

NOC GEM & MINERAL SOCIETY NEWS

Vol. 33 No, 05

May 2014

President's Message

by Nancy Bird

Only one (1 !!!!!) month to SHOW TIME!

I do so hope all of the members will be able to help in any way they can. We seem to get smaller every year and this is a great opportunity to increase our membership. We really need "all hands on deck."

You can help, of course, Thursday, June 5, starting around noon for set up. Nancy O'Conner in the kid's area, Teri Heuer at the Donation Awards, me at the Pot o' Rocks and grab bags, Armando Perdoza at the geodes, walking around security would be very important, and Jay and Kathy Valle at the Silent Auction. All could use help throughout the 3 day show. We will have the ROTC from La Habra H.S. and the Youth Committee doing a lot of work.

Wear your badge and an orange shirt if you have one and come support your club! We will have lanyards so you won't have to pay the \$1.00 entry fee.

We do have the opportunity to have a workshop there at Sonora H.S. for free. I have mentioned this before. We need someone to spearhead the organizing. This is one of the things we've wanted for years, and here it is in our lap. It's now a question of will we do it? We have machines and money. I will donate my vibrating tumbler from Clarence Pool and Walt Wright says he will donate all his machines if we have a shop. So all we need is a person to take charge.

Thank you to everyone who turned out and helped at the Citrus Fair. We made some money and had fun.

Nancy Bird

NOC Club Activities

Board and Show Meeting - May 21, 7 p.m. to 9 p.m. at the Community Center

Field Trips - **May 17 Wrightwood:** Actinolite and visits to sites along the San Andreas Fault

Programs

The May 13 program will be on the show.

Refreshments

Thanks to Nancy O'Conner and Nancy Bird for bringing the goodies to the April meeting. Kim Winn and Ofelia Warthen will bring the goodies to the May meeting.

Date: May 13

Time: 7:00 p.m.

Place: La Habra Community Center
101 W. La Habra Blvd.

Members in the News

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

Dennis Arp

Izzie Burns

Lucille Howe

Jonas Ruzgy

Your gemstone is Emerald

Your flower is Lily of the Valley or Hawthorn

Shows and Events

May 3 - 4: YUCAIPA, CA
Yucaipa Valley Gem & Mineral Society
Scherer Senior Center
12202 First Street
Hours: Sat 10 - 6, Sun. 10 - 4
Contact: Lee Peterson, (909) 794-0731
Email: res09ayd@verizon.net
Website: www.yvgms.org/wiki

May 30 - June 1: POMONA, CA
2014 CFMS Show and Conference
May 30 - June 1
Fairplex, 1101 W. McKinley Ave
POMONA, CA
Hosted by the Pasadena Lapidary Society
Show Website: www.cfms2014show.com

June 6-8: La Habra, CA
NOC Gem & Mineral Society Show
La Habra Valley Community Fair
Sonora High School
401 N. Palm St.
La Habra, CA
Friday, June 6 4-9 p.m.
Saturday, June 7 9 a.m. - 9 p.m.
Sunday, June 9 9a.m. - 6 p.m.
At the Fair
(Livestock Show & Auction, Car Show & Dog Show, Gem & Mineral Show, Youth Exhibits, Games & Chili Cook Off, Food & Festivities)
(562) 697-0636
www.lhvcfair.com
www.nocgms.com

June 28 - 29: CULVER CITY, CA
Culver City Rock & Mineral Club
Veterans Memorial Auditorium
4117 Overland Ave
Hours: Sat 10 - 6; Sun 10 - 5
Contact: Janice Metz
Email: janicemtz@yahoo.com
Website: www.culvercityrocks.org/fiesta.htm

Good Memory

via web

Three elderly men are at the doctor's office for a memory test.

The doctor asks the first man, "What is three times three"?

"274," came the reply.

The doctor rolls his eyes and looks up at the ceiling, and says to the second man, "It's your turn. What is three times three"?

"Tuesday," replies the second man.

The doctor shakes his head sadly, then asks the third man, "Okay, your turn. What's three times three"?

"Nine," says the third man.

"That's great!" says the doctor. "How did you get that"?

"Simple," he says, "just subtract 274 from Tuesday."



PRINTING

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The President

via internet

It takes a special kind of tree to have a nickname. Not every tree has a nickname, but 'The President' has earned it. This giant sequoia stands at 247 feet tall, and is estimated to be over 3,200 years old. Imagine, this tree was already 1200 years old when Jesus walked the earth.

The trunk of the president measures at 27 feet across, with 2 BILLION needles from base to top.



Because of its unbelievable size, this tree has never been photographed in its entirety. Until now. A team of national geographic photographers have worked along with scientists to try and create the first photo that shows the president in all its glory.

They had to climb the tree with pulleys and levers, and took thousands of photos.

Of those, they selected 126 and stitched them together, to get this incredible portrait of the president.



Rock Balancing

via Web

Michael Grab.....is an artist who has been rock balancing since 2008. Much of his recent work has been done around the Boulder, Colorado area. Grab explains:

"The most fundamental element of balancing in a physical sense is finding some kind of tripod for the rock to stand on. Every rock is covered in a variety of tiny to large indentations that can act as a tripod for the rock to stand upright, or in most orientations you can think of with other rocks. By paying close attention to the feeling of the rocks, you will start to feel even the smallest clicks as the notches of the rocks in contact are moving over one another. These "sculptures" have no support other than the rocks themselves."



La Habra Citrus Fair -- April 13, 2014



View San Andreas Fault on the way to Wrightwood

by Don Ogden

1. Take **CA-210 E** to **I-15 N**.
2. Exit **I-15 N** at **Kenwood Turnoff** and go under fwy to old Hwy 66 (Canyon Rd).
3. **1.4 mile** - to Blue Cut marker. It was named after the Mesozoic Pelona Blue Schist. **The schist can be collected across the road at the foot of the dark cliffs.**



4. **0.2 mile** - the fault crosses the road where the scarp on the right slopes down to road level. Leaving the Pacific Plate and entering the North American Plate.



5. **0.6 mile** - turn left on **Swarthout Canyon Rd.**

6. **0.4 mile** - cross RR tracks.
7. **0.2 mile** - cross the fault and back on Pacific Plate.
8. **0.3 mile** - cross RR tracks. Payment ends and fault is on the right.
9. **0.5 mile** - tall eucalyptus trees to the right mark the location of **Lost Lake sag pond**. Visit the sag pond as it is on the fault.
10. **0.1 mile** - cross under power lines. The fault is on the left and will remain there until we get to Wrightwood.
11. **.02 mile** - ascend scarp. The white, tan, and pink Cajone Valley Formation is straight ahead.
12. **3.2 miles** - intersection of Swarthout Canyon Rd. and Lone Pine Canyon Rd. **Turn left.**
13. **5.3 miles** - two bright white cliffs of heavily fractured marble-dolomite are visible about 50 yards to the right. The marble was once mined for cement. **The marble can be collected here.** Just below the ICY sign green Pelona Schist outcrop on the left.



Richard Schirer

14. **1.6 miles** - cross the diversion channel for Sheep Creek Canyon debris flows. Just ahead, the fault crosses through the intersection of Lone Pine Canyon Rd. and Sheep Creek Rd. End - Go to Grizzly Cafe.

Rock and Minerals of Heath Canyon, Wrightwood, CA
Field Trip, May 17

by Don Ogden



Actinolite



Actinolite Asbestos



Ferrian Dolomite



Gneiss (Plagioclase Fenspar and Biotite) with Xenotime (Yttrium Phosphate)



Light Green Epidote and Quartz and Dark Chlorite



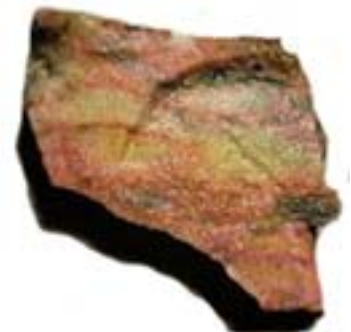
Manganese with Spessartine Garnet and Quartz



Marble



Muscovite-Albite Schist



Rhodonite with Spessartine Garnet, Manganese Oxide and Quartz



Serpentine



Talc-Chlorite-Ankerite Schist



Talc-Ferrian Magnesite-Amphibole Schist

Meeting Minutes April 8, 2014

by Teri Heuer

Flag Salute led by President Nancy Bird.

Presentation on Condor Agates of Patagonia, Argentina
by Richard and Mary Pat Weber .

Refreshments were provided by Richard and
Nancy O'Connor and Nancy Bird.

We had a great raffle by Loretta Ogden.

We had 15 members and one guest attend the
meeting.

President Nancy Bird led the general meeting.

The March meeting minutes stand as read.

Treasurer's report provided and read by Don
Warthen.

President Nancy talked about our NOC Booth at
the upcoming Federation show in Pomona. Nancy
also informed the members that the Victor Valley in
Hesperia is having a giant rock sale.

Education Ofelia Warthen spoke about the
upcoming Sterling Wire Wrap Pendant Class. The
class will be held at the La Habra Community Center
from 6-9 p.m. on April 29, 2014.

President Nancy Bird read a donation request to
the members concerning Sonora high school for their
"Grad night" the club voted to provide Sonora High
School with a \$100 donation. Loretta Ogden said
she would make a necklace to donate as a prize for
the Grad night event.

Frank Winn spoke about the upcoming Field trip
at Stoddard Wells will be on the weekend of April
26 and 27th.

We will be discussing the upcoming show at Sonora
High school at our May meeting as it is our last meeting
before our June show. It is very important that all
members attend this May meeting. This is our club's
most important event of the year. This year we will
need all our members to participate in our biggest
event. We need all types of help with the show – so
start thinking now what you may like to do for the
show? Any help will be greatly appreciated as many
hands make the load lighter.

Please to pick up your raffle tickets from Alan or
Teri Heuer. at our general meeting Tuesday May 13th,
2014

Schedule of 2014 Education Classes

by Ofelia Warthen

There will be no classes in May, June, July, and
August.

Even though our classes are suspended for the
summer that doesn't mean the education committee
will be idle. We plan to make contacts, plan and test
new projects to offer next year and look for more
supply sources.

We could use help especially in recruiting new
students. I guess you could call that marketing. If
you have any ideas for any of these previously stated
endeavors please contact either Ofelia Warthen or
Loretta Ogden.

Scheduled Classes

September 23 - Copper leaf

October 28 - Chinese Knotting

November 18 - Holiday Project

For more information contact Ofelia Warthen
562-946-0828 or e-mail odwarthen@verizon.net

2014 Field Trip Schedule

May 17 Wrightwood: Actinolite and visits to sites along
the San Andreas Fault

June (TBA) Cerro Gordo Mine: Historical Ghost Town
and minerals associated with the mining of silver, lead, and
zinc. Noted as a location to find Smithsonite.

July 12 Palos Verdes: Glaucofane, barite and agate
minerals.

Aug 2 Nipomo Show/Los Olivos: to collect Serpentine, the
California State Rock. Possibly collecting Cinnabar and a
stop at Tajiguas Creek for fossilized whale bone.

Sept 20-21 Jalama Beach: Agate, jasper, petrified whale
bone, travertine onyx, Marcasite and fossils.

Oct 11-12 Searles Lake Club Show & field trips: Pink
halite crystals & borax minerals.

Nov 1-2 Whittier Claim Area: honey onyx, agate, jasper,
palm root, etc.

Nov 28-30 Wiley's Well Area: Annual CFMS field trip for
geodes, agates and other good stuff.

For up-to-date information on these field trips call Joe Goetz
at (626)-622-9420.

NOC April 2014 Education Report

by Ofelia Warthen

April continued to be a great educational month.

First, the display case at the Community Center was rearranged and cleaned up on April 2nd. Has anybody noticed? Some of our students will be displaying pieces of their finished jewelry in the near future. We also have many NOC members that have great collections of earth science material that would make a fascinating display. Please call us and we can show the public what we really love to do and encourage someone to want to join us.

Our April 29th class students were all first time wire-wrappers. They all finished their sterling silver wire-wrap pendants and left very excited wanting to do the next class. I want to thank and appreciate our teachers, Don Warthen and Loretta Ogden. They are always happy to volunteer and give some of their precious time. Our next class will resume on September 23rd.

The education committee has discussed joining the La Habra Chamber in its "Collaborative" Program with the City of La Habra. This is an outreach and joint venture program involving businesses and other organizations like non-profits to coordinate as mentors with schools and youth organizations. The purpose is to help build and coordinate a friendly environment in the community.

We are all members of the La Habra Chamber of Commerce and I attend most of their networking meetings every Thursday at the Corner Bakery. I made an announcement that our NOC organization has a program "Future Rockhounds of America". The group is very interested in integrating this type of program with the youth. I know all of our members

joined NOC to learn and enjoy the hobby of being a rock hound. We continue to learn a lot by going out on field trips and through our own earth science programs. Our mission is to reach out and teach others. Our Committee is very interested in promoting our own "Future Rockhounds of America" through the Collaborative program. So, what do you think, are you interested in joining?

I am very interested in promoting this project within our club and would like your opinion. This will require all of us to share, promote and volunteer. Call me or email me, love to hear from you.

Wrightwood Field Trip May 17, 2014

The Field Trip To Wrightwood flyer is on page 10. It provides information for Transportation, Activity, What to Bring, RSVP, and Schedule.

For those that are interested, Mark Nelson has arranged for a couple of vans to take people up there and to go and see various points on the San Andres Fault as shown on page 6..

We will be collecting actinolite, with a bright green color that sparkles in the sunlight. It is deceiving as to the size compared to its weight. If nothing else, it makes for a showy yard rock. It can be shaped, cut and polished, though polishing is done with diamond instead of the usual polishes used.

On the way we can collect Mesozic Pelona Blue Schist at the foot of the dark cliffs, and marble-dolomite from the two white cliffs on the right of the road just before Wrightwood.

Page 7 shows the rocks and minerals found in Heath Canyon.



FIELD TRIP TO WRIGHTWOOD

SATURDAY, MAY 17TH

7am — 4:30pm

Collect Actinolite Specimens and View Tectonic Plate Activity

Lead by Don Ogden and Mark Nelson



Transportation: We will have two vans and licensed drivers, which are available to the first 24 people to sign up, at a cost of \$10 each. Sign up for the van at the Mt. SAC classroom (up to May 12th) or by email to Mark Nelson at mnelsonair@aol.com or 909-996-1784. All others attending can drive or car-pool to share gas expenses. This trip is suitable for all types of cars.

Activity: Moderate physical ability is required to collect the mineral specimens of Actinolite, Blue Schist and Dolomite. There will be toilet facilities at Lost Lake (pit toilet) and at our stop at the Grizzly Café in Wrightwood.

Bring: Water, lunch, camera, layered warm clothing, hat, sunblock and a collecting bag or bucket. Sandwiches may also be purchased at the Grizzly Café.

RSVP: Let your field trip leader know that you are coming and give us a cell or home phone number to call - in case there is a schedule change!!

Schedule:

7:30am Meet in the parking lot of Lowes Hardware next to the McDonald's in San Dimas. Opportunity to get food or beverages from McDonald's.

8:00 am Depart for San Andreas Fault sites along Old Route 66 in the Cajon Pass.

9:00 am Visit Lost Lake, a seismic fault sag pond.

10:00 am Collecting Blue Schist and Dolomite in areas east of Wrightwood.

11:30 am Stop at Grizzly Café 1455 State Highway 2 in Wrightwood. Restroom and to-go sandwiches available.

12:00 pm Arrive at Highway 2 Actinolite collecting area for lunch and collecting.

1:30 pm Drive to additional collecting areas in Wrightwood and along Lone Pine Canyon Road.

4:00pm Back at meeting place in San Dimas.

Actinolite is commonly found in metamorphic rocks, such as contact aureoles surrounding cooled intrusive igneous rocks. It also occurs as a product of metamorphism of magnesium-rich limestones. Fibrous actinolite is one of the six recognized types of asbestos, the fibers being so small that they can enter the lungs and damage the alveoli. It can be shaped, cut and polished with a diamond wheel using a water coolant and a mask. If nothing else, it makes for a showy yard rock! Dolomite is a metamorphic marble that is ideal for lapidary and carving.

Wrightwood Mudflow

via internet

Our field trip takes a shortcut along the San Andreas Fault in Lone Pine Canyon to the town of Wrightwood. The town is built on top of the San Andreas Fault!

The town's other natural hazard is the *Wrightwood mudflow*. There is a slope south of the town heading at an elevation of more than 8,000 feet composed of deeply weathered and crushed Pelona Schist. As seen below, the slope is so steep that trees and shrubs can't gain a root hold, and failures are constant, especially during the spring snowmelt and during heavy rainstorms.



The Pelona schist formed in the accretionary wedge of the subduction zone that lay off the California coast during the Mesozoic Era, and as such may be similar to the Franciscan Complex farther to the north. It is an attractive muscovite mica quartz albite schist in hand samples, but it doesn't do well on steep slopes



There are several channels designed to send the flows through town without causing further damage.

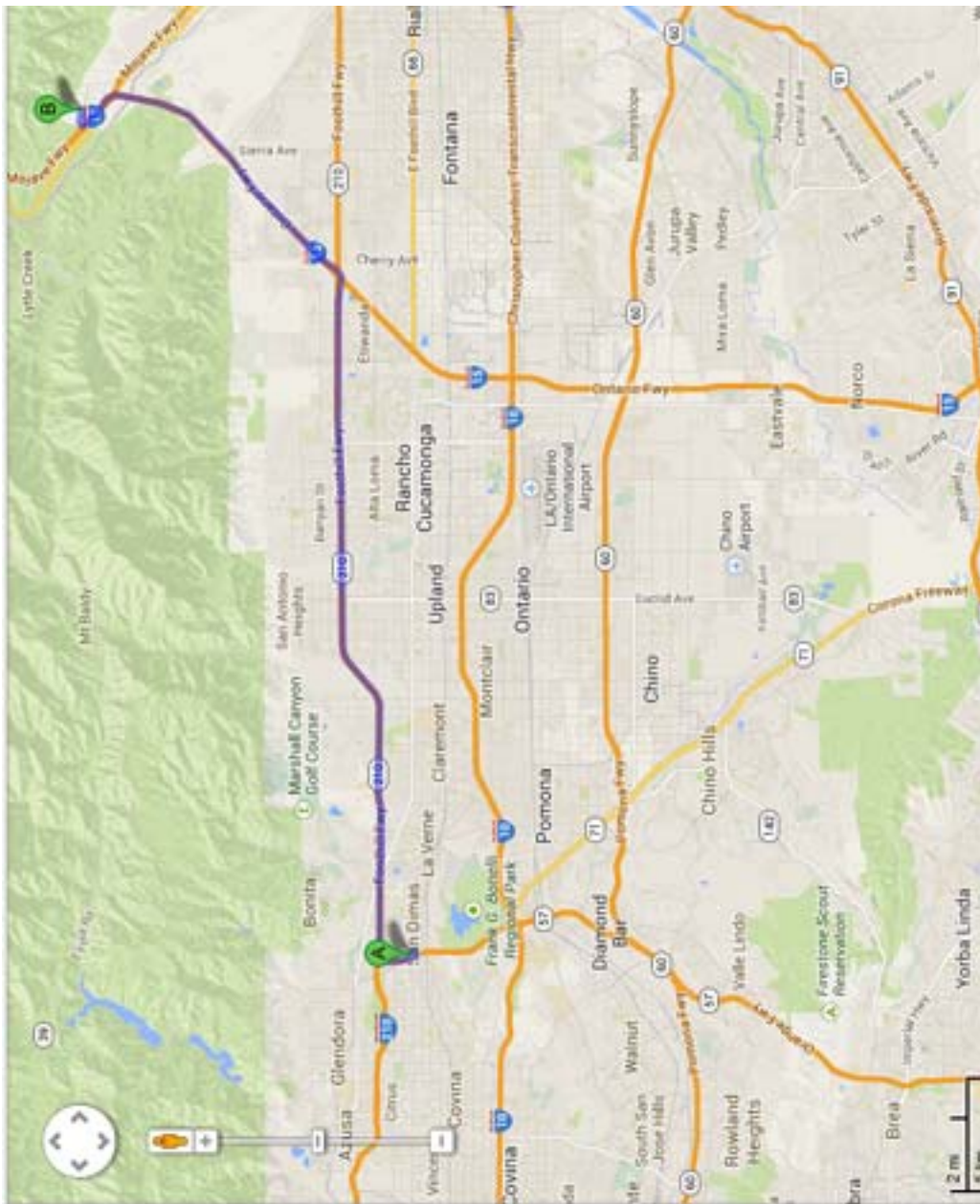
On May of 1941, just over a million cubic yards of mud and boulders flowed down Heath Canyon and into the town of Wrightwood, damaging and burying a number of structures. No deaths or injuries were reported. The cause was the rapid melting and runoff of the heavy snow pack during a period of unseasonably warm temperatures. Surges of mud continued for a week. Other damaging mudflows occurred in 1969 and 2004.

The mud passed beyond Wrightwood and continued 15 miles down to the adjacent Mojave Desert. The mud flow traveled a vertical mile from 8,000 feet to 3,000 feet.



Wrightwood mudflow has been active for at least five centuries, and the slide is clearly visible from Google earth.

If you walk through some of the designed channels in Wrightwood, you can find blue schist, actinolite (green), and large chunks of milky quartz.



Get directions My places

Driving directions to Kenwood Ave, San Bernardino, CA 92407

A McDonald's
114 Village Ct
San Dimas, CA 91773

1. Head south on Village Ct toward W Arrow Hwy
2. Turn left onto W Arrow Hwy
3. Turn right to merge onto CA-57 N
4. Keep right at the fork, follow signs for CA-210 E/San Bernardino/Foothill Fwy and merge onto CA-210 E/Foothill Fwy
5. Take the exit toward Barstow
6. Merge onto I-15 N
7. Take the Kenwood Ave exit
8. Turn right onto Kenwood Ave

B Kenwood Ave
San Bernardino, CA 92407

Save to My Maps

California Visitors Guide