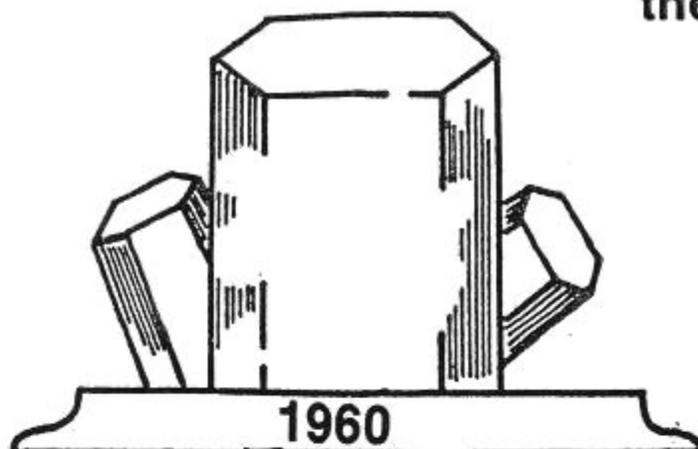


the

ROLLIN' ROCK



ROSEVILLE ROCK ROLLERS, INC.

MEMBER, CALIFORNIA FEDERATION OF MINERALOGICAL SOCIETIES
THE AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES

VOL 41 NO. 3

MARCH, 2000

EDUCATIONAL MEETING

2ND TUESDAY OF EACH MONTH, 7:30 PM

JUNIOR MEETING

NONE UNTIL FURTHER NOTICE

EXECUTIVE BOARD MEETING

4TH TUESDAY OF EACH MONTH, 7:30 PM

LOCATION: MAIDU COMMUNITY CENTER, MTG. RM 1, 1550 MAIDU DR. RSVL.
EXCEPTIONS; JULY PICNIC/BAR-B-Q, AUGUST ICE CREAM SOCIAL

Changes and locations will be published in the bulletin.

GUESTS AND VISITORS ALWAYS WELCOME

THE ROLLIN' ROCK

Inez Berg, Editor

PO Box 537

Wheatland, CA 95692-0537

PLEASE SEND EXCHANGE

BULLETINS TO THE EDITOR

MARCH, 2000

MADAM PREZ SEZ:

Here it is March already with the month of February gone with the speed of light. The weather has not been kind to our field trip leader as our trips have had to be cancelled due to so much rain. I would like our members to think about starting our meeting at 7:00 PM as we have to be out of our meeting room by 9:00 PM. This would give us a little more time for programs and a break to visit with our guests and to have a chance to ask questions. I am sorry to say, that if your dues are not paid up this month, you will not receive any more bulletins. Iris

VICE-PRESIDENT VIEW POINT:

Last month's educational meeting included a very informative discussion by Dave Lindsay on types of opal, where they are found and how to carve opals. He discussed working with fire and black opals from Australia and Mexico and how to eliminate the cloud effect to achieve the true color or "fire" of the stone. Dave also spoke about making triplets, doublets and mosaics. Don't forget the Roseville Rock Roller's 38th Annual Gem and Mineral Show on March 25th and 26th at the Placer County Fairgrounds! We need members to help set up on Friday 3-24-00 and to work the show. Please call Terry Rutherford at 916-987-1244 or attend on 3-24-00 to find out where your help is most needed. Thanks! Karla Shannon 624-7000

MARCH PROGRAM:

This month's Educational Program will be held on March 14, 2000. Max Stockinger will speak to us about carving alabaster and soapstone. Max is currently field trip chairman of Sacramento Mineral Society.

MARCH REFRESHMENT:

To be furnished by Kymberly Andrews, Betty Soper and Florence/Hugh Brady. Be sure to sign up for the year 2000 refreshments for each month. We need a new Refreshment Chairperson. Charle and Barbara Brown will store the coffee pots and supplies and return them for the March meeting.

MARCH BIRTHSTONE:

The March birthstone is aquamarine. It is generally a transparent blue-green beryl, but can come in white, yellow and pink. The blue is most valuable, although green is sometimes heated to become blue. It is an aluminum beryllium silicate in hexagonal prisms and is the chief source of beryllium. It is found in Brazil, Siberia, Myanmar and parts of the US. As late as 1947, only Bloodstone was listed as the March birthstone and over the centuries it has alternated with Jasper as the March birthstone. Bloodstone is a dense chalcedony of deep green with red spots. Jasper is a sedimentary rock, mainly chalcedony and quartz. In California it is found in the Jurassic layer.

FEBRUARY EDUCATIONAL MEETING MINUTES, 2/8/2000:

The meeting was called to order at 7:30, followed by flag salute. We held a moment of silence for Frank Dunkijacobsnolten. Guests were introduced. The Secretary read the correspondence and three upcoming shows were announced. The Treasurer reported our bank balance. FEDERATION - Myron gave an update on our CFMS insurance and trailer insurance. Of \$4.50 dues to CFMS, \$3.00 per member goes to insurance, \$1.00 stays with CFMS and .50 goes to AFMS. FIELD TRIP - Bob had a sign up sheet for Pilot Hill, weather permitting and we may have a field trip to Sierra College in March. SHOW - Terry circulated sign-up sheets. Set up is March 24th, volunteers are needed. Hand out flyers and sell raffle tickets. A stand has been ordered for our huge thunderegg. Bob Oleachea reported he is waiting to hear from the FairGrounds about our skirting. SUNSHINE - Myron reported on Frank's passing this morning. LAPIDARY CLASS - We need students. The program was "Working with Opals" by David Lindsay. He discussed different types of opals and where they come from, the pitfalls of opal purchasing and how to work with specimens. OLD BUSINESS - Bob O. showed the sizes of vests and announced that there would be a survey as to how many of each size we should order. Meeting adjourned at 9:15.

FEBRUARY BOARD MEETING, 2/22/2000:

The meeting was called to order at 7:28 with 10 members present, 4 absent. The board approved John Armstrong as a life member, he joined in 1974. Karla announced speakers for March and April. Terry announced items needed for our annual show. See article elsewhere in bulletin. The secretary read a letter from a Davis resident asking about our club and lapidary classes. Roster is being checked and will be made available to the club. FIELD TRIP - To Sierra College, meet at 9:30 am, Science Building Parking lot, fee of \$2.00 per person for guided tour. BULLETIN-Bulletins will be discontinued to those people who have not paid their dues. SUNSHINE - Barbara Brown had to have ankle surgery. TREASURER - Bills were presented and approved for payment. Bob O. has files regarding our insurance and taxes. DIRECTOR - Frank Yoschak has a letter from Kymron BrillJon des CESARE, SRA, UCD Dept of Chemistry speculating about our geode. He believes there is a 75-85 % chance there is a cavity in the geode of approximately 82 cubic inches and that the geode formed from the outside in, most likely forming in consecutive layers like a banded agate. Meeting adjourned at 8:57 pm.

SHOW CHAIRMAN REPORT:

Volunteers are needed for set-up and for each booth each day. The Country Store needs clean saleable items, no clothing. Door prizes and hourly prizes are needed. The kitchen needs workers and two pies or two cakes. The Silent Auction needs rough and tumbled material, slabs and specimens. Items needed for Youth Activitie - see notice elsewhere in bulletin. Please take a handful of flyers and leave at your doctors, dentists, etc. The Fairgrounds will call regarding the skirting. The trailer needs resealing. Sign up sheets at the March meeting.

ROCK ROLLER'S PROFILE:

Frank Yoschak has been a member of the Roseville Rock Rollers for the past three years. His wife, Terry, is not yet a member but she has helped with publicity and other tasks for the Gem Show. Frank first became interested in rocks when on a vacation to the Oregon Coast in 1980. He stopped at Richardson Ranch and collected thundereggs and plume agate. On his return home, he befriended Eve Case, who introduced him to lapidary tools and equipment, and beautiful rocks such as Morgan Hill Jasper. Frank has been hooked ever since! Thereafter, family vacations with children, Greg and Vickie (now grown), frequently were cramping trips to collect Montana agate and other interesting materials!

In 1997, Frank and Terry moved to Rocklin from Sunnyvale, California, when Terry was offered a job transfer. Frank had recently retired from Syntex, where he was a production supervisor. In his new free time, Frank read an article in the Sacramento Bee about the Roseville Rock Rollers and Myron Zents, a founding member. At the same time he met club member John Zieminski, and learned more about the group. Now days Frank enjoys collecting beautiful rocks, making cabochons and other jewelry and participating in club activities.
By Karla Shannon.

Jade Cove

The area around Jade Cove was an active primitive Indian campground. In the late 1940s, the University of California had two research sites set up, one at Jade Cove and one at Willow Creek. The sites were simply grad students living in tents. The old Indian campsites at Jade Cove were marked by piles of ashes, shells, and cooking stones. These piles are called middens. Some of the middens were up to eight feet high and up to twenty feet in diameter. At the time, the sites had already been dated to over 10,000 years old, which made them some of the oldest verified sites in the western hemisphere. Sadly, some of the rockhounds discovered there was jade in the middens, because the Indians used jade for cooking stones. Jade was perfect for cooking because it holds heat well. Cooking was simple. Just heat a fist-sized piece of jade and immerse it in a deerskin pouch for instant soup. Nothing remains of the middens.

From Breccia, January 2000
Santa Clara Gem and Mineral Society

TREASURER'S REPORT:

CFMS dues were paid, CO-OP dues were paid. If you wish an itemized account of club finances, please set up an appointment with Bob Oleachea (916) 723-2919.

DUES ARE PAST DUE!!!!!!**MARCH FIELD TRIP:**

RRR - The trip is set for Sierra College on March 18, 2000. Meet in the parking lot at 9:30, tour starts at 10:00 sharp. We will go to Building S (Science Building) with the copper roof. There is a \$2.00 charge for guided tour and speaker.

PROPOSED FIELD TRIPS (Unless we find somewhere better) -

April 15 - Pilot Hill for dendritic agate and common opal. Walk up to one mile on dirt road with very little climbing.
May 19,20,21 - To Fallon Nevada for Rhyolite and agate, mineralized limb casts, chalcedony agate loose and in seams. Could also go to Sheelite area for agate and jasper.
June 10 - To Stoneyford for jasper, red/green/yellow, some solid and some mixed colors. If you are lucky, there is also some good agate to be found in the area.
July 15,16 - Fernley Nevada for white agate, maybe to Lake Lahontan area for jasper and wood.
August 12 - To Forest Hill for magnesite.
September 16 - To Crystal Peak, Verdi, Nevada for quartz crystals.

CO-OP PROPOSED FIELD TRIPS

April 15 - Stifle Claim, sponsored by El Dorado Mineral & Gem Society, CO-OP invited. Meet 10:00 am, intersection of Meadowbrook Road and Bear Mt. Road off Hwy 193 (Georgetown). Approximately 35 miles from Sacramento, accessible to all vehicles, 1/4 mi from vehicle to digs. The material is grossular garnet, tremolite and nephrite jade. Bring hard rock tools and appropriate safety gear. The terrain is hilly at 3,000 ft. Contact - Barbara Terrell (530) 676-2472 for information.
Apr 22 - Coulterville/Soapstone Ridge. High clearance or 4WD recommended. MLMS, Will Corey (209) 383-5037.
May 5-6-7 - Snyder Pow Wow, Valley Springs. Dendritic agate (Fee) Details at site.
May 27-29 - Trinity/Spider Mine. California jade. Will Corey (209) 383-5037.
June 11-18 - McDermitt, Willow Creek, Wildhorse and Elko. Petrified wood, fossil leaves and other stuff. Fossils For Fun. Contact Vicki Van Why (530) 477-6825.
July 8-16 - Crowell Jct., Utah. Dugway geodes/topaz/snowflake obsidian/wood, septarian nodules, etc. Will Corey MLMS (209) 383-5037 (RRR field trip leader may go on this one).
Oct 9-15 in conjunction with AFMS show, Moab, Utah. Dinosaur tracks, gastroliths and other fossils, petroglyph sites. Contact Canyonlands Campground 1-800-5226848 for reservations. Debbie Bunn (916) 929-6665 as Fossils for Fun is sponsoring.
In all cases contact leaders for confirmation.

MARCH BIRTHDAYS

20 - Elmer Parsons
21 - James Nash
23 - Frank Rider
25 - Shirley Rutherford

LIBRARY

Nettie Moore brings books and videos to every meeting. Call her at (916)783-7230 if you would like her to bring anything special.

SUNSHINE

Our Sympathy to Linda Dunkijacobsnolten and her son Daniel on the passing of her husband and his father, Frank.

Betty Soper was able to make the February meeting. Her back has started to mend and she will not need surgery. Barbara Brown has fallen, will have had her ankle pinned by the time you read this. Will be in a cast for some weeks and on crutches after that. Heal fast Barbara.

LAPIDARY CLASSES

Classes start March 27 and run for 5 weeks until April 24. Fees are \$19 resident and \$23 nonresident. Bring an old hand towel and 50¢ a piece for rock slabs. Milt Houston is currently the instructor and Charlie Brown has agreed to take over in September. Currently Milt has John Ziemenski, Bob Oleachea, Charlie Brown and Tony Russo helping him.

BOARD MEETING

The MARCH Board Meeting will be held March 28, 2000, 7:30 pm at the Maidu Center.

Pumice.

PERLITE:

The unique, so called Popcorn Mineral is one of the most surprising actors in the entire mineral kingdom. Being a highly hydrated variety of lava, it expands with almost explosive force when brought quickly under high temperatures (1600 to 1700). It is found in a number of localities near Lovelock, Nevada and Grants, New Mexico. A carload of crushed perlite, when expanded, produces between 10 and 12 carloads of plaster-making aggregate and a cubic foot of the expanded pellets may weigh as little as two pounds. Perlite will expand up to 20 times its original volume. From Northwest Newsletter, Dec. , 99, via The Calgary Lapidary Journal, 11/99, Staurolite & Tumber, 3/92 and Rockhound Scoop 7/90.

CFMS/AFMS:

What are CFMS and AFMS and what do they mean to us? Roseville belongs to the California Federation of Mineralogical Societies. They provide our insurance, have programs and speakers available for our educational meetings, list upcoming shows, have bulletin editor help, a safety chairman, a web site, sponsor earth science studies, have field trip information, keep us updated on new federal laws that impact our hobby. They in turn along with the Rocky Mountain Federation, the Northwest Federation, the Midwest Federations, etc., etc. belong to the American Federation of Mineralogical Societies, PO Box 26523, Oklahoma City, OK 73126-0523. This is just a short list of their available aids.

CORRESPONDENCE

Jan. 11, 2000 - Happy New Year! Goodness how time does fly! Hard to believe it was 40 years ago I got to thinking Roseville needed a Gem & Mineral Society - and started kicking the idea around with Dell and Homer Pearson, Edna Shields and Virginia Ross. How much fun it was organizing the first meeting and how excited I was when the first two prospective members, Virgil and Ethel Lyons arrived. It's so rewarding to me to see how much "my" club has grown and how many great members there are now. And I'll always fondly remember those who are no longer there. Suppose they might be organizing a G&MS in the afterworld? I hope so! Both of us are well, thank the Good Lord for that! Bobs out scraping a foot plus of "winter" off our drive and those of a couple neighbors. We had no winter until the past few days. It's still pleasant out - 40° plus outside, 43° in the sunroom. Love to all.
Betty Swatsenbarg

HINT

If you have heard that nail polish remover removes SuperGlue, forget it. Get a tube of Krazy Glue Debonder. It really does the job. Keep a tube on hand.
From American River Currents, Jan 2000 via Amador Nugget, October, 1999.

What volcanic rock is light enough to float on water?

HISTORY CORNER

In 1982 our President was Bob Oleachea and Alma Freeman was Secretary. Some of the field trips that year were to Wilson Canyon, to Golden Gate Park in San Francisco to see the gem display and to Pulga, where Bill Usrey slipped and fell, breaking his leg. A question to the board was how to set up a shop with our own equipment. Notebooks were made up for the Library of officer's duties and reports, with copies to be passed on to new officers. A question of changing the club name was voted on. The By-Laws were revised. One education meeting program was of Suisseki Rocks with narrated slides. The Juniors filled the grab bags for the show that year. The show netted \$1515.19. The installation dinner was held at the Elk's Club in Roseville.

HOW IS ZIRCON COLORED?

Almost all Zircons since WWI have been colored in order to enhance their beauty. A whole industry has been built up in Bangkok, Thailand since then for the production of the golden-yellow Zircon, the "Starlite" blue Zircon and the colorless Zircon so closely resembling the diamond. The process involves heating the plain, ordinary reddish-brown stones to a temperature between 850 and 1,000 degrees Centigrade. In the presence of air it turns a golden-yellow. Without air, when heated, it becomes a beautiful blue.
From Rock Chips, Feb. 2000, from Golden Spike News, Dec. 1999, Jan. 2000.

GEMSTONES IN THE DESERT?

By Jim Strain

Gold! The cry of 'gold' was heard in Imperial County during the gold rush days, just as it was in Central and Northern California. Most of the communities that developed around gold mines, such as Ogilby and Tumco, no longer exist. Gold mining was stopped during World War II and really did not come back strong until the 1980s.

Due to advanced technology, gold has become an important resource again throughout the western United States. The largest mine in Imperial County is the Mesquite Mine operated by Goldfields Mining, one of the leading companies in world-wide gold production. The Mesquite Mine employs over 200 people and is producing over 500 ounces per day.

For hobby gold mining enthusiasts, an area known as the Pot Holes near Imperial Dam on the Colorado River has been set aside for their use. Exploration and mining with hand tools can be done without having to file a mining claim. (This area cannot be claimed, as it is withdrawn from mineral entry.) Dry washers can be used. Also, many people take along water and gold pans so they can pan the gold. Both methods produce results.

One of the most intriguing combinations of rocks and minerals found in the desert is the geode. Several geode beds are located in northeastern Imperial County and across the Riverside County line west of Palo Verde. Midway Well, the Potato Patch, the Hauser Beds, the Straw Beds, the Stevens Diggings, and other areas named after the original finders are known to geode collectors. While the areas have been explored for many years, geodes are still being recovered. Some digging is normally required as most of the surface material has been collected.

Opal Hill Mine west of Palo Verde is still producing good quality fire agate. An area east of Midway Well produced some fire opal in the 1940s. It was also found in a small volcanic hill west of Ocotillo when Interstate 8 was being constructed several years ago.

The areas south of Black Mountain have always been good locations to find petrified palm root and fiber, various moss agates and an assortment of jaspers. The Cargo Muchacho Mountains have yielded andalusite, garnet, kyanite, copper silicates of various types, and a variety of quartz family materials.

Rock and mineral collecting is permissible on federal public lands. There are some restrictions and regulations that must be considered. Petrified wood has a federal limit of 25 pounds per person per day, with a maximum annual total of 250 pounds. Other rocks and minerals may be limited based on the area where they are located. No power tools or explosives may be used by a hobby collector unless they are on a claim that has been properly recorded and permitted with the Bureau of Land Management and the county where the deposit is located. Materials collected from public lands can not be sold for profit if they are not from a properly recorded claim. Material and specimens may be donated to museums, schools, non-profit educational organizations, or organizations dedicated to public service.

There are strictly enforced regulations governing where an off-road vehicle can be driven. Many areas are restricted to existing and designated routes of travel. Rock collecting is prohibited in some of these areas. There is quite a bit of private land located throughout the desert areas.

All artifacts are protected by various laws, both state and federal. Any collection or disturbance of tools or arrow heads, pottery shards, ancient village sites, geoglyphs, petroglyphs, or other signs of ancient man is strictly prohibited. They cannot be collected or disturbed without a proper permit.

Via Ghost Sheet, Mother Lode Mineral Society
From Rock Talk, Pegmatite, Feb, 2000
via Drywasher's Gazette 1/2000

Needed:

Items for the Youth Activities Table

We have several activities for the children to participate in during our show. We need your help! Please bring your donations to the meeting on March 14th.

Suggested items are: tumbled rocks, for use as prizes on the spinning wheel and small/tiny tumbled rocks, crystals or beads for use in the sand which is sifted for "treasures".

Small rocks, small slabs and jewelry items could also be used as spinning wheel prizes. Please contact Florence Brady if you have any questions. Call (916) 961-6868 or e-mail fhbrady@jps.net.

Ode To An Opalholic

By Dolores Rose
From G.I. Nugget, 12/98
4th place, 1998 AFMS Poetry Contest

My husband is an opalholic,
It's a fact, 'tis sad, but true.
It sounds bad, but he's not sick,
He has LOTS, but thinks it's few!

He has Aussie stones of white,
Spencer, Boulder & Mexico.
His eyes glaze when greens blaze bright.
He grabs the jar and home they go!

They are stacked in jars and bottles,
He has them stashed in every drawer.
From booth to booth he never dawdles
To fulfill his lust for more!

If we spread opals out like carpet
We would have them wall to wall.
I'll put my money on a bet
That he could never cut them all.

From AFMS Newsletter, Feb. 2000

EARTH SCIENCE STUDIES AT SODA SPRINGS (Zzyzx)

The CFMS Earth Science Studies Seminar will be held April 9 to 16, 2000. This will be the fifteenth year.

If you have never heard of Earth Science Studies; it is a week long session of workshops, field trips, programs and social activities.

Workshops include bead stringing, soft stone carving, cabochon making, silver smithing, wire wrapping, and study of micro fossils.

There will be some field trips for sightseeing and some for collecting. Interesting programs fill each evening.

Facilities are rustic but adequate. You will bring your own bedding and personal needs. There is ample room for RVs - you may be more comfortable if you have one to bring.

Well balanced meals are provided and food and beverage is sent on field trips.

The fee for all of this - a week of instruction and good meals is only \$220 per person.

If you are interested in attending ask your Federation Director for a form to send in. (Attendance is limited so it is important to send your request early to assure a spot).

The committee
Izzie & Bill Burns
Ray & Florence Meisenheimer
Cal & Dee Clason

From CFMS Newsletter 1/00



Night of the Giant Ammonites

by Kirk R. Johnson

Art by Ray Troll

Natural History, Jul/Aug 1999, pg 14-17

Reviewed by Les Adler

Alberta Paleontological Society Bulletin, 9/99

via Paleo Newsletter, 11/99

Ray Troll has drawn the scene on a moonlit night near the present-day town of Kremmling, Colorado, 73 million years ago. Four mosasaurs attack swarms of invertebrates including Baculites, jellyfish, sixty-two Placentoceras meeki specimens and two Anaklinoceras gordiale specimens.

There is evidence of mass death of giant ammonites on a sagebrush slope about 21 kilometers north of Kremmling, northeast of Denver. Visitors to the site are not permitted to remove the fossils, which include crabs, lobsters, nautiloids, clams and snails. Rocks left from fossil digs are the empty halves of concretions that once enclosed fossilized ammonites. In the ancient seaway thousands of ammonites met their end and drifted to the bottom, where scavengers fed on the unexpected bounty. The site was close enough to the shoreline that mud from nearby river mouths sifted over the shells and rapidly buried them.

A chemical reaction precipitated calcium carbonate in the mud around the shells, forming the rock-hard concretions, while the surrounding mud was flattened into soft shale and the ammonites were fossilized.

A group from Denver led by paleontologist Emmett Evanoff prospected the area in August, 1998. They found many of the huge female ammonites and only a few of the small male ammonites. Kirk Johnson surmises that this was the site of a mass spawning and that after the males had fulfilled their role they left the scene; and like living squid, the females reproduced just once, producing planktonic embryonic ammonites and then perished *en masse*.

From Dinny's Doin's, Fossils for Fun, 2/2000



What is meant by 'third party'?

The insurance agreement is between two parties: the company and the insured. The insurance addresses bodily injury or property damage to a 'third party' for which the insured may be held legally responsible (liable). If someone, other than these two contractual parties, requests proof of insurance or to be added as an additional insured, we call the document evidencing this coverage a 'third party' certificate.

Accident Insurance:

Your organization does not currently have accident coverage. This coverage can provide some payment in the case of a member injury. The General Liability is not intended to act as an accident policy for members. Accident coverage, however, is available and highly recommended.

Non-owned and hired auto:

If a volunteer is using their own auto in the business of the club (such as going to the bank or transporting displays) and is involved in an at-fault accident, they are not only personally liable, but the club may also be held liable. This coverage is designed to protect the club in that event. The drivers are responsible for obtaining their own insurance. We recommend at least \$500,000 CSL (Combined Single Limits) or greater. The clubs should not allow an individual to drive on behalf of the organization unless it has been determined that the individual has at least minimum legal limits of coverage.

IN THE EVENT OF A CLAIM OR POTENTIAL CLAIM, IMMEDIATELY NOTIFY MCDANIEL INSURANCE SERVICES AND REFER TO YOUR CLUB BROCHURE FOR DUTIES IN THE EVENT OF A CLAIM.

Please note that the above information is for summary purposes only. The insurance policy is the legal document and supersedes any information herein.

Patt McDaniel, McDaniel Insurance Services. DOI Lic #0820481

Sent by Barbara Bania, excerpted from "Mines of El Dorado County," *Mountain Democrat*, 1/14/2000

BRIEF HISTORY OF TWO LATROBE AREA MINES

Three miles northeast of Latrobe was a soapstone mine called the Pacific Minerals (Swift) Mine. Until the late 1930's, the soapstone was mined underground by hand labor using augers and drills, accessed by a 220-foot crosscut adit and several hundred feet of drifts. After a cave-in in the central portion of the mine, it was converted into an open pit mine. During the early 1920's, the soapstone was shipped to San Francisco for use as a coating in prepared roofing. In 1924, part of the mine caved in and was shut down. In 1928, it was reopened and the material was sent to grinding mills in San Francisco where it was processed for use in insecticides. Another cave-in occurred in the late 1930's in the central portion of the mine. After that, the soapstone was mined from an open pit. By 1955, the pit was 175 ft. long, 35-70 ft. wide, and 75 feet deep at the face. There were also two other smaller pits at the north end of the deposit.

Another significant mine in the area was the Pfeiffer Mine, a chromite mine three miles east of Latrobe and west of Big Canyon Creek. 80 tons of ore were removed during WWI (1917). It was actively mined again in WWII, when chromium was a critical defense material. The deposits were developed by open cuts.

Besides gold, soapstone, and chromite, other minerals found on the western edge of El Dorado County included silver, various copper ores, and the lead ore sheelite.

SHOW DATES

MARCH 18-19; HAWTHORNE, CA
Northrop Grumman Gem & Mineral Club
12329 Crenshaw Blvd., Gate 16
Hours: Sat. 10-6; Sun 10-5
Jimmy Lapham (310) 530-4827

MARCH 18-19; VALLEJO, CA
Vallejo Gem & Mineral Society, Inc.
900 Fairgrounds Drive
Hours: 10-5 both days
Dolores (Laylie) Mack (707) 644-3035

MARCH 25-26; LA HABRA, CA
North Orange County Gem & Min. Soc.
La Habra Clubhouse
200 W Greenwood
Hours: 10am-5 pm both days
Don Ogden (909) 589-2456
E-mail donogden@aol.com

MARCH 25-26; SAN DIEGO, CA
San Diego Mineral & Gem Society
Spanish Village, & Balboa Park
Al Bahr Shrine
5440 Kearney Mesa Rd.
Hours: Sat. 10-6; Sun. 10-5
C. Everly, P.O. Box 208; Sun City, CA
92586

APRIL 1-2; ANGELS CAMP, CA
Calaveras Gem & Mineral Society
Calaveras County Fairgrounds
Hours: 10-5 both days
Earl Klein (510) 632-9373

APRIL 15-16; BORON, CA
The Mojave Mineralogical Society, Inc.
Boron High School Multi-purpose Room
Hours: Sat. 9-6; Sun. 9-4

Visit A Show -

American Federation & Regional Federation Shows

from Shirley Leeson, AFMS Show Consultant

SCFMS: May 5 D 7: Ft. Worth, TX
NFMS: June 23 D 25: Monroe, WA
CFMS: August 4 D 6: Riverside, CA
MFMGS: August 18 D 20: St. Louis, MO
EFMLS: September 15-17: Harrisburg, PA
(Annual meeting on the 15th Show on the 16th & 17th)

AFMS / RMFMS:

October 12 D 15: Moab, UT

From AFMS Newsletter, Vol 53, No 3

CFMS GOLD & GEM SHOW
August 4,5,6 2000
Riverside, CA

* JEWELRY * MINERALS * OPAL * CRYSTALS * FOSSILS *

* SILENT AUCTIONS * REPUTABLE DEALERS * GEM STONES * BOOKS *

* GOLD * SILVER * LAPIDARY EQUIPMENT * YOUTH ACTIVITIES * FOOD *

38th Annual

Gem and Mineral Show

Sponsored by

Roseville Rock Rollers Gem and Mineral Society

"NATURE'S WONDERS"

March 25th and 26th, 2000

Saturday 10am-6pm Sunday 10am-5pm
Placer County Fairgrounds
800 All American Blvd., Roseville, CA

FREE PARKING - FREE ADMISSION

COME VIEW AND BUY A CHANCE TO WIN
A 55 POUND OREGON THUNDEREGG!

Hourly Door Prizes - Both Days!
Grand Prize Raffle Drawing - Sunday at 3pm

AWARD WINNING GEM AND MINERAL DISPLAYS
*** PRESENTED BY LOCAL COLLECTORS ***

Gem & Jewelry Show

Hosted By:

Calaveras Gem & Mineral Society



Bargain Sales:

Gems • Minerals • Beads • Fossils • Jewelry & Supplies

See Artisans Making Jewelry:

Silver-work • Bead Stringing • Stone Carving
Gemstone Cutting • Copper Enamel Work
Lapidary Work • Gold Wire Work

Exhibits of Natures Wonders

Silent Auction • Snack Bar • Free Parking**
Admission is FREE

April 1-2, 2000

Saturday 10-5 • Sunday 10-5
Calaveras County Fair Grounds, Angels Camp