

PRESIDENT'S MESSAGE



NOC had a lovely Christmas Dinner and 10th Anniversary Party. Izzie's mixer game got us off to a good start. The food was plentiful and delicious. Jane Livezey did a very fine job on reviewing our past 10 years of activities. Joan Abramson installed officers with her special creative skill. Jim and Jean Bennett led us in singing Christmas Carols with Jim trying to play the piano in everyone's key. Lovely poinsettia plants decorated the tables and one lucky person at each table got to take one home. There were many toys and boxes of groceries for the needy of La Habra.

Now we are ready to start on our second 10 years. And then it will be 2002.

"Extend Knowledge of our Hobby" for this year. Izzie as education chairman has lots of workshops planned, and we hope to develop some programs for schools and service clubs to inform others about rock-hounding. Be sure you let Jane Livezey know about any activity you take part in for our All American book. Walt Messemer teaches cab making, for example. What are you doing? Let us know.

Hope to see you at our meeting in January.

NEW DAY! Tuesday, January 14, 7:30 p.m.

NEW LOCATION: 209 So. Orange, La Habra, (1 block east of Euclid) Sr. Center Assembly Room behind the Library.

Ginny Grafton, President

January Program information was not received in time to appear in the bulletin. We look forward to a wonderful surprise.

DATES OF COMING ATTRACTIONS

NOC CLUB ACTIVITIES

- | | |
|--|----------------------------------|
| Classes for the Youth Science Center Juniors
Wedgeworth Elementary School
16949 Wedgeworth, Hacienda Heights | Jan. 4
9:30 a.m. to
1 p.m. |
| Orange county G&M Council, Officers and
Chairmen Meeting, Orange County Fairgrounds
Costa Mesa (see pages 7 & 8) | Jan. 11
1 p.m. to
3 p.m. |
| Regular Meeting / Board Meeting | Jan. 14/Jan. 28 |
| Field Trip to Stoddard Wells (see page 4) | Jan. 17-19 |
| Class for La Habra Cultural Arts Council,
Scout Hut, Idaho & Lambert, La Habra (see page 7) | Jan. 25 |
| Quartzsite Field Trip | |
| Cloud's Jamboree, 1/15-2/15 | Tyson Wells, 1/31-2/9 |
| Four Corners, 1/16-2/9 | Pow Wow, 2/5-2/9 |
| Main Event, 1/18-2/2 | |

DATES OF COMING ATTRACTIONS (Continued)

SHOWS AND EVENTS

So. Calif. Micro Mineralogists, Redlands, San Bernardino Co. Museum, 2024 Orangetree Ln.	Jan. 13-Feb. 2
Victor Valley G&MC Annual Tailgate, Stoddard Wells Verde Antique area, Victorville	Jan. 17-19
Orange Coast M&LS, Plumbers Union Hall, 3904 W. First St., Santa Ana	Jan. 25,26
CFMS Petrified Wood Seminar, Bakersfield Walt Wright Instructor (see page 13)	Feb. 21,22
North Orange County Jubilee of Gems 200 W. Greenwood, La Habra	Mar. 28,29
CFMS Earth Science Studies, Soda Springs ZZYZX Rd., East Mojave Desert	May 5-10
AFMS/MWF Cleveland, Ohio	July 23-26
1992 "August Harvest of Gems" CFMS Show and Convention, Hayward	Aug. 21-23

NOC SHOW NEWS

Three months till Show Time --- March 28-29, 1992

Get your tickets and flyers at our January meeting if you don't already have them.

Clarence Pool is donating 100 lbs. of tumbled stones for the children.

The Abramsons and Graftons went to Hackberry Wash to get small geodes for the spinning wheel.

Our small saw is getting new ball bearings.

The banner will have the new date painted on it.

Walt Messemer is in charge of demonstrations. If you want to demonstrate something, clear through him as space is limited.

Collect things for the Country Store. Angie Harwood is in charge. Donate something for donation award prizes or give \$5.00 for us to buy prizes at Quartzsite.

There will be a sign-up sheet for those who want to put in a case.

We will need lots of help Friday 10:30 a.m. March 27 to load a truck at our storage building and unload at Women's Club House. Please make arrangements now to help. We need everyone's help to set up starting Friday at noon.

New members please note: We bring our rigs and park around the clubhouse Friday and Saturday nights as security.

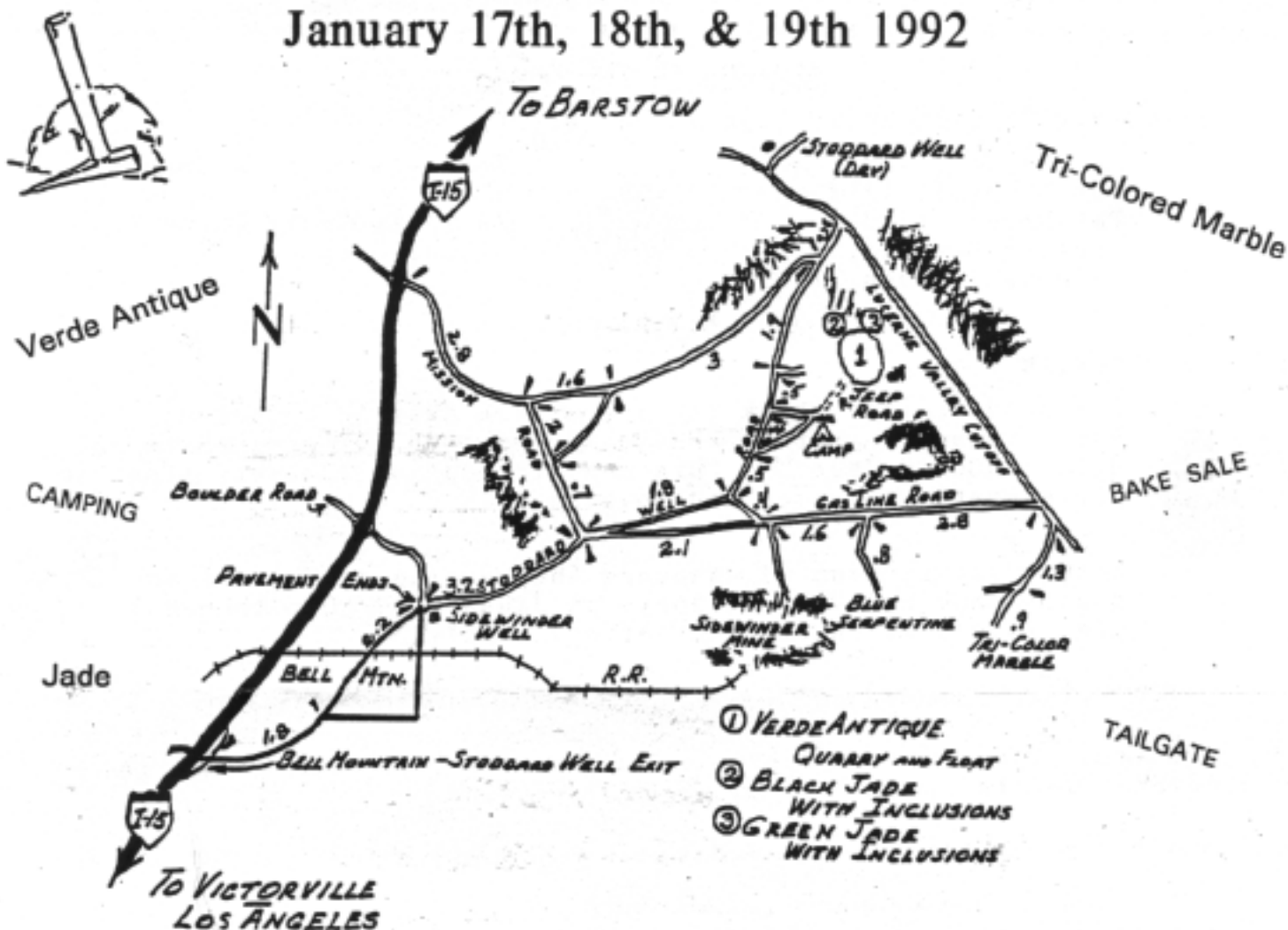
Ginny Grafton, Show Chairman



Victor Valley Gem and Mineral Club

16th Annual Tailgate at Stoddard Well

January 17th, 18th, & 19th 1992



Verde Antique - Tri-Colored Marble - Jade

WHAT IS A TAILGATE? It all began about 16 years ago when the Victor Valley Gem and Mineral Club began hosting a free field trip and sale at Stoddard Wells collecting area. The Tailgate is open to all clubs and rockhounds. Everyone is allowed to sell or buy just about anything. Most items for sale are related to gems, minerals findings, and other related things, but you never know what you will see. The area is also noted for its abundance of rocks for collecting.

CAMPING: This is a dry camp area, so bring in your own water and other necessities. Supplies are available at the Bell Mountain service road. Roads are desert dirt and can handle motorhomes with no problem.

GEM AND MINERAL COLLECTING: Verde Antique, Green & Black Jade collecting areas are within walking distance from the Tailgate. The Verde Antique is in float and in a quarry. Jade with magnetite inclusions can be found in seams. Digging tool are need for the better materials. A Field Trip on Saturday will take collectors to the nearby Sidewinder Mountains to find Tri-colored Marble which ranges from greys to dark green. A four wheel drive is advised for this trip.

BAKE SALE: There will be a Pie Booth with many delicious baked goods available throughout the Tailgate. This will be hosted by the Victor Valley Gem and Mineral Club.

REFRESHMENTS



Refreshments will be served at our Regular Meeting by Bill and Adele Huber and Virginia Page.



Adele Huber,
Refreshments Chairman

MEMBERS IN THE NEWS

HAPPY BIRTHDAY to those born in January.

- Lee Hughes, 1/5
- Don Livezey, 1/17
- Pat Maggs, 1/23
- Shelley Beattie, 1/26
- Jane Hendrixson, 1/27



Your gemstone is Garnet.
Your flower is Carnation or Snowdrop.

IN MEMORIAM



Our good friend, Chuck Turner, passed away in December. He was a valued member of the CLAMS gem club for many years and joined NOC in June '89. His many friends will dearly miss him. Our sympathy to Joyce and loved ones.

With great sadness we announce the passing of Tom Anthony, son of Jane and Dave Anthony, on January 3. Our thoughts and prayers go out to the Anthony family.



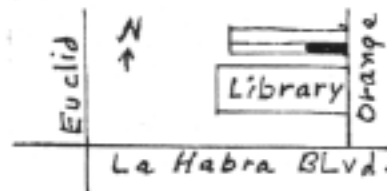
GET WELL wishes are conveyed to Don Warthen. We hope he has recovered and is 'rarin' to go again.

CLUB NEWS

NOC did not have a Regular Meeting or a Board Meeting in December.

North Orange County Gem & Mineral Soc. has a new Regular Meeting location. We will meet in the Senior Center Assembly Room located behind the Library. We can park on So. Orange or the Library parking area. The address is:

209 So. Orange
La Habra, CA



**REMEMBER: All Membership Dues
Are Due Now!!!**

EDUCATION FOR NOCers

Mohs Hardness Scale

1 talc	6 orthoclase feldspar
2 gypsum	7 quartz
3 calcite	8 topaz
4 fluorite	9 corundum
5 apatite	10 diamond

On display in January we will have diamonds the hardest and most precious of all minerals. I offered to help Ginny this year by doing the education displays. So I had to think of a theme for us to use that would help us learn more about minerals. The Hardness of rocks and minerals is very important to all phases of our hobby. It helps the mineral collector identify minerals, it helps the lapidarist know if it will take a good polish or not, the carver to know if he should use soft stone or hard stone tools. So each month you will be ask to share rocks and minerals of a certain hardness. Starting with diamond the hardest of all minerals will be our January display.

A German Mineralogist, Frederick Mohs, in the late 1700s selected ten minerals, that were fairly common, to identify the hardness of minerals. Each mineral in the mohs scale can scratch any other mineral of the same hardness and any mineral lower on the scale. He did not select minerals of any relation to the hardness of the next mineral. For instance diamond of hardness 10 is about four times as hard as corundum (hardness of 9), but corundum is less than twice as hard as topaz an 8 on the hardness scale. Several other hardness scales have been tried and some have even become well known, but the Mohs Scale is the most common one used.

Hardness kits are available at many rock shops and shows. To test a rock for hardness, just take the mineral from the hardness kit that you think is nearest to the hardness of your rock and on the back of your rock where it will not distort your rock, scratch across it. If you hear a crunch sound and see a streak that can not be rubbed off then, you have a rock less hard than the mineral of the scale that you are using. Try the next hardness down until you find one that will not scratch it. Then your rock is the hardness of the last mineral that would scratch it. You may want to try the scratch test in different directions as fibrous material will be different in different directions.

Many books and articles have been written about diamonds, movies have been made about diamond mining, songs have been written about diamonds, and programs are given about them. Now at our next meeting let's see what members of NOC have to share about diamonds.

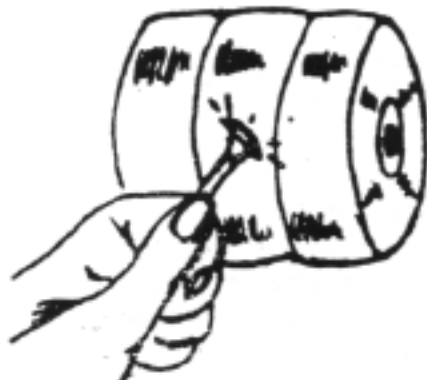


Izzie Burns
Education Chairman

CLASS FOR LA HABRA CULTURAL ARTS COUNCIL

AMATEUR GEMSTONE CUTTING

The following is an ad from the Spring La Habra Cultural Arts Council recreation program:



"Time: 9:00 to 3:00, Sat., 1/25
Location: Scout Hut, Idaho & Lambert, La Habra, CA
This basic one day class will cover the basic steps of cabochon making. Saws and grinding and polishing wheels will be available for you to learn to use. For the small fee of \$5.00 (payable at the class) you will be supplied slabs of rocks for making your cabochon and a mounting for making it into an article of jewelry. This class will be taught by members of the North Orange County Gem and Mineral Society. Bring a sack lunch and drink. Fee is \$12.00 for one workshop for 15 yrs. to adults."

Registration available at: La Habra Cultural Arts Council
145 E. La Habra Blvd., P.O. Box 3843
La Habra, CA 90631

Instructors come help us make this a worthwhile day for the people who are interested in learning about the lapidary phase of our hobby.

Izzie

ORANGE COUNTY GEM AND MINERAL COUNCIL

The following is a letter from the Council President - dated 12/10/91

"Dear Club President:

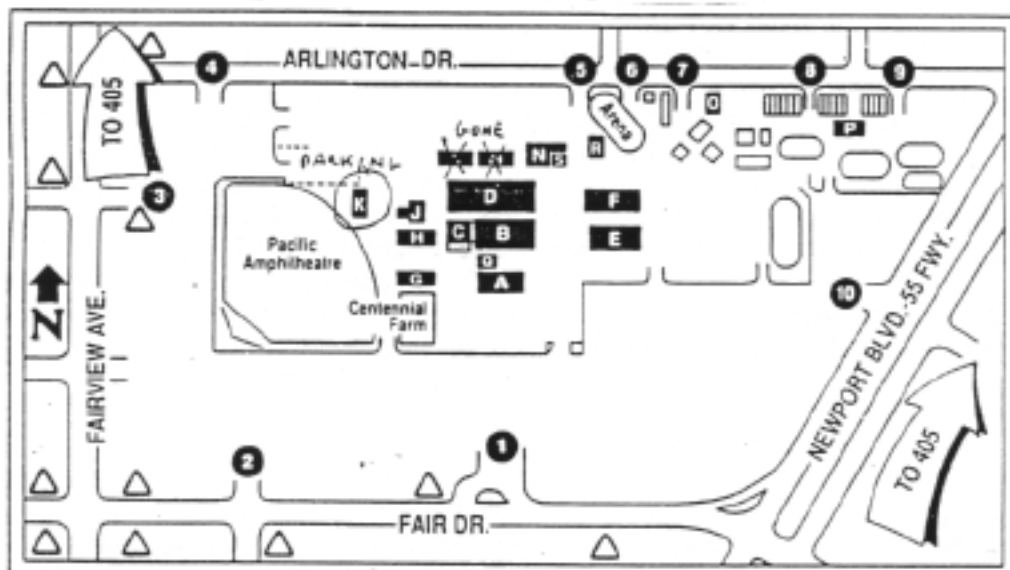
As 1992 fast approaches I want to urge your club to strongly support our Council as we strive to get more new members for each club and give all club members more opportunities to participate in activities in addition to those your club offers. To facilitate these goals the next Council meeting is Saturday, January 11, from 1-3 p.m. in Memorial Gardens at O.C. Fair (see map on page 8). I want as many as possible of your club's 1991 and 1992 officers to attend. After a brief general meeting I want to group individuals of the same office for some mutual sharing of ideas. This will be helpful for incoming officers to learn from outgoing officers and will provide opportunities for planning joint field trips, meetings, fund raisers, etc.

I also urge you to select a strong club rep. to the O.C. Council as they are the main communicator between the 2 groups. They will need to attend 4 meetings (starting Jan. 11) and mail in 4 quarterly reports on club activities during '92. Not a tough job but a very important one!

Please let me know by Jan. 8 how many of your club will be attending so I can arrange some refreshments - 714/786-5981. Thanks for your help in expanding our hobby!

Todd Schowalter (Council Pres.)"

Orange County Fair & Exposition Center



△ Bus Stops

BUILDINGS

- A Administration
- B Flower & Garden Bldg. #9
- C Wine Pavilion
- D Commerce Bldg. #10
- E Orange County Bldg. #14
- F Home Arts & Crafts Bldg. #16
- G Centennial Hall Bldg. #15
- H 4-H Bldg. #13
- J Gems & Minerals
- K Memorial gardens

GATES

- 1 Fair Drive Gate #1 - Main Entrance
- 2 Vanguard Gate #2
- 3 Merrimac Gate #3
- 4 Arlington Gate #4
- 5 Service Entrance Gate #5
- 6 Gate #6

ENTER →

GARNET - IN THE MINERAL KINGDOM, GARNET IS ESPECIALLY ABUNDANT IN METAMORPHIC ROCKS BUT IS ALSO COMMON IN IGNEOUS ROCKS. IN THE FORMER IT TENDS TO GROW IN BEAUTIFUL SHARP LUSTROUS CRYSTALS MUCH PRIZED BY MINERAL COLLECTORS AS WELL AS CONNOISSEURS OF GEMSTONES, WHILE IN IGNEOUS ROCKS IT IS MOST APT TO FORM GEMMY GRAINS OF EXCEPTIONAL CLARITY AND COLOR WHICH, HOWEVER, LACK GOOD CRYSTAL FORM.

NORTH AMERICA IS BLESSED WITH AN ABUNDANCE OF GARNET IN ALL OF ITS COLORS AND FORMS.

GARNET HABITUALLY FORMS ROUNDED CRYSTALS RICH IN FACES, SOMETIMES LOOKING LIKE NATURAL JEWELS WHICH HAVE BEEN CUT AND POLISHED BY THE HAND OF MAN.

THE SIX GARNET SPECIES MAY BE DIVIDED INTO TWO SUB-GROUPS. WITHIN EACH THERE MAY BE CONSIDERABLE AS ONE OR TWO ELEMENTS ARE EXCHANGED IN VARYING PROPORTIONS:

ALMANDINE	IRON ALUMINUM SILICATE	GROSSULARITE	CALCIUM ALUMINUM SILICATE
PYROPE	MAGNESIUM ALUMINUM SILICATE	ANDRADITE	CALCIUM IRON SILICATE
SPESSARTITE	MANGANESE ALUMINUM SILICATE	UVAROVITE	CALCIUM CHROMIUM SILICATE

FIELD TRIP RECAP

GIVE THANKS FOR FIELD TRIPS

Rockounds enjoy just their own club, or their own Federation, not true; as was proved by the great time that was had by all who attended the Lake Havasu Thanksgiving Field Trip Blast. We arrived on Wednesday evening about dusk and two of our group were already there, The Graftons and Ginny's Cousin, Rosemary, and The Abramsons. We were greeted by Cliff Coan of the Santa Ana Club, as the Field trips were not planned to start until Friday, Cliff was helping them by being the greeter. But a huge pile of wood was waiting for us that was provided by the Havasu Group, but due to the wind being slightly cool after greetings and set up, everyone sort of curled up in their own rigs for the night.

The next morning as we were considering a trip to Havasu to see the London Bridge, it was announced that Dave Gordon was going to lead us to a red jasper area, so in no time the four wheel drives were loaded and we were on our way. Janet Deyden and Donna Matula of The Orange Coast Group were with us, Emil Deyden rode with Jerry and Ginny and Rus Hughes, with the Abramsons. The dig was just what every rockhound group hopes for, lots of material in float for the ladies to pick up, and some digging challenges for the men. I with the help of some of the women from the other clubs got over four hundred small pieces for the class to which we were giving a lecture. Bill and the guys got out their digging equipment and soon big boulders were being loaded into the vehicles. Thanks to the fact that Dave has a pry bar much larger than Bills that they call "Big Mama", and the cooperation of the men from Havasu, Santa Ana, Orange Coast, and NOC, everyone got plenty of jasper.

After returning to camp each group gathered in their own groups for the Thanksgiving rituals. The wind was even more vicious than the day before, but the hardy NOC Members had the traditional feast between the rigs. Lee Hughes warmed our souls and bodies with some nice hot buttered rum. Then a little nap time refreshed us before we assembled at the Grafton's rig for hot spiced cider and goodies.

The winds blew harder and colder, but the take off time for the trip was only slightly delayed from the Arizona Starting time. Now the group seemed to be in full spirit for the trip having been joined by Garth & Joan Nicolson of Santa Ana Club, Glenn & Ann Radke and Ed and Marie Lipinski of Orange Coast, Ken & Libby Kunon, Bob & Pat Orr of Lake Havasu, and two quests Chris Pendegast and Harley Kath of Santa Barbara. This time we went for purple agate and even tho the wind blew we were down in a canyon and everyone searched until we decided to head back for some lunch. Then we went on a hunt for psilomelane, basic oxide of barium and manganese. It seemed some one had closed the road but after viewing much of the country the spot was found and over the hill and down the vale we walked to a productive area, but one would have loved to spend a full day there hiking those hills but that biting cold wind only got worse. Bill has a lovely piece for you to see at the meeting.

Friday night feeling it would be much more delightful to dine in

...MORE

FIELD TRIP RECAP (Continued)

Havasu than fight the cold. some of us so ventured into the city. Others gathered around the campfire to enjoy the warm friendship on a cold evening.

Saturday morning again the wind was bitter and some were feeling it was useless to go out, but our great leader Dave said follow me and we went for petrified wood. After some time in a canyon people ventured over the area, we decided the cold was beating us. But Dave said come to my house and rockhound in my back yard. We did; what beautiful collection he has and he shared with us. He gave us a bucket of howlite for the club to use in our work with the kids and many beautiful pieces in fact of psilomelane that Bill will share.

Now we are invited back for Memorial Day weekend when they promise us much better weather and more of an opportunity to share rock hound tales, etc. The Lake Havasu Club were certainly great, especially Dave and Roberta Gordon and Bob and Pat Orr.

Izzie Burns

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An invitation to

THE AUGUST HARVEST OF GEMS

On behalf of the California Federation of Mineralogical Societies I want to invite you to attend the 53rd Annual C.F.M.S. Show and Convention at the Centennial Hall, Hayward, California, August 21, 22, and 23, 1992.

Our hosts, the Mineral and Gem Society of Castro Valley, have chosen "AUGUST HARVEST OF GEMS" for their theme. They have hosted other C.F.M.S. Shows and have always provided very fine exhibits, outstanding programs, demonstrations, and the very best dealers; so I assure you this will be a real harvest of gems. Vern Korsted, the show chairman, reports everything is progressing nicely; and he has been busy securing the very best facilities for camping, for the Awards Banquet, and for the CFMS Meeting.

Every member of every club in the Federation is invited to visit the show, to attend all CFMS meetings, to compete for the awards, and to enjoy a great time at the CFMS Show and Convention. You will see old friends, meet new friends, learn new ideas, and discover what is happening in our Federation.

Mark your calenders now for August 21, 22, and 23, 1992. Don't miss this great opportunity to see the very best exhibits of our hobby on display, hear the latest information from exceptional speakers, and have an opportunity to see and purchase the most modern equipment.



Isabella Burns
CFMS President

PETRIFIED WOOD SEMINAR
Feb. 21 & 22, 1992

Come to the Bakersfield College, 1801 Panorama Drive, Bakersfield, California, on Friday, February 21 from 7:00 pm to 9:00 pm and Saturday, February 22 from 9:00 am to 3:00 pm. and learn how to identify petrified wood. W. Walton Wright will be the instructor. Walt has been collecting and studying wood everywhere for a number of years and is California's best known petrified wood specialist.

Instructions will be given on how to identify wood and you will identify your own wood, as well as, study about plant communities in prehistoric times. Bring atleast 8 to 10 pieces of petrified wood, a 20 or 10 power lens, and if you have your own 15 to 30 power binocular microscope.

R.V. Camping is permitted on the college campus, but without hook-ups. There are many motels in Bakersfield at a nominal fee.

There is a fee of \$8.00 per person to pay the rent on the room and to pay for the printing of the supplies. There are fast food and other restaurants near the college facilities.

This seminar is planned and hosted by Edgar & Martie Isch of the Kern County Mineral Society, assisted by Isabella Burns. For additional information contact Edgar (805) 589-4954, Izzie (818) 288-2896, or Walt (714) 529-4134.

Registration Form

Name _____ Phone() _____

Address _____

City _____ State _____

Do you have your own microscope? _____

Will you plan to stay in your RV on the campus? _____

The fee for the seminar is \$8.00 per person.

_____ number X \$8.00 per person Total _____

Please make checks payable to CFMS.

Mail fees and registration form to Isabella Burns
1038 Bradshaw Ave.
Monterey Park, CA 91754