

# NOC GEM & MINERAL SOCIETY NEWS

Vol, 18 No. 9

November 1999

## President's Message

by Don Ogden

The November meeting will be the last regular meeting this year. We would like you to attend so you can vote on the year 2000 NOC officers and/or volunteer for a position that needs filling.

The CFMS field trip will be to Horse Canyon and the Thanksgiving field trip will be to Holtville.

We need to talk about the show at the November meeting. The City has added a police service of \$856 to the cost of renting the building for our show. We contacted the La Habra police department and asked for a waiver. We haven't received a reply as of this printing.

Be sure to read about the new CFMS insurance coverage on page 4.

Hope to see "You All" at the next meeting.

## November Meeting

Date: November 9  
Time: 7:30 p.m.  
Place: La Habra Community Center  
101 W. La Habra Blvd  
Program: Lisa Babalonia, Curator at the Ralph B Clark Park Museum

## Refreshments

by Oscar Veloz

Al & Verle Stadel and Oscar Veloz are on the refreshment list to bring goodies for our November 9 meeting. Thanks to Virginia Grafton and Susan Hanson for bringing the refreshments we had at our October meeting

## NOC Club Activities

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

**Board Meeting — November 9, 6:30 p.m.**

Regular Meeting — November 9, 7:30 p.m.

Deadline for NOC News — November 23

## Field Trips

by Don Ogden

Horse Canyon Field Trip Nov 11th - 13th  
Maps and membership cards at Nov meeting

NOVEMBER 24-29 - The November field trip will be to Holtville. The field trip leader and date will be announced at the next meeting.

## Program

by Jane Livezy

Don't miss the November 9 meeting! Our speaker will be Lisa Babalonia on Rocks and fossils at the Ralph B Clark Park Museum.

## Members in the News

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

*Jeff Parker - Nov 8*

*Jane Livezey - Nov 11*

*Jerry Grafton - Nov 19*

Your gemstone is Topaz.

Your flower is Chrysanthemum.

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## Shows and Events

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via CFMS Web Page ([www.cfmsinc.org](http://www.cfmsinc.org))

**November 5-7 San Diego, CA**  
San Diego Lapidary Society  
Al Bahr Shrine  
5440 Kearny Mesa Road  
Hours: 10-5 each day  
Stan McCall (714) 827-5680  
or Fax (714) 827-2248

**November 6-7 Anaheim, CA**  
American Opan Society  
Quality Inn Hotel  
616 Convention Way  
Hours: Sat. 10-6 Sun. 10-5  
Stan McCall (714) 827-5680  
or Fax (714) 827-2248

**November 6-7 Fontana, CA**  
Kaiser Rock & Gem Club  
CA Steel Industries (near CA Speedway)  
9400 Cherry Ave.  
Hours: 10-5 both days  
Jean White (909)822-7507

**November 20-21 Oxnard, CA**  
Oxnard Gem & Mineral Society  
Oxnard Performing Arts Center  
800 Hobson Way  
Hours: 10-5 both days  
Michael David (805) 984-9512

**November 20-21 Pasadena, CA**  
Mineral Society of Southern California  
Pasadena Center  
300 E. Green Street  
Hours: Sat. 10-6 Sun. 10-5  
Jim Schlegel (626) 449-9197  
Mss@mindspring.com

**November 24-29 Holtville, CA**  
Imperial Valley Gem & Mineral Society  
Holt Park (Middle of Holtville)  
Hours: 9-4  
Jeep Swerdfeger (760) 344-6230

**November 27-28 Barstow, CA**  
Mojava Desert Gem & Mineral Society  
841 Barstow Road  
Hours: Sat. 10-6 Sun 10-5  
Bob Depue (800) 253-2954  
Beth Pinnel (760) 255-1030

**December 4-5 Rialto, CA**  
Orange Belt Mineralogical Society, Inc.  
The Masonic Lodge  
260 South Palm Ave.  
Hours: Sat. 10-6 Sun. 10-5  
Beverly Jenkins (909) 882-7598

**2000 March 25-26 La Habra, CA**  
NOC Gem & Mineral Society  
La Habra Clubhouse  
200 W. Greenwood  
Hours: Sat 10-6 Sun. 10-5  
Jeff Parker (562) 946-0057

**2000 August 4-6 Riverside, CA**  
CFMS 61st Annual Show & Convention  
Hosted by Valley Prospectors  
Convention Center  
Hours: Fri. & Sat. 10-6 Sun. 10-5  
Bural LaRue PO Box 1657, Rialto, CA 92377-1657  
e-mail [bpalarue@earthlink.net](mailto:bpalarue@earthlink.net)

**2000 September 23-24 Downey, CA**  
Delvers Gem & Mineral Society  
Woman's Club of Downey  
9813 Paramount Blvd.  
Hours: Sat. 10-5 Sun. 10-4  
Angie Harwood (562) 692-4540

**2000 October 13-15 Moab, UT**  
AFMS/RMFMS Show & Convention

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## Attention Everyone

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*by Jane Livezey, Loretta Ogden, and Virginia Grafton*

We are going to change the display case in the La Habra Community Center. We want to put in things people have made. So will each of you please bring something you have made to the November meeting.

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## General Meeting October 12

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by Loretta Ogden

**Meeting** – The meeting was called to order by President Don Ogden at 7:35 p.m.

**Flag Salute** – Bill Burns led the flag Salute.

**Birthdays** – Susan Hansen and Ofelia Warthen were presented birthday cards.

**Program** – The program was Easide Reservoir Project by Kathleen Springer.

**Refreshments** – Virginia Grafton and Susan Hansen provided the refreshments.

**Minutes of Last Meeting** – Minutes of the last meeting that appeared in the newsletter were approved.

**Treasurer's Report** – Bill Burns gave the report.

**Hospitality Report** – Irene Veloz gave the report. There were 28 members and 1 guest present at the meeting.

**Education Report** – Ginney Grafton gave the report on new books.

**Federation Report** – Issie Burns reported on CFMS field trips to Horse and Stone Canyons.

**Field Trip Report** – The next field trip is to Eastside reservoir near Hemet - Oct 22, 23, and 24.

**Show Report** – Reservations made. Jeff needs volunteer help for show.

**Refreshment Assignment** – Oscar will bring refreshments to the Nov meeting.

**Old Business** – Election - See Election of Year 2000 Officers and Directors.

**New Business** – Club to donate \$300 to CFMS and \$200 to CA State Fullerton.

Meeting Adjourned – 9:30 p.m.

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## Christmas Party/ Installation Dinner

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by Loretta Ogden/Virginia Grafton

Well the time to celebrate the Holidays is here again. This year we will be gathering in the California Room at the **Four Points Hotel**, 1500 S. Raymond Ave. Fullerton, CA 91831. The date is **Tuesday December 14, 1999** at 6:00 PM for cocktails. It is very important to

bring your unwrapped gifts for the children and also the food for the city of La Habra to distribute to those in need.

You will have a choice of Stuffed Breast of Chicken or London Broil. They will provide a Christmas tree, tables set with Christmas decorations including center pieces.

Reservations will be available by purchasing your ticket at the November meeting at \$10 per person. Or you may reserve your spot by calling Bill Burns at (626) 288 2896.

We are looking forward to seeing all of you at the party and if you need a ride please call any of the board members so we can make arrangements for you. We will be doing the traditional installation of the new board !!!!

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## Election of Year 2000 Officers & Directors

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by Don & Loretta Ogden

On October 12, the Nominating Committee placed names into nomination for NOC officers and Directors. Then nominations were called from the floor. Izzy moved that nominations be closed. It was 2nd and passed.

The election will take place at the November 9th meeting. The President, 2nd VP and some Directors terms have one year remaining, and the Federation Director two years. Following is the slate for the year 2000:

President - Don Ogden (1 year remaining)

1st VP - Loretta Ogden

2nd VP - Irene Veloz (1 year remaining)

Treasurer - Don Livezey

Secretary - Susan Hansen

Federation Director - Izzie Burns (2 years remaining)

Directors -

Ginny Grafton (1 year remaining)

Jeff Parker (1 year remaining)

Oscar Veloz (1 year remaining)

Don Warthen

Bill Burns

Norberto Elicker

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## Education Report

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by Virginia Grafton, Education Chairman

### WATER MAKES ROCK - PART II

Water plays a different role when it dissolves minerals. It seems impossible to think of water dissolving rocks, but surface water is capable of dissolving many minerals. If the water is acidic or basic or has been heated it can readily dissolve many minerals out of rocks over a long period of time. It carries the minerals in solution until the appropriate conditions are met and new minerals are deposited in rock cavities and other spaces.

**Precious Opal** and some other gemstones form from surface water under special conditions that may include chemical reaction, cooling of heated water and evaporation. Rain water combines with  $\text{CO}_2$  in the air to produce carbonic acid (a weak acid). This seeps into the earth. If it meets a pyrite ( $\text{FeS}_2$ ), sulfuric acid is formed, and it is a stronger acid which dissolves many minerals.

**Malachite** can be formed in this way. Acidic copper bearing solutions react with Limestone ( $\text{CaCO}_3$ ) or Dolomite ( $\text{CaMg}(\text{CO}_3)_2$ ) forming Malachite  $\text{Cu}_2\text{CO}_3(\text{OH})_2$ .

**Rhodochrosite** ( $\text{MnCO}_3$ ) is formed if manganese is present rather than copper.

**Turquoise** ( $\text{CuAl}_6(\text{PO}_4)_4(\text{OH})_8 \cdot 4\text{H}_2\text{O}$ ) forms when acidic copper bearing solutions seep into porous volcanic rocks and react with minerals containing aluminum and phosphorous.

**Groundwater** heated by buried magma (hydrothermal water) rises to the surface and dissolves chemical elements from the rocks which it passes. The water cools as it nears the surface until it can no longer hold the elements in solution. After depositing new materials, the cooled water sinks and becomes reheated.

**Agate and Amethyst** may be formed hydrothermally. If the amount of silica dissolved is great, agate is formed and deposited in layers on the walls of cavities in the rock. As the silica content decreases, large quartz crystals such as amethysts grow

on the agate layers until the water is either evaporated or all the silica is depleted.

In **arid regions**, where rainfall is limited to seasonal showers, the conditions are ideal for the formation of opal deposits by evaporation. During the isolated showers, rainwater percolates down through silica rich rock such as volcanic ash or tuff. Silica is dissolved and carried down to the water table, which is high during the rainy season, and the water fills open spaces. During the dry season some of the water evaporates, making the water left rich in colloidal silica. Opal is deposited in the open spaces in the rock.

**Opal** consists of billions of submicroscopic spherical particles of silica stacked regularly together. The play of color of opal results from the interplay of light with the stacked particles and all spheres of the same size that have settled in a very orderly pattern like neat rows of oranges in a box. Most opal is made of variable sized particles in a disorderly array and does not show a play of colors.

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## Federation Report

CFMS, Inc. Insurance Program for 1999 -  
2000

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by Izzie Burns, CFMS Director via CFMS Website

The new insurance coverage is through the Federal Insurance Company, a member of the Chubb Group of Insurance Companies. Chubb has one of the best reputations in the insurance industry and has an A.M. Best rating of A++. Your broker is Patt Wilson McDaniel with McDaniel Insurance Services, a brokerage firm specializing in insurance for nonprofit organizations and professionals. The limits of liability coverage are as follows:

\$2,000,000 ----- General Aggregate (annual limit)  
\$2,000,000 ----- Products and Completed  
Operations Aggregate  
\$1,000,000 ----- Personal & Advertising injury  
\$1,000,000 ----- Each Occurrence, Fire Legal  
Liability included  
\$300,000 ----- Liquor liability  
\$1,000,000 ----- Non-owned auto and hired auto.  
Fidelity bond included at \$10,000 limits and  
Blanket Additional Insured is included.