

For the new meeting location, we need to:

1. Make a diagram of how we want it set up, they will put a screen up if we need it.
2. Bring in and take out the coffee pot every month, as we have no storage area there.
3. The parking lot is well lit, but busy.
4. Call anyone interested in the club and invite them in May to the new site.
5. The display at the community center is getting compliments. Graftons will take it down.

We have been invited to put in a club Case at the Searchers show.

Treasurers Report - Bill Burns. Accepted and filed.

The meeting adjourned at 9:36 p.m.

Alloys *by Virginia Grafton*

Metals are one of the earliest known families of chemical compounds. They constitute 3/4th of all known elements.

As early as 4000 BC, Metalworkers in the middle east discovered that certain copper ores could be heated to produce a metal that was harder than copper, had a lower melting point, and was easier to cast. The ores contained tin and the alloy was bronze. The bronze age was born.

By 3000 BC, Copper-arsenic, copper-gold, and lead-tin alloys were made. Copper and zinc were alloyed between 2000 and 1000 BC to make brass. Brass was not used very much until 200 BC. When the Romans began to use it for coins.

Medieval chemists tried to transform other elements into gold. They did not produce gold but they found many new alloys.

Beginning in the 16th century AD, the most important development in alloying technology took place around iron and steel. When carbon is dissolved in iron, it produces steel. Carbon steel or wrought carbon steel has varying qualities depending on the amount of carbon. It can be given other qualities by adding other elements. Manganese makes it easier to shape in a rolling mill, nickel makes it rust resistant, chromium makes it hard and strong, silicon gives it magnetic properties. Stainless steel has 10-20% chromium and 5-10% nickel. It is rust and acid resistant. High speed tool steels are hard and retain the cutting edge when red-hot. They are made from iron, tungsten, chromium, and vanadium.

Solder is an alloy mostly of lead and 13/to 2/3 tin. Brazing solder is made of equal parts copper and zinc. Silver is added for jewelry work.

A pure metal consists of identical atoms packed closely together in an orderly (lattice-like) arrangement. The atoms are held in place by electrostatic forces. When elements are mixed to make an alloy, the metallic element present in the largest amount by weight is called the parent element and the others the alloying agents. The alloying agents are dissolved in the parent metal but do not combine chemically with it. Instead, they also arrange them-

selves in a regular pattern, filling the spaces between the atoms of the parent metal without disturbing the basic atomic structure.

The need for orderly arrangement explains why some elements do not form alloys. If you fill a box with balls (representing atoms) all the same size, you have spaces between the balls of a regular size. The diameter of the atom of the parent metal and the alloying agent cannot differ by more than 15% or they can not form an alloy. So, the number of alloys is limited.

Alloying developed from an art that depended on trial and experience into a blend of art and science based on the principles of chemistry and physics. Today alloying progress is largely a matter of refinement. Some new alloys are created to meet unusual specifications such as substitutes for materials that are becoming scarce.

Board Meeting Highlights

by Susan for Loretta

Committee reports covered in General meeting were not duplicated in the board meeting.

Field Trip report. Bill went to Lavic Siding on Friday night, people showed up Saturday and Sunday, some from the Orange Coast club. Good material was found Saturday morning. Saturday afternoon they went past Ludlow and went in the back way to a group of old silver mines.

Do we need a by law change regarding the Insurance? For the Insurance, we have to fill out a CFMS Field Trip Questionnaire for each field trip, and pay a premium if approved. In Lieu of the Insurance, have members' sign a Field Trip Agreement (Assumption of risk and Release of Liability) at each trip, when they get there. If don't sign in, they are not officially on the field trip. Mike suggested we get an aluminum clipboard to keep the forms in.

Paul Bunyan Agate trip will be April 23-25, near Ft. Irwin.

Mark Hendrixson passed away. Ginny Grafton made a motion that we donate \$25 to the scholarship fund in his memory. The motion was seconded and passed.

We need to arrange for coffeepot, supplies, microphone, and etc. at the new meeting place.

CFMS News
by Isabella Burns

April 21 - BLM Public Hearing on Surface Management Regulations for Locatable Mineral Operations - Environmental Impact Statement at Double Tree Inn in Ontario.

April 24 - Exhibitors' Workshop in Oxnard.

June 17 - 20 CFMS Show and Convention in Turlock

June 20 - Bulletin Aids Workshop at Turlock

The changes in the CFMS Insurance were somewhat startling. Great American Insurance Company offered to cover individual clubs as "named insured". This changed our need to pay for an additional insured certificate for our show.

The other change is that field trips will not be included in their insurance policy. The field trips can be insured for an individual club fee, if an application is made about two weeks prior to the event - giving the destination of the trip, the activities of the trip, the number of days of the trip, and the number who are taking the trip. These are questions that are difficult for a field trip leader to know two weeks in advance. The club has been looking into release of liability form for field trips. If any one has any information about such releases that information would be appreciated.

Just a bit about government restrictions on our recreation and education programs. The April 21 meeting on mining has four alternatives - Existing Regulations to Continue; State Management; Preferred Alternatives; and Maximum Protection. Of course most of us feel that our use of the desert is limited now and would certainly prefer no changes, but with other people pushing for changes we will probably have to accept some changes. I think the Maximum Protection could curtail some of our programs and require paper work for us. The third plan is preferable to the others to me. Working with the BLM Field Offices in the area where we desire to recreate give us an opportunity to discuss our desires and be heard more than rules from other agencies; even though I realize the personnel in the field offices change often.

The "Large Land Grab", Land Acquisition, is another subject to draw your attention. We fought long and hard and held our desert for eight years before we lost the fight. This Acquisition is mov-

ing on and even though it only effects a small area of our state so far, but HR701 would provide \$900-million annually for Federal Acquisition, and HR798 would guarantee \$2.3-billion annually. See me to read about these bills and hearings.

Federal Government to License Rock Picks
from AFMS Newsletter, April 1, 1991

As a part of a sweeping set of new federal regulatory guidelines, the U.S. Congress has created an office within the Department of the Interior to license and register public ownership of rock hammers. The legislation was signed into law on November 31 of last year, established the National Rock Hammer Registry (NRHR) for this purpose. NRHR Director April J. Ester, stated that starting January 1, the public will be required to register currently owned and newly purchased rock hammers by completing a form obtainable from gem & mineral dealers. A completed form must include an inked imprint of the rock hammer's striking face and a profile of the hammer's head.

Predictably, many mineral collectors and prospectors are upset. One angry rockhound, speaking on condition of anonymity, state, "The only way they'll take my rock pick away is if they pry it from my cold dead fingers!"

[Warning: article taken from 1996 April (Fool's) issue of *Lithosphere*. Via *Chips* 7/96, whose editor comments: "Joke or not, this gives one food for thought for those of us who DON'T write letters regarding legislation that is closing off areas on which we enjoy rock hunting.]

Via *Pegmatite*, April, 1998

CLEANING HINT
from Petrograph 12/95
via the Delvings

Don't use laundry detergent to clean oil from material that has been sawed. Use dishwashing detergent instead. Laundry detergents contain bleaches that may affect colors on many gem stones and slabs. Dishwashing detergents don't have bleaches and are balanced to break down oils, fats and grease.

Show Questionnaire Summary
by Loretta Ogden

What type of advertising brought you to the show?

1. Banner - 12
2. Flyer at other shows - 4
3. Flyer - 4
4. Flyer at school - 2
5. Flyer in mail - 2
6. CFMS Newsletter
7. Newspaper Event Section - 2
8. Brochures in Public Library - 2
9. Brochures in Community Center - 1

What was your favorite part of the show?

1. All
2. Learning about different minerals
3. The displays, dealers - prices are always very reasonable.
4. Rocks
5. Rock slabs
6. The different rocks
7. Display cases
8. Beads and fossils
9. The whole thing! We liked the panning for gold, the gold mine, and also the geodes. My kids loved the whole thing!
10. Cool show - will return next year
11. Mineral dealers and displays
12. Grab bags
13. Rock shop outside the building
14. Various booths and raffle

Was the location of the show convenient or pleasant for you?

Yes - 14 No - 0

Were prices (other than dealers) Lo, Ave., Hi?

Low - 6 Average - 8 High - 0

Did show appeal to all ages?

Yes - 14 No - 0

Comments:

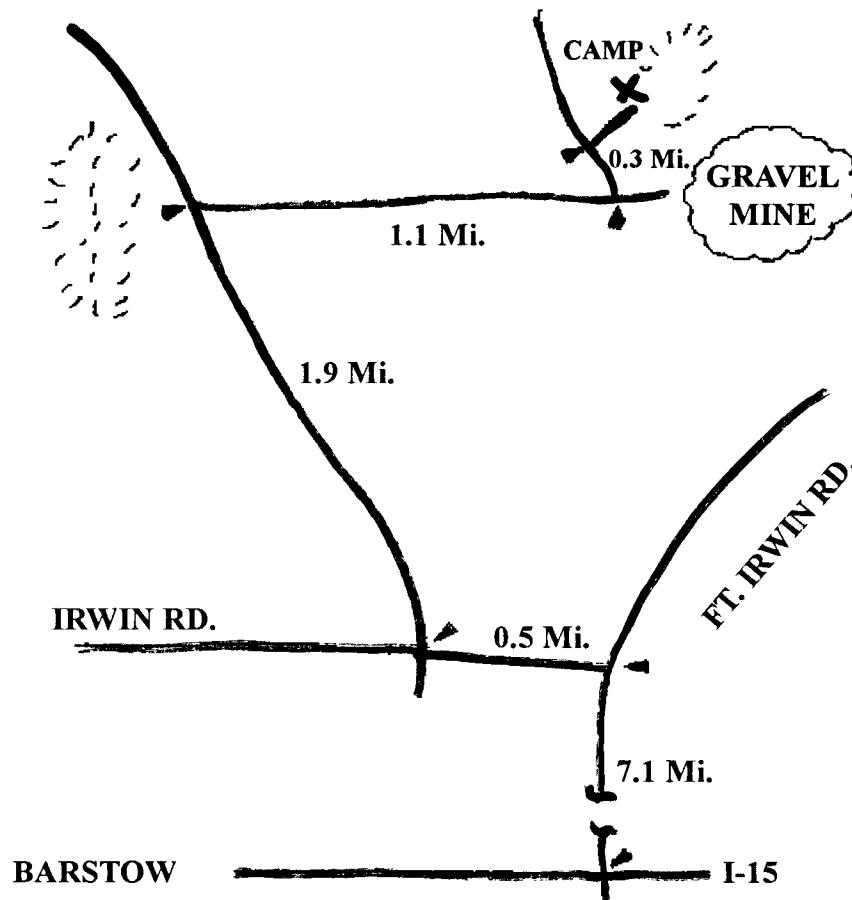
1. Want some onyx.
2. Was fun- my children had a nice time.
3. I like this show! Thanks for putting it on.
4. I'm interested in daytime classes.
5. It's great - there is so much child oriented materials - Demonstrators seem interested in helping and answering questions.
6. Food good - but tables too close together.
7. Good show - will return next year.
8. Appears to be handled very good.

There were 8 people interested in information

Preliminary NOC CALENDAR 1999

Apr	13	General Meeting at 7:30 p.m., Board Meeting to follow Program: Video entitled Russian Treasures
	11-18	ZZYZX
	23-25	Field Trip with Delvers - Paul Bunyon (NW of Barstow)
May	01	Club case in Searchers show
	08 or	One-day field trip to Horse
	09	Canyon
	11	General Meeting at 7:30 p.m., Board Meeting to follow
	28-31	Field Trip (Memorial Day) Cerro Gordo??
Jun	08	General Meeting at 7:30 p.m., Board Meeting to follow
	12-13	Cerro Gordo 2nd Mine Dump Digging ??
	18-20	CFMS Show & Convention (Turlock, CA)
	??	Field Trip?
Jul		No Meetings
	09-11	AFMS/Southeast Federation Show - Nashville, TN (See Izzie for info.)
Aug		No Meetings
Sep	14	General Meeting at 7:30 p.m., Board Meeting to follow
	17-19	Field Trip
Oct	12	General Meeting at 7:30 p.m., Board Meeting to follow
	15-17	Field Trip
Nov	09	General Meeting at 7:30 p.m., Board Meeting to follow
	25-28	Field Trip (Thanksgiving)
Dec	14	Annual Christmas Dinner and Officer's Installation

Paul Bunyon Agate Field Trip



Directions:

I-15 from Barstow to Ft. Irwin Rd., Turn Left.

Go 7.1 mi. on Ft. Irwin Rd., Turn Left on Irwin Rd.

Go 0.5 mi. on Irwin Rd., Turn Right on Dirt Rd.

Go 1.9 mi., Turn Right on Rd. at Base of Hill.

Go 1.1 mi., Turn Left (hard turn).

Go 0.3 mi., Turn Right.

Go 0.1 mi. to Camp Area.