

PRESIDENT'S MESSAGE

The year has been a busy one. Everyone has really been working hard. We had a good showing at the Orange County Fair with the club winning 5 blue ribbons, Loretta winning a first place trophy in San Jose, and we had a good turnout at the Faceters' Guild in Costa Mesa.



The 1996 NOC Show Committee is coming together and the Nominating Committee has put a great slate together.

The first field trip of the season to Hector Road has come and gone, and we are looking forward to joining the Whittier club at their onyx claim later this month.

We have a class in carving planned for November 4, and we are working on some other classes.

Don

OCTOBER MEETING AND PROGRAM

Date: October 10
Time: 7:30 p.m.
Place: La Habra Senior Center Assembly Room
Speaker: Sue Pastel

We are very lucky to have Sue Pastel give us a program on solderless jewelry. I'm sure many of you have seen Sue's show cases at the Fair or other club shows.

See you on the 10th for another great program.

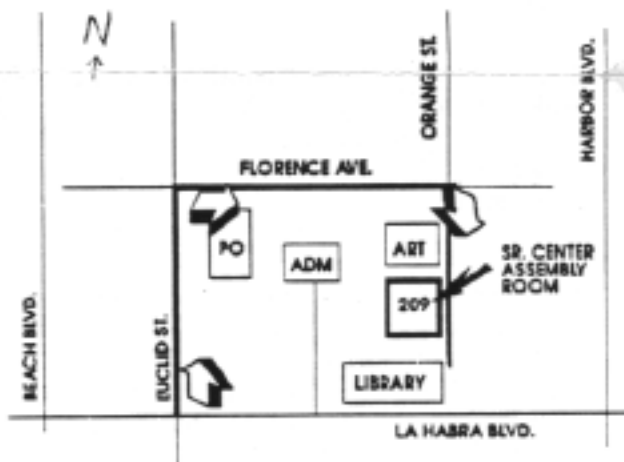
Loretta Ogden

COMING ATTRACTIONS

NOC CLUB ACTIVITIES

- Cab Making Classes in Walt Messemer's Garage, 7-10 p.m. Mon. & Wed.
- Regular Meeting in the Assembly Room, 7:30 p.m. Oct. 10
- Board Meeting in the Assembly Room, 7:30 p.m. Oct. 24
- Field Trip to the California Museum of Minerals at Mariposa (see Loretta for details.) Nov. 4 & 5

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COMING ATTRACTIONS Continued)

SHOWS AND EVENTS

Searles Lake G&MS, Lapidary & Show Bldg. 13337 Main St. Trona	10/14,15
Victor Valley G&MC, San Bernardino Co. Fairgrounds 14800 7th St., Victorville	10/14,15
Whittier G&MS/Gem Carvers' Guild of America. Masonic Temple, 7604 Greenleaf Ave., Whittier	10/21,22
Orange Belt MS, National Orange Showgrounds, Citrus Bldg., Arrowhead Entrance, San Bernardino	10/21,22
El Cajon Valley G&MS, Masonic Temple, 695 Ballantyne St., El Cajon	10/21,22
Quartzsite -- Clouds Jamboree POW-WOW QIA	1/15-2/15, 1996 2/7-11, 1996
AFMS/CFMS Show and Convention Riverside Convention Center, Riverside	8/9-11, 1996

Virginia Page, Ed.

FIELD TRIPS

A field trip to Wiley Wells is planned for the Thanksgiving weekend Wednesday November 22 through Sunday November 26. Our November bulletin will have information about this trip.

Our Christmas party and club officers' installation ceremonies will be on Tuesday December 12. Cost per person will be \$10.00. This gala event will be held at Day's Inn in Fullerton. Our November bulletin will have more details.



Bill Burns
Field Trip Chair



1996 NOC SHOW REPORT

The 1996 NOC show is coming together. We have several chairpersons and committee people already hard at work. We will be needing more help as the time grows near. Call or see one of the following or see me if you want to help.

- Don Warthen - Show Chairperson
- Izzie Burns - Dealers
- Ofelia Warthen - Publicity
- Loretta Ogden - Donation Prizes
- Bill Huber - Hospitality
- Trini Hermosillo/Sandra Mogan - Kitchen
- Bill Burns - Sales Table
- Ken Marks - Security
- Ginny Grafton - Show Cases

Don Warthen

FOR CAT LOVERS: Instead of using an oil dry compound to put your slab into after cutting, just borrow some kitty litter (before it has been used of course). Place the litter in a large pan and put your slabs into the litter. They will come out dry.

From Chips and Tips 9/94, via San Diego Lap. Soc. 11/94

REFRESHMENTS

Susan Hansen and Jerry and Ginny Grafton will be bring refreshments to our October Regular Meeting.



Thanks Izzie Burns and Pat Maggs for the delicious goodies we enjoyed at our September meeting.

Jane Livezey/Adele Huber

NOMINATING COMMITTEE REPORT

The 1996 Nominating Committee is proud to make the following nominations for officers of North Orange County Gem & Mineral Society for 1996:

- President - Loretta Ogden
- First Vice President - Ken Marks
- Second Vice President - Linda and Jeff Parker
- Treasurer - Bill Burns
- Secretary - Susan Hansen
- Federation Director - Izzie Burns
- Three Directors - Mike Maneth
Pat Maggs
Virginia Page
Stephanie Shea
Don Warthen



Nominations may be made from the floor at the October meeting and the vote for officers will be by secret ballot at the November Regular Meeting.

Nominating Committee: Pat Maggs, Ofelia Warthen, Loretta Ogden, Trini Hermosillo, Izzie Burns

RECAP OF OUR SEPTEMBER PROGRAM

The program last month was given by Harriet Breitman. She shared her knowledge of carving with us and sparked some interest in further

exploring this medium. She will be teaching a class for us in November.

Loretta

EDITOR'S NOTE:

A great big thankyou to Virginia Harvey for her help in putting our bulletin together each month. It was fun. The big rush always beat the mailman!

I also want to thank those who have shown an interest in learning the routine of doing the bulletin.

Virginia Page



GEODES

Geodes are slightly flattened spherical mineral bodies that contain layers of inwardly radiating crystals surrounded by a layer of cryptocrystalline quartz. New crystal layers frequently grow on the terminations of old layers, often nearly or completely filling the entire geode.

Geodes commonly range in size from less than 5 cm (2 in) to more than 30 cm (12 in) in diameter, but can be much larger.

The crystals usually are composed of quartz. They also may be composed of the carbonate minerals such as calcite, dolomite, aragonite, and ankerite; of the oxide minerals hematite and magnetite; or of the sulfide minerals pyrite, chalcopyrite, and sphalerite. The sulfide minerals, when present, are most often innermost; the carbonate minerals generally are next to the outermost chalcedonic layer.

Geodes occur in limestones and shells, where they somehow are formed by the expansion of a cavity filled with a salt solution. Silica-bearing waters coagulate into a gel, which surrounds the salt solution. As the water surrounding this silica gel becomes less saline,

internal pressures are created by the osmotic action seeking to equalize the salinity imbalance. These pressures cause the geode to expand until equilibrium is reached.

Dehydration of the gel and subsequent crystallization occur, along with shrinkage and cracking of the geode wall.

Mineral-bearing waters percolate into the geode and deposit crystals on the cavity wall. Subsequent periods of crystallization may follow, leaving the characteristic layers of crystals.

Jeff Parker,
NOC Club Member/Writer



1993 Grolier Electronic Publishing, Inc.
Bibliography: Barry, L. G., and Mason, Brian, *Mineralogy*, 2d ed. (1983); O'Donoghue, M.J., *Quartz* (1987); Roberts, W.L., *Encyclopedia of Minerals*, 2d ed. (1989).

CFMS NEWS

Zzyzx Earth Science Studies program has been scheduled for April 14 to 19. The price for the week is \$160.00, which includes meals, lodging, lectures, instruction in many of our lapidary techniques, and field trips. See me for application forms. This year is filling up fast, so register now.

Izzie Burns, Federation
Director



CARVING CLASS given by Harriet Breitman on Sunday Nov. 12, 1995 at 10:00 a.m. to 4:00 p.m.

ITEMS TO BRING:

1. Soft stone or two
2. Big towel
3. Flexible shaft or dremel
4. Diamond burs
5. Extension cords
6. Table or swing arm light
7. Mask for dust
8. Bowl, sponge, medium and small paint brushes for water
9. Hot stuff glue - original and gap filler
10. Picture or figure you may want to carve - Kiss
11. (keep it simple, and I mean simple)

Harriet has requested that, weather permitting, we do it in Loretta's backyard if not at La Questa.

To sign up call Loretta at (714) 671-0588 or (909) 598-2456

The first 10 people to pay their money will attend. You may pay our treasurer, Don Livezey.

Loretta

MEMBERS IN THE NEWS

HAPPY BIRTHDAY to those born in October. Your birthstone is Opal or Tourmaline. Your flower is Calendula or Cosmos. Have a wonderful day!

- Betty Tuggle, 10/2
- Susan Hansen, 10/11
- Ofelia Warthen, 10/20
- Gary Willens, 10/25





Get well wishes have been ongoing to Russ Hughes. We are happy to hear he is improving. Izzie says we might even see him at our next meeting. That is good news in deed!

Virginia Page

CLUB NEWS AND MEETING HIGHLIGHTS

REGULAR MEETING, Sept. 12

Don W. circulated a sign-up sheet for jobs to be done at our annual show next March.

Loretta introduced our speaker for the evening, Harriet Breitman. She gave a wonderful lecture on carving.

Bill Burns introduced James Tu, president of a new gem and mineral club in Monterey Park.

We had in attendance 30 members and happily welcomed our 4 guests Dot Beachler, Peggy Hill, James Tu and Kathy Hunter.

Stephanie Shea presided over our door prize session. Winners were: Mike Maneth, Loretta Ogden, Ginny Grafton, Jane Livezey, Izzie Burns, Susan Hansen, our guest James Tu, Ofelia Warthen and Joe Ishida, and another guest Dot Beachler. Chuck Pierce won the \$5 membership drawing.

Don L. read his treasurer's report.

Ginny told about her and Jerry's rockhounding trip taken this summer. They had some beautiful pictures.

Last June Jane L. asked members to fill out a survey about our meetings, programs, field trips and class offerings. Many interesting comments were made. Jane gave a quick summary of this survey.continued

CLUB NEWS AND MEETING HIGHLIGHTS

(Continued)

REGULAR MEETING (Continued)

Bill B. talked about the Field Trip South Seminar on Sept. 30 and Oct. 1. No field trip is scheduled for October. Thanksgiving weekend we will be going to Wiley Wells. Loretta talked about the Mariposa Museum trip but as yet nobody has signed up.

Izzie reviewed the San Jose Federation Show and the AFMS Show held in Boise, Idaho. She talked about promoting the 1996 AFMS/CFMS Diamond Daze Show to be held in Riverside Aug. 9, 10, 11, 1996.

Don W. asked the membership for three nominees for the Nominating Committee. Pat Maggs, Ofelia, and Trini Hermosillo were nominated.

Don W. will check the new building across the street for a possible meeting place. Some details need to be explained to us.

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BOARD MEETING, Sept. 26

Don L. gave his treasurer's report.

Board approved we pay \$300 deposit for our present meeting room. This is a one-time arrangement.

Loretta gave her program report.

Jane L. suggested that we have library books set out so members can check them out during our Regular Meeting.

Virginia Page talked about report deadlines for the bulletin. Diane Dare submitted to the AFMS newsletter an article on this subject. Some excerpts were read.

Izzie recommended that we participate at the Hacienda Heights Youth Science Center in January. Board approved this.

Izzie talked about the 1996 AFMS/CFMS Diamond Daze Show.

Bill B. gave his field trip report.

Loretta had some great ideas for Entertainment at our Christmas party. Izzie proposed and Board approved charging \$10 for Christmas party attendees.

Don W. gave his NOC show report.

Virginia Page

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AFMS/CFMS NEWS

The Diamond Daze 1996 Show is moving along with much planning. An international flavor has been added as programs for the Carver and Opal Symposiums will be from diverse places like New Zealand, Australia and Canada. Many of the CFMS talented members will also be presenting programs.

The show shirt decorating contest at the Faceter's Fair Show drew much attention and made a great kickoff for Southern California advertising. People were interested when they saw members wearing the tourmaline colored shirts and other shirts hanging in back of the booth. We will have promotion booths at various shows until next August. We will always welcome help to man the booth for a few hours.

Izzie, Federation Director



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SUN SAFETY by Mel Albright, Chair, Safety

Heat cramps are the less serious but still dangerous result of too much heat. These are spasms of the muscles brought on by exertion in hot weather. Many times the calves are the first muscles affected.

What causes cramps? - intense sweating followed by drinking of salt free water. They are more likely to occur if you're out of shape, in poor health, tired or have been drinking alcohol BUT, they can occur to anyone! Drink something salty.

Exerpts from the June 1995 issue of the AFMS Newsletter